

Light Output Ratio:	8.2%	
Luminaire Power:	2.855 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

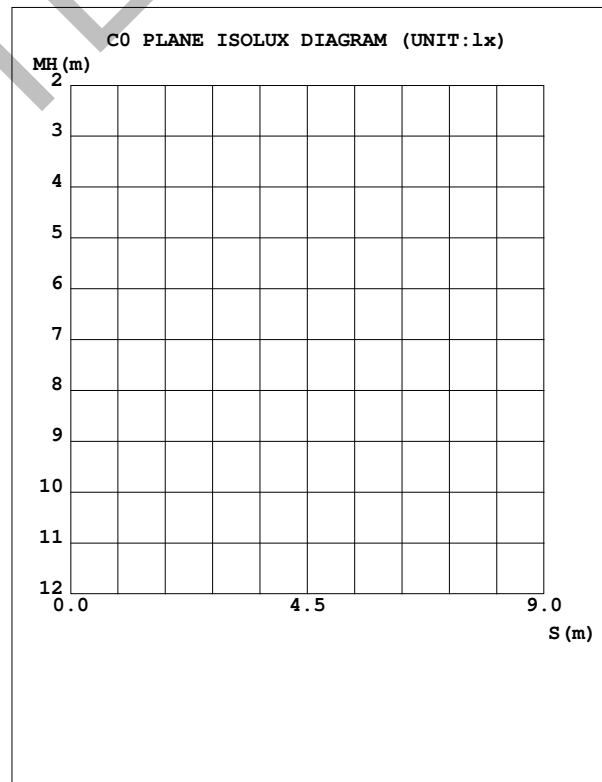
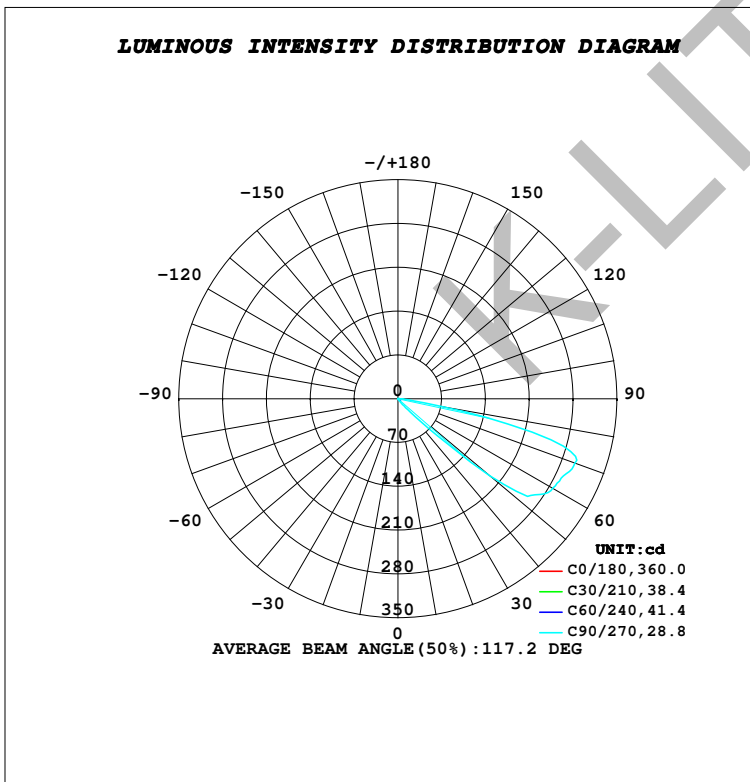
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 13.18 lm/W
MODEL	KL-2759	I _{max} (cd)	302.4	S/MH (C0/180)	0.00	
NOMINAL POWER (W)	3	LOR (%)	8.2	S/MH (C90/270)	0.00	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	37.623	η UP, DN (C0-180)	0.2, 8.0	
NOMINAL FLUX (lm)	457.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 0.0	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	230	η down (%)	8.0	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: K-LITE
 Test Date: 15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 1.852m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

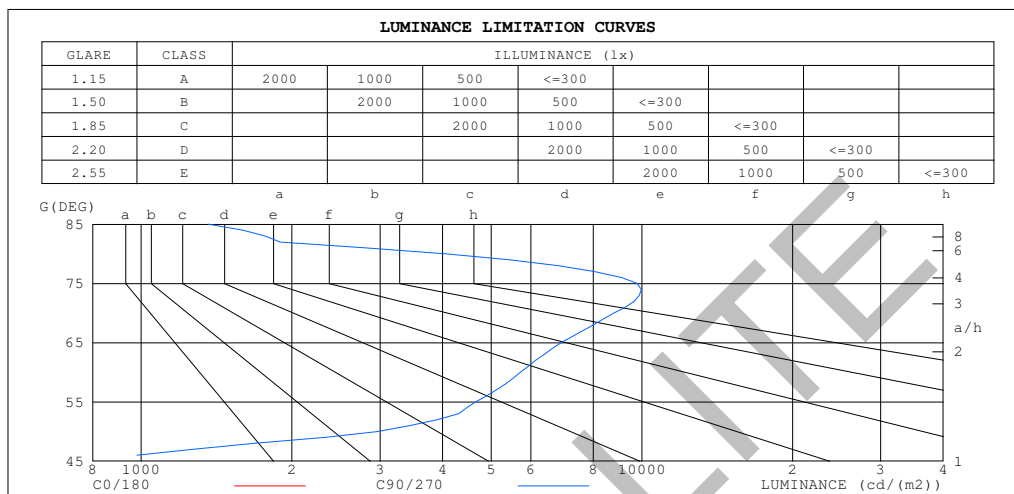
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	ϕ lum, lamp
10	0	0	0	0	0	0	0	0	0- 10	0	0	0.00, 0.00
20	0	0.0004	0.0061	0.0004	0	0	0	0	10- 20	0.0000	0.0000	0.00, 0.00
30	0	0.0743	0.7809	0.0703	0	0	0	0	20- 30	0.0201	0.0201	0.05, 0.00
40	0	0.4724	15.16	0.4209	0	0	0	0	30- 40	0.3601	0.3802	1.01, 0.08
50	0	0.8660	191.0	0.8013	0	0	0	0	40- 50	3.294	3.674	9.77, 0.80
60	0	1.074	286.1	1.084	0	0	0	0	50- 60	10.59	14.26	37.9, 3.12
70	0	1.091	300.8	1.223	0	0	0	0	60- 70	11.78	26.05	69.2, 5.7
80	0	0.8626	70.85	1.111	0	0	0.0178	0	70- 80	9.289	35.33	93.9, 7.73
