K-LITE

Light Output Ratio:	25.3%	
Luminaire Power:	2.861 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:20 October 2020

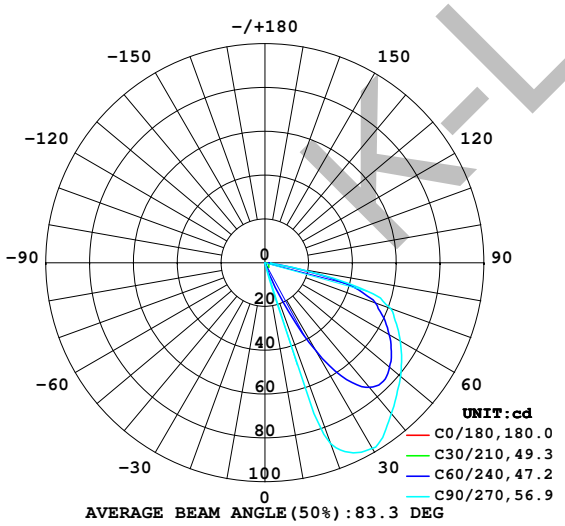
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

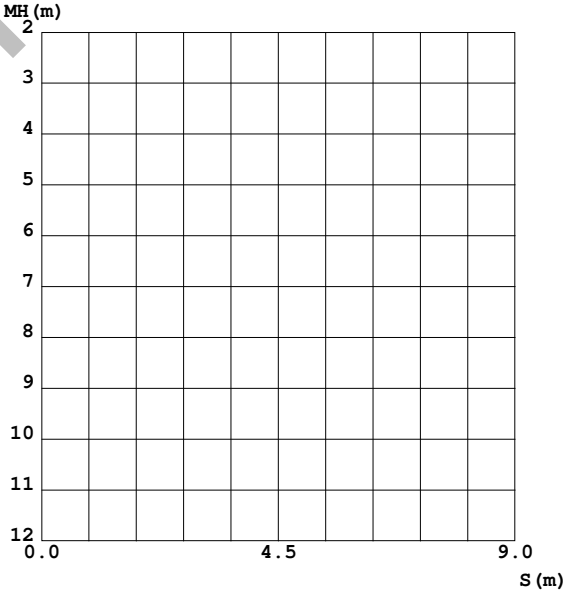
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 24.48 lm/W
MODEL	KL-2749	Imax(cd)	99.03	S/MH(C0/180)	0.00
NOMINAL POWER(W)	3	LOR(%)	25.3	S/MH(C90/270)	0.00
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	70.051	η UP,DN(C0-180)	0.0,25.3
NOMINAL FLUX(lm)	276.36	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,0.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	25.3	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):83.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	0	0.0140	0.0296	0.0057	0	0	0	0	0- 10	0.0001	0.0001	0.00,0.00
20	0	1.340	87.85	1.043	0	0	0	0	10- 20	1.042	1.042	1.49,0.38
30	0	6.161	97.90	6.879	0	0	0	0	20- 30	7.804	8.847	12.6,3.2
40	0	5.127	89.88	6.266	0	0	0	0	30- 40	11.44	20.29	29,7.34
50	0	3.946	80.82	4.928	0	0	0	0	40- 50	13.06	33.35	47.6,12.1
60	0	3.070	71.38	4.137	0	0	0	0	50- 60	13.51	46.87	66.9,17
70	0	2.382	60.94	3.646	0	0	0	0	60- 70	12.89	59.76	85.3,21.6
80	0	1.708	12.61	2.426	0	0	0	0	70- 80	9.043	68.80	98.2,24.9
90	0	1.203	2.697	1.421	0	0	0	0	80- 90	1.249	70.05	100,25.3
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

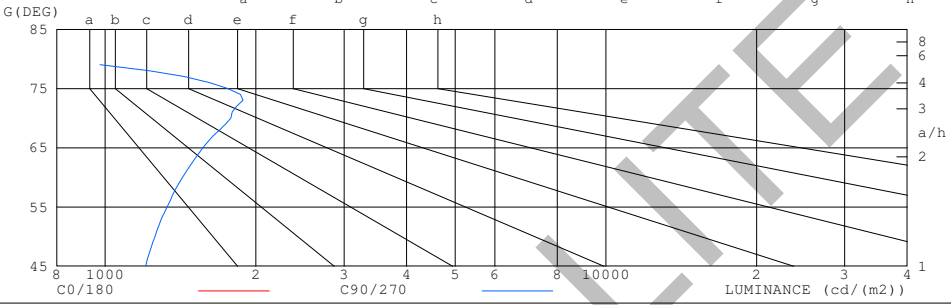
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	310
80	0	726
75	0	1755
70	0	1782
65	0	1569
60	0	1428
55	0	1329
50	0	1257
45	0	1205