90	0	0.4756	5.785	0.5104	0	0	0.0256	0	80- 90	1.434	36.77	97.7, 8.04
100	0	0.0869	0.0459	0.1107	0	0	0.0168	0	90-100	0.3925	37.16	98.8, 8.13
110	0	0.0086	1.405	0.0299	0	0	0.0162	0	100-110	0.0924	37.25	99, 8.15
120	0	0.0024	1.552	0.0004	0	0	0.0094	0.0006	110-120	0.1145	37.37	99.3, 8.17
130	0	0.1313	1.568	0.1144	0	0	0.0057	0.0001	120-130	0.1296	37.50	99.7, 8.2
140	0	0.0673	0.5373	0.0528	0	0	0.0023	0	130-140	0.0877	37.59	99.9, 8.22
150	0	0.0417	0.0073	0.0308	0	0	0	0.0002	140-150	0.0309	37.62	100, 8.23
160	0	0.0081	0.0671	0.0022	0	0	0	0	150-160	0.0055	37.62	100, 8.23
170	0	0.0027	0.0052	0.0000	0	0	0	0	160-170	0.0009	37.62	100, 8.23
180	0	0	0	0	0	0	0	0	170-180	0.0000	37.62	100, 8.23
DEG	LUMINOUS INTENSITY: cd								UNIT: lm			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: K-LITE
 Test Date: 15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 1.852m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	1363
80	0	4080
75	0	9783
70	0	8796
65	0	6907
60	0	5723
55	0	4662
50	0	2972
45	0	726

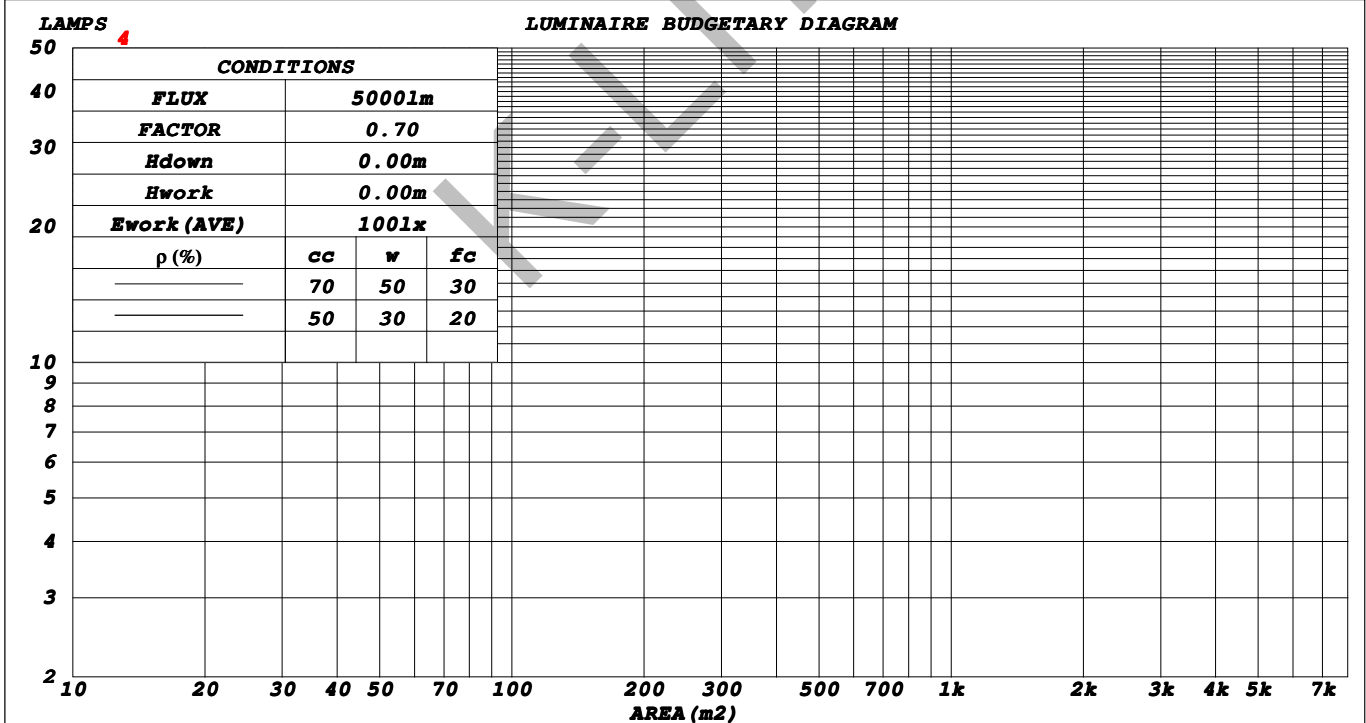
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 15 January 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _w	20%			20%			20%			20%			20%			0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization (CU)									
0.0	.10	.10	.10	.10	.10	.10	.09	.09	.09	.09	.09	.09	.08	.08	.08	.08
1.0	.08	.07	.07	.08	.07	.07	.07	.07	.06	.07	.06	.06	.06	.06	.06	.06
2.0	.06	.05	.04	.06	.05	.04	.06	.05	.04	.05	.05	.04	.05	.04	.04	.04
3.0	.05	.04	.03	.05	.04	.03	.04	.04	.03	.04	.03	.03	.04	.03	.03	.03
4.0	.04	.03	.02	.04	.03	.02	.04	.03	.02	.03	.03	.02	.03	.02	.02	.02
5.0	.03	.02	.02	.03	.02	.02	.03	.02	.01	.03	.02	.01	.03	.02	.01	.01
6.0	.03	.02	.01	.03	.02	.01	.03	.02	.01	.02	.02	.01	.02	.02	.01	.01
7.0	.02	.02	.01	.02	.01	.01	.02	.01	.01	.02	.01	.01	.02	.01	.01	.01
8.0	.02	.01	.01	.02	.01	.01	.02	.01	.01	.02	.01	.01	.02	.01	.01	.00
9.0	.02	.01	.01	.02	.01	.01	.02	.01	.01	.02	.01	.00	.02	.01	.00	.00
10.0	.02	.01	.00	.02	.01	.00	.02	.01	.00	.01	.01	.00	.01	.01	.00	.00



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: K-LITE
 Test Date: 15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 1.852m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.040	.023	.007	.040	.023	.007	.038	.022	.007	.037	.021	.007	.036	.021	.007	
2.0	.037	.020	.006	.036	.020	.006	.035	.019	.006	.034	.019	.006	.033	.019	.006	
3.0	.033	.017	.005	.032	.017	.005	.031	.017	.005	.030	.016	.005	.029	.016	.005	
4.0	.029	.015	.004	.028	.015	.004	.027	.015	.004	.027	.014	.004	.026	.014	.004	
5.0	.026	.013	.004	.025	.013	.004	.025	.013	.004	.024	.013	.004	.023	.012	.004	
6.0	.023	.012	.003	.023	.012	.003	.022	.011	.003	.021	.011	.003	.021	.011	.003	
7.0	.021	.010	.003	.021	.010	.003	.020	.010	.003	.019	.010	.003	.019	.010	.003	