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

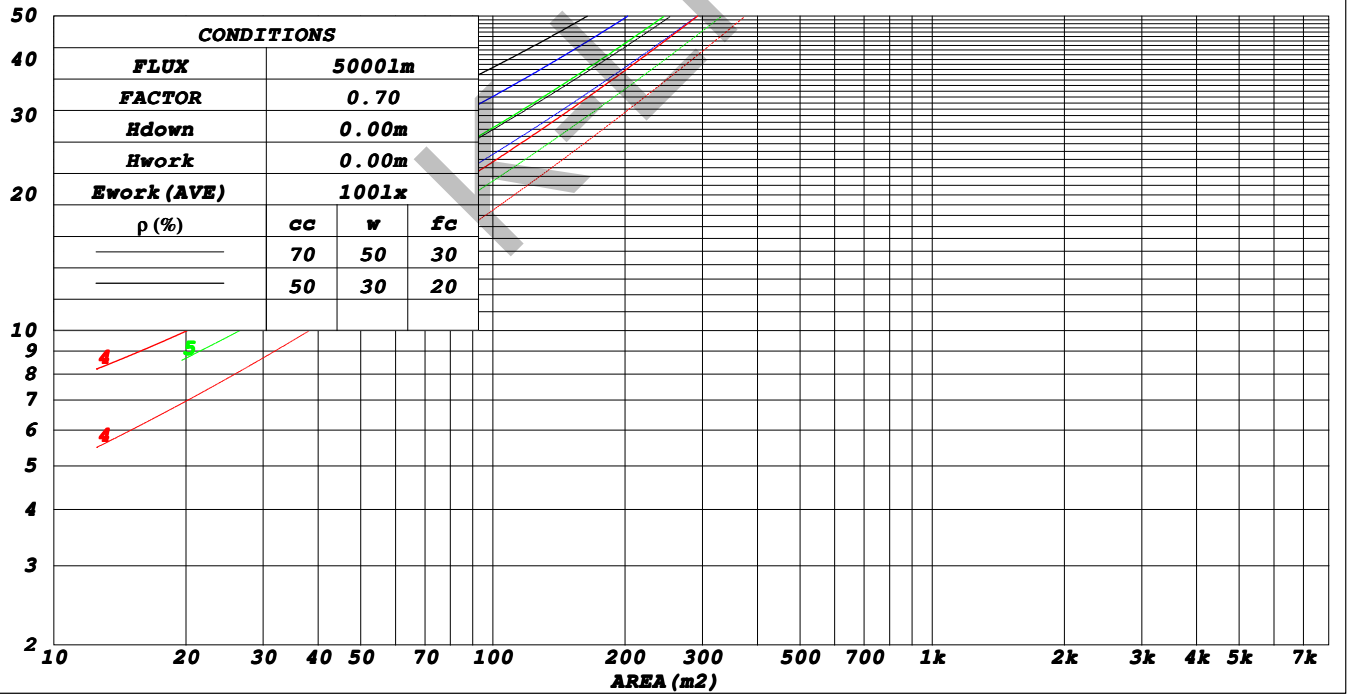
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.30	.30	.30	.29	.29	.29	.28	.28	.28	.27	.27	.27	.26	.26	.26	.25
1.0	.26	.24	.23	.25	.24	.23	.24	.23	.22	.23	.22	.21	.22	.21	.21	.20
2.0	.22	.19	.18	.21	.19	.17	.20	.18	.17	.19	.18	.17	.18	.17	.16	.16
3.0	.18	.16	.14	.18	.16	.14	.17	.15	.13	.16	.15	.13	.16	.14	.13	.12
4.0	.16	.13	.11	.15	.13	.11	.15	.13	.11	.14	.12	.11	.13	.12	.11	.10
5.0	.14	.11	.09	.13	.11	.09	.13	.11	.09	.12	.10	.09	.12	.10	.09	.08
6.0	.12	.09	.08	.12	.09	.08	.11	.09	.07	.11	.09	.07	.10	.09	.07	.07
7.0	.11	.08	.06	.10	.08	.06	.10	.08	.06	.10	.08	.06	.09	.08	.06	.06
8.0	.10	.07	.05	.09	.07	.05	.09	.07	.05	.09	.07	.05	.08	.07	.05	.05
9.0	.09	.06	.05	.08	.06	.05	.08	.06	.05	.08	.06	.05	.08	.06	.05	.04
10.0	.08	.06	.04	.08	.06	.04	.07	.05	.04	.07	.05	.04	.07	.05	.04	.03