8.0	.019	.009	.003	.019	.009	.003	.018	.009	.003	.018	.009	.003	.017	.009	.003	
9.0	.018	.009	.002	.017	.008	.002	.017	.008	.002	.016	.008	.002	.016	.008	.002	
10.0	.016	.008	.002	.016	.008	.002	.016	.008	.002	.015	.007	.002	.015	.007	.002	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.017	.017	.017	.015	.015	.015	.010	.010	.010	.006	.006	.006	.002	.002	.002	
1.0	.017	.014	.011	.015	.012	.010	.010	.008	.007	.006	.005	.004	.002	.002	.001	
2.0	.017	.012	.008	.015	.011	.007	.010	.007	.005	.006	.004	.003	.002	.001	.001	
3.0	.017	.011	.006	.015	.009	.005	.010	.007	.004	.006	.004	.002	.002	.001	.001	
4.0	.016	.010	.005	.014	.009	.004	.010	.006	.003	.006	.004	.002	.002	.001	.001	
5.0	.016	.009	.004	.014	.008	.004	.009	.006	.003	.005	.003	.002	.002	.001	.001	
6.0	.015	.009	.004	.013	.007	.003	.009	.005	.002	.005	.003	.001	.002	.001	.000	
7.0	.014	.008	.004	.012	.007	.003	.009	.005	.002	.005	.003	.001	.002	.001	.000	
8.0	.014	.008	.003	.012	.007	.003	.008	.005	.002	.005	.003	.001	.002	.001	.000	
9.0	.013	.007	.003	.011	.006	.003	.008	.004	.002	.005	.003	.001	.001	.001	.000	
10.0	.012	.007	.003	.011	.006	.003	.007	.004	.002	.004	.002	.001	.001	.001	.000	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	-15.5	-13.4	-15.1	-13.1	-12.8	26.9	29.0	27.2	29.3	29.6
	3H	-15.7	-13.8	-15.4	-13.5	-13.1	31.6	33.5	32.0	33.9	34.2
	4H	-15.9	-14.0	-15.5	-13.7	-13.3	33.9	35.7	34.3	36.1	36.4