LAMPS *LUMINAIRE BUDGETARY DIAGRAM*



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.093	.053	.017	.091	.052	.017	.088	.050	.016	.085	.049	.016	.082	.047	.015	
2.0	.088	.048	.015	.086	.047	.015	.083	.046	.014	.080	.045	.014	.077	.044	.014	
3.0	.080	.043	.013	.079	.042	.013	.076	.041	.013	.073	.040	.012	.071	.039	.012	
4.0	.073	.038	.011	.072	.038	.011	.069	.037	.011	.067	.036	.011	.065	.035	.011	
5.0	.067	.034	.010	.066	.034	.010	.064	.033	.010	.061	.032	.010	.060	.032	.010	
6.0	.061	.031	.009	.060	.031	.009	.058	.030	.009	.057	.029	.009	.055	.029	.009	
7.0	.057	.028	.008	.056	.028	.008	.054	.027	.008	.052	.027	.008	.051	.026	.008	
8.0	.053	.026	.007	.052	.025	.007	.050	.025	.007	.049	.025	.007	.047	.024	.007	
9.0	.049	.024	.007	.048	.024	.007	.047	.023	.007	.046	.023	.007	.044	.022	.006	
10.0	.046	.022	.006	.045	.022	.006	.044	.021	.006	.043	.021	.006	.042	.021	.006	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.048	.048	.048	.041	.041	.041	.028	.028	.028	.016	.016	.016	.005	.005	.005	
1.0	.047	.039	.033	.040	.034	.028	.027	.023	.020	.016	.013	.011	.005	.004	.004	
2.0	.045	.033	.023	.039	.029	.020	.027	.020	.014	.015	.012	.008	.005	.004	.003	
3.0	.044	.029	.017	.038	.025	.015	.026	.017	.010	.015	.010	.006	.005	.003	.002	
4.0	.042	.026	.013	.036	.022	.012	.025	.016	.008	.014	.009	.005	.005	.003	.002	
5.0	.040	.023	.011	.035	.020	.009	.024	.014	.007	.014	.008	.004	.004	.003	.001	
6.0	.039	.021	.009	.033	.018	.008	.023	.013	.005	.013	.008	.003	.004	.002	.001	
7.0	.037	.020	.008	.032	.017	.007	.022	.012	.005	.013	.007	.003	.004	.002	.001	
8.0	.035	.018	.007	.030	.016	.006	.021	.011	.004	.012	.007	.002	.004	.002	.001	
9.0	.033	.017	.006	.029	.015	.005	.020	.010	.004	.012	.006	.002	.004	.002	.001	
10.0	.032	.016	.005	.027	.014	.005	.019	.010	.003	.011	.006	.002	.004	.002	.001	