	6H	-16.0	-14.2	-15.6	-13.9	-13.5	34.7	36.5	35.1	36.8	37.2
	8H	-16.1	-14.3	-15.6	-14.0	-13.6	34.7	36.4	35.1	36.8	37.2
	12H	-16.1	-14.5	-15.7	-14.1	-13.7	34.7	36.4	35.1	36.7	37.1
4H	2H	0.1	2.0	0.5	2.3	2.7	26.5	28.3	26.8	28.7	29.0
	3H	-0.1	1.6	0.3	2.0	2.4	31.2	32.9	31.6	33.2	33.6
	4H	-0.2	1.3	0.2	1.7	2.1	33.5	35.0	33.9	35.4	35.8
	6H	-0.3	1.1	0.1	1.5	1.9	34.4	35.8	34.8	36.2	36.6
	8H	-0.4	0.9	0.1	1.4	1.8	34.4	35.7	34.9	36.1	36.6
	12H	-0.4	0.8	0.1	1.2	1.7	34.4	35.6	34.9	36.1	36.5
8H	4H	4.6	5.9	5.0	6.3	6.8	33.3	34.6	33.8	35.1	35.5
	6H	4.5	5.6	5.0	6.1	6.6	34.2	35.3	34.7	35.8	36.3
	8H	4.5	5.5	5.0	6.0	6.5	34.3	35.3	34.8	35.8	36.3
	12H	4.5	5.3	5.0	5.8	6.4	34.3	35.2	34.9	35.7	36.2
12H	4H	6.0	7.2	6.5	7.6	8.1	33.3	34.5	33.8	34.9	35.4
	6H	6.1	7.0	6.6	7.5	8.0	34.2	35.2	34.7	35.7	36.2
	8H	6.1	6.9	6.6	7.4	7.9	34.3	35.1	34.8	35.6	36.2

Variations with the observer position at spacings:		
S = 1.0H	+ 1.2 / - 1.0	+ 2.3 / - 3.0
1.5H	+ 2.9 / - 0.9	+ 3.6 / - 6.3
2.0H	+ 3.9 / - 2.1	+ 4.8 / - 8.8

CIE Pub.117, 457.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

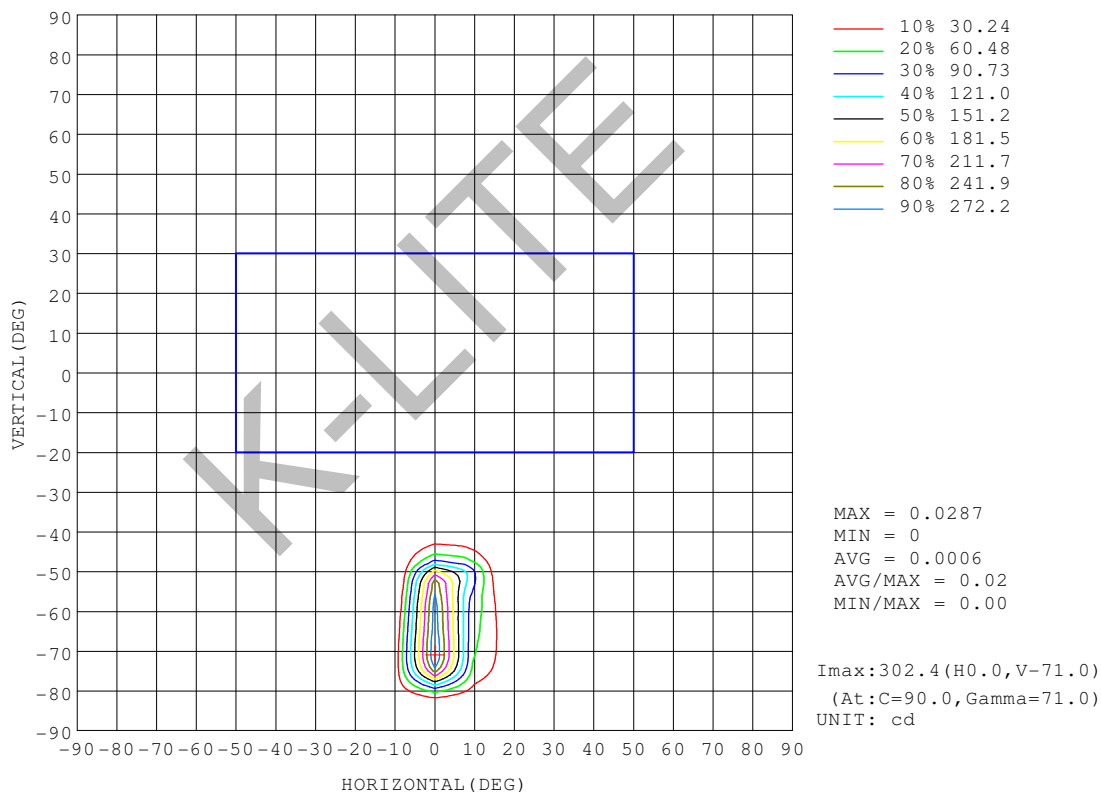
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	3	1	1	3	1	1	3	1	1	-0
0.80	3	2	1	3	2	1	3	2	1	0
1.00	4	3	2	4	3	2	4	3	2	1
1.25	5	4	3	5	3	3	4	3	3	2
1.50	5	4	3	5	4	3	5	4	3	2
2.00	6	5	4	6	5	4	6	5	4	3
2.50	7	6	5	7	6	5	6	5	5	4
3.00	7	6	6	7	6	6	7	6	5	4
4.00	8	7	7	8	7	6	7	7	6	5
5.00	8	8	7	8	7	7	8	7	7	6
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

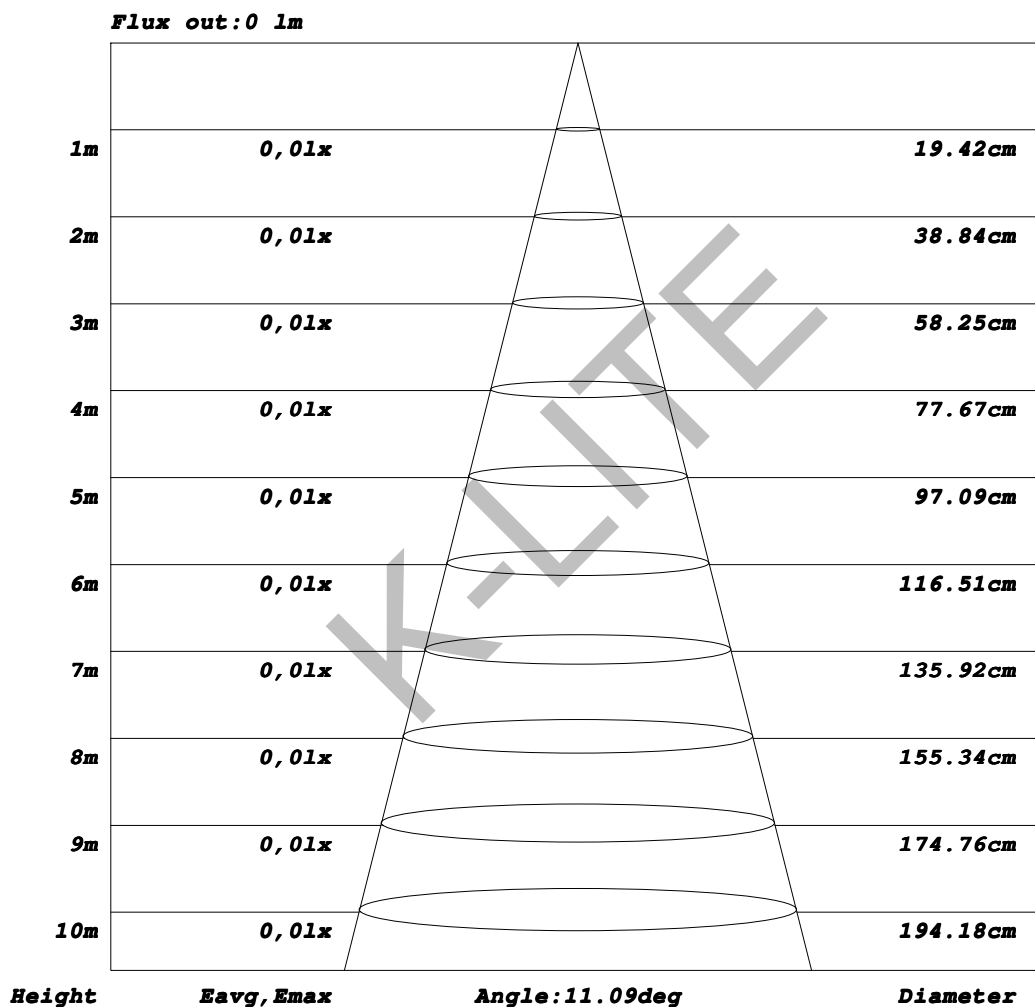


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:15 January 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.852m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:



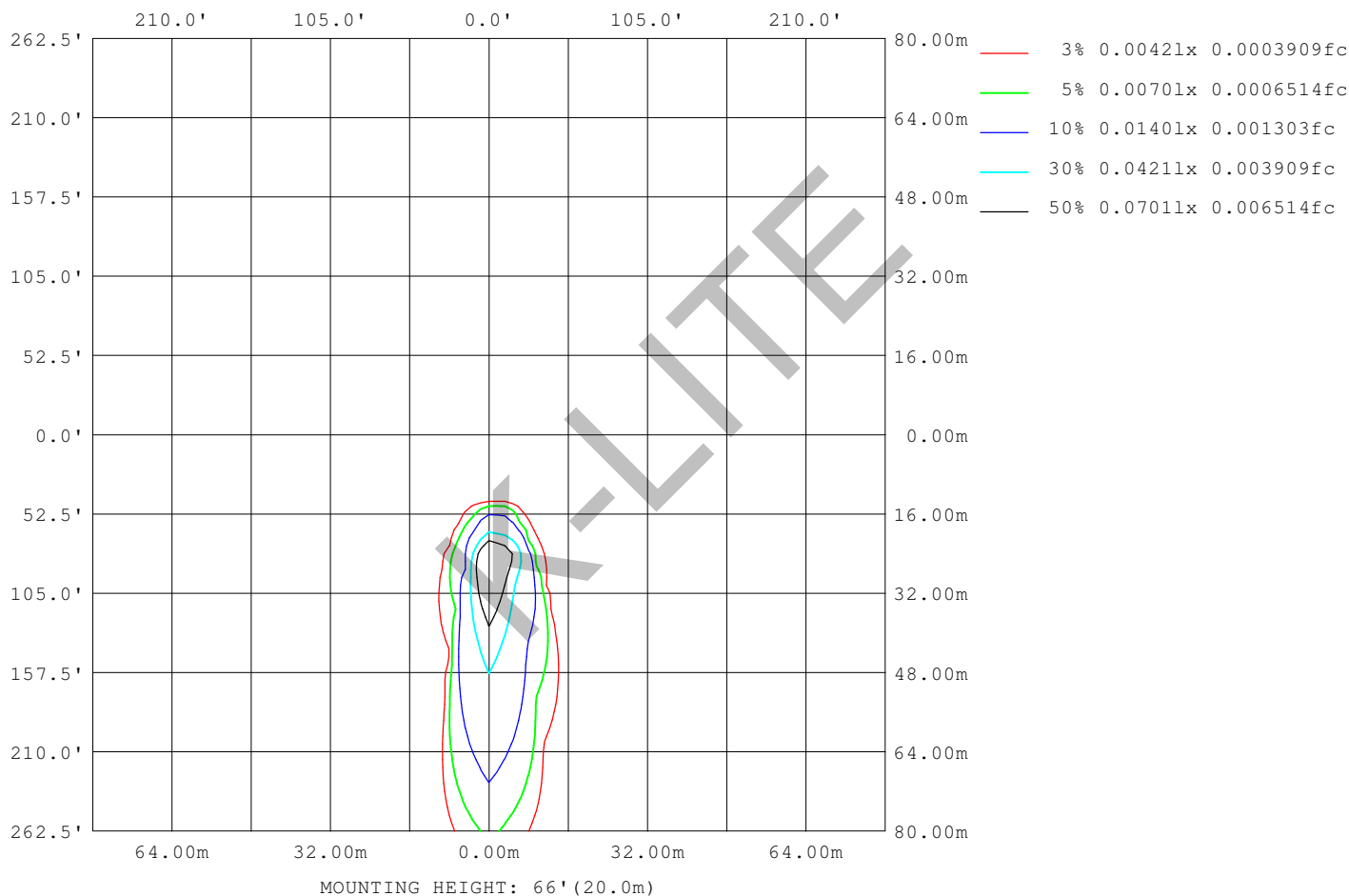
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: K-LITE
Test Date: 15 January 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 1.852m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

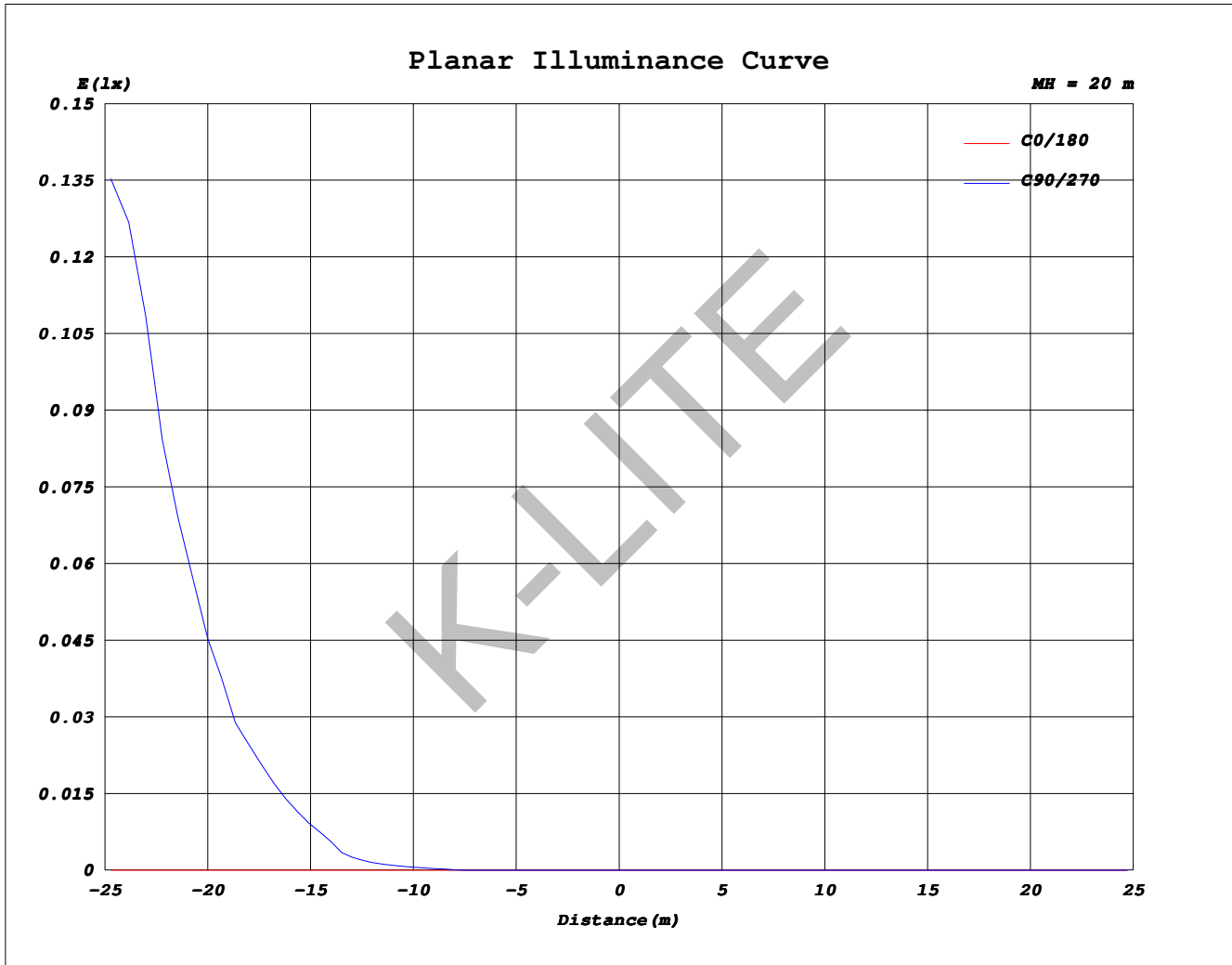
AvgL	cd/m2
L_0~180 (65) av	0
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	3454
L_90~270 (75) av	4892
L_90~270 (85) av	683
L_45 (65) av	12
L_45 (75) av	25
L_45 (85) av	33

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:15 January 2021

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.852m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: K-LITE
 Test Date: 15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 1.852m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.01	0.08	0.16	0.23	0.24	0.22	0.15	0.07	0.01	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.01	0.14	0.32	0.51	0.74	0.78	0.67	0.47	0.30	0.13	0.01	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.09	0.34	0.86	1.73	3.51	4.06	2.62	1.31	0.73	0.32	0.10	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.02	0.19	0.75	2.27	4.62	14.0	15.2	6.51	2.95	1.62	0.63	0.21	0.02	0.00	0.00	0.00