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
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*	*2.8*	*4.6*	*3.1*	*4.8*	*5.0*	*24.2*	*26.0*	*24.5*	*26.2*	*26.4*
	3H	*2.6*	*4.3*	*3.0*	*4.5*	*4.8*	*27.0*	*28.6*	*27.3*	*28.9*	*29.1*
	4H	*2.5*	*4.1*	*2.9*	*4.4*	*4.6*	*28.1*	*29.7*	*28.4*	*29.9*	*30.2*
	6H	*2.5*	*3.9*	*2.8*	*4.2*	*4.5*	*28.4*	*29.9*	*28.7*	*30.2*	*30.4*
	8H	*2.4*	*3.8*	*2.8*	*4.1*	*4.4*	*28.3*	*29.8*	*28.7*	*30.1*	*30.4*
	12H	*2.4*	*3.7*	*2.7*	*4.0*	*4.3*	*28.3*	*29.7*	*28.7*	*30.0*	*30.3*
4H	*2H*	*13.6*	*15.1*	*13.9*	*15.4*	*15.7*	*24.0*	*25.6*	*24.3*	*25.8*	*26.1*
	3H	*13.4*	*14.7*	*13.7*	*15.0*	*15.4*	*27.3*	*28.7*	*27.7*	*29.0*	*29.3*
	4H	*13.3*	*14.5*	*13.7*	*14.9*	*15.2*	*28.8*	*30.0*	*29.1*	*30.3*	*30.7*
	6H	*13.2*	*14.3*	*13.6*	*14.7*	*15.1*	*29.1*	*30.2*	*29.5*	*30.6*	*31.0*
	8H	*13.2*	*14.2*	*13.6*	*14.6*	*15.0*	*29.1*	*30.1*	*29.5*	*30.5*	*30.9*
	12H	*13.1*	*14.1*	*13.5*	*14.5*	*14.9*	*29.1*	*30.0*	*29.5*	*30.4*	*30.8*
8H	*4H*	*17.5*	*18.6*	*18.0*	*19.0*	*19.3*	*28.7*	*29.7*	*29.1*	*30.1*	*30.5*
	6H	*17.5*	*18.4*	*17.9*	*18.8*	*19.2*	*29.1*	*30.0*	*29.6*	*30.4*	*30.8*
	8H	*17.5*	*18.2*	*17.9*	*18.7*	*19.1*	*29.1*	*29.9*	*29.6*	*30.3*	*30.8*
	12H	*17.4*	*18.1*	*17.9*	*18.6*	*19.0*	*29.1*	*29.8*	*29.6*	*30.2*	*30.7*
12H	*4H*	*17.9*	*18.8*	*18.3*	*19.2*	*19.6*	*28.6*	*29.6*	*29.1*	*30.0*	*30.4*
	6H	*17.8*	*18.6*	*18.3*	*19.0*	*19.5*	*29.1*	*29.8*	*29.5*	*30.3*	*30.7*
	8H	*17.8*	*18.5*	*18.3*	*18.9*	*19.4*	*29.1*	*29.7*	*29.6*	*30.2*	*30.7*
Variations with the observer position at spacings:											
S = 1.0H		*+ 0.7 / - 0.9*					*+ 0.2 / - 0.1*				
1.5H		*+ 1.1 / - 1.4*					*+ 0.1 / - 0.3*				
2.0H		*+ 1.6 / - 3.5*					*+ 0.4 / - 0.7*				

CIE Pub.117, 276.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.5)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

K-LITE

UTILIZATION FACTORS TABLE

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
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) x RCR = 5									
k = 0.60	12	9	7	12	9	7	12	9	7	5
0.80	15	11	9	15	11	9	14	11	9	7
1.00	17	14	12	17	14	12	16	14	11	9
1.25	19	16	14	19	16	14	18	15	13	11
1.50	21	18	15	20	17	15	19	17	15	13
2.00	23	20	18	22	20	18	21	19	17	15
2.50	24	22	20	23	21	19	22	20	19	17
3.00	25	23	21	24	22	21	23	22	20	18
4.00	26	24	23	26	24	23	24	23	22	20
5.00	27	26	24	26	25	24	25	24	23	21
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

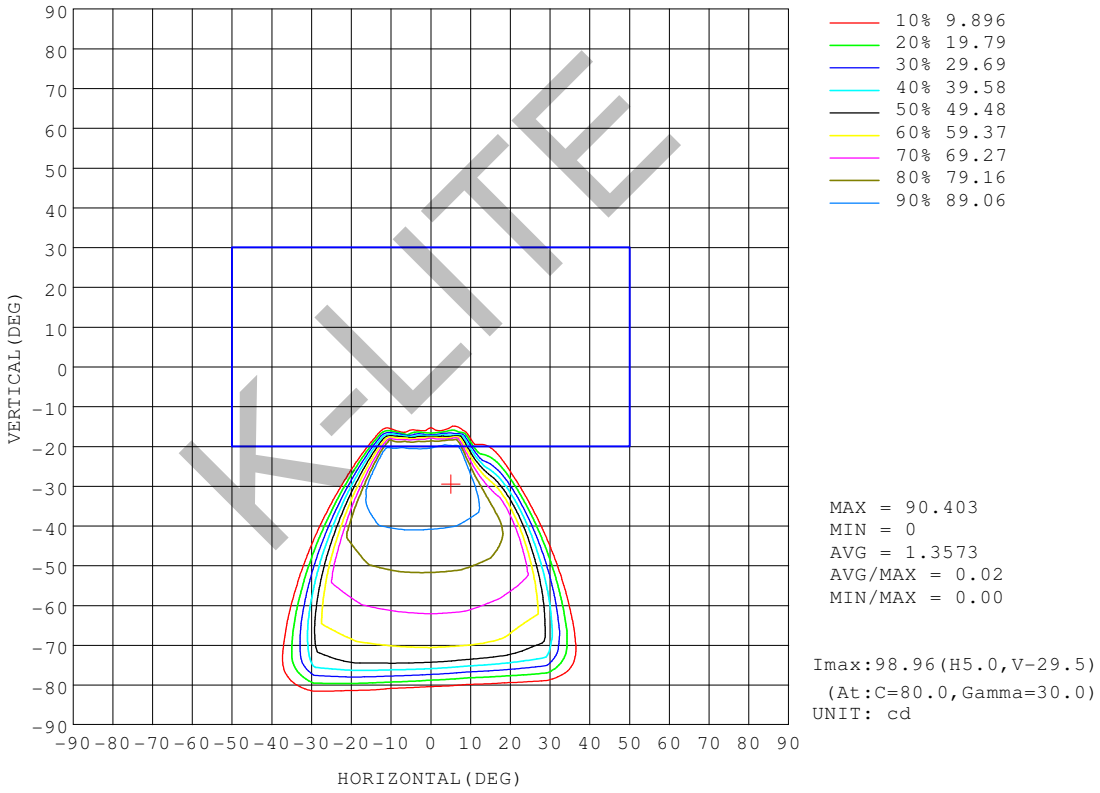
K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:



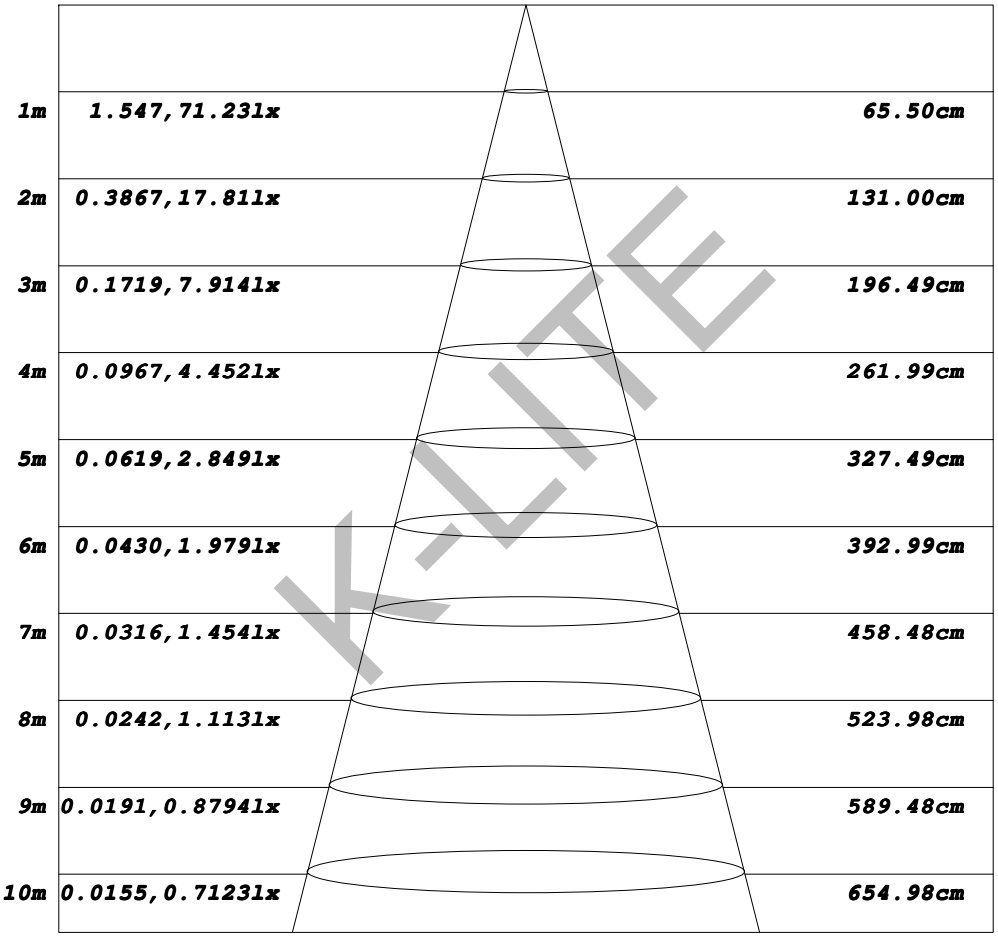
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

Flux out:0.5761 lm