45	0.00	0.00	0.01	0.04	0.33	1.14	2.81	6.84	39.3	51.3	12.4	4.17	2.02	0.96	0.36	0.04	0.01	0.00	0.00
50	0.00	0.00	0.01	0.06	0.45	1.28	3.53	9.57	116	191	21.2	5.74	2.51	1.12	0.49	0.07	0.01	0.00	0.00
55	0.00	0.00	0.01	0.09	0.51	1.47	4.40	11.7	108	267	25.6	7.72	3.15	1.34	0.59	0.10	0.01	0.00	0.00
60	0.00	0.00	0.02	0.11	0.56	1.58	4.65	12.6	88.7	286	25.6	8.09	3.64	1.48	0.69	0.16	0.02	0.00	0.00
65	0.00	0.00	0.02	0.11	0.59	1.60	4.69	12.0	76.8	292	24.9	7.85	3.51	1.58	0.74	0.21	0.02	0.00	0.00
70	0.00	0.00	0.02	0.11	0.58	1.60	4.36	10.5	66.7	301	22.6	7.69	3.32	1.68	0.77	0.22	0.02	0.00	0.00
75	0.00	0.01	0.02	0.11	0.52	1.70	3.49	8.36	51.5	253	18.2	6.17	3.01	2.48	0.69	0.20	0.02	0.00	0.00
80	0.00	0.00	0.02	0.09	0.42	1.31	2.89	5.70	22.0	70.8	10.4	4.33	2.29	1.71	0.51	0.13	0.02	0.00	0.00
85	0.00	0.00	0.02	0.07	0.33	0.87	1.78	3.28	7.70	11.9	5.67	2.77	1.67	0.86	0.39	0.09	0.02	0.00	0.00
90	0.00	0.00	0.02	0.05	0.26	0.69	1.29	2.18	4.22	5.79	3.50	1.96	1.22	0.70	0.32	0.07	0.02	0.00	0.00
95	0.00	0.00	0.00	0.00	0.15	0.58	1.02	1.60	2.73	3.68	2.46	1.46	0.98	0.59	0.18	0.00	0.00	0.00	0.00
100	0.00	0.00	0.02	0.04	0.17	0.00	0.00	0.03	0.05	0.05	0.04	0.03	0.00	0.00	0.22	0.05	0.01	0.00	0.00
105	0.00	0.00	0.01	0.04	0.16	0.33	0.01	0.02	1.43	1.77	1.38	0.01	0.02	0.42	0.21	0.04	0.01	0.01	0.00
110	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.29	0.09	1.40	1.13	0.03	0.00	0.01	0.05	0.02	0.01	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.31	1.02	1.48	0.81	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.60	1.08	1.55	0.83	0.32	0.15	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.13	0.38	0.54	1.05	1.43	0.76	0.43	0.36	0.03	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.07	0.19	0.32	0.47	1.18	1.57	0.66	0.43	0.18	0.20	0.02	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.07	0.17	0.28	0.40	0.75	0.94	0.53	0.37	0.24	0.14	0.09	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.01	0.00	0.13	0.24	0.33	0.47	0.54	0.41	0.32	0.24	0.11	0.00	0.01	0.00	0.00	0.00
145	0.00	0.00	0.01	0.01	0.00	0.00	0.08	0.26	0.33	0.37	0.32	0.26	0.20	0.00	0.03	0.01	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.03	0.03	0.01	0.00	0.00	0.00
155	0.00	0.00	0.00	0.01	0.01	0.04	0.08	0.11	0.13	0.13	0.14	0.12	0.00	0.00	0.00	0.01	0.00	0.00	0.00
160	0.00	0.00	0.00	0.01	0.01	0.01	0.03	0.04	0.06	0.07	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.50V I:0.0129A P:2.8552W PF:0.9593 Freq:50.00Hz Lamp Flux:457.3x1 lm		
NAME: SUDO MINI - BEAM FRAME	TYPE:PATH FINDERS	WEIGHT:0.6Kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2501
MFR.: K-LITE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:K-LITE
 Test Date:15 January 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:1.852m [K=1.0000]
 Remarks: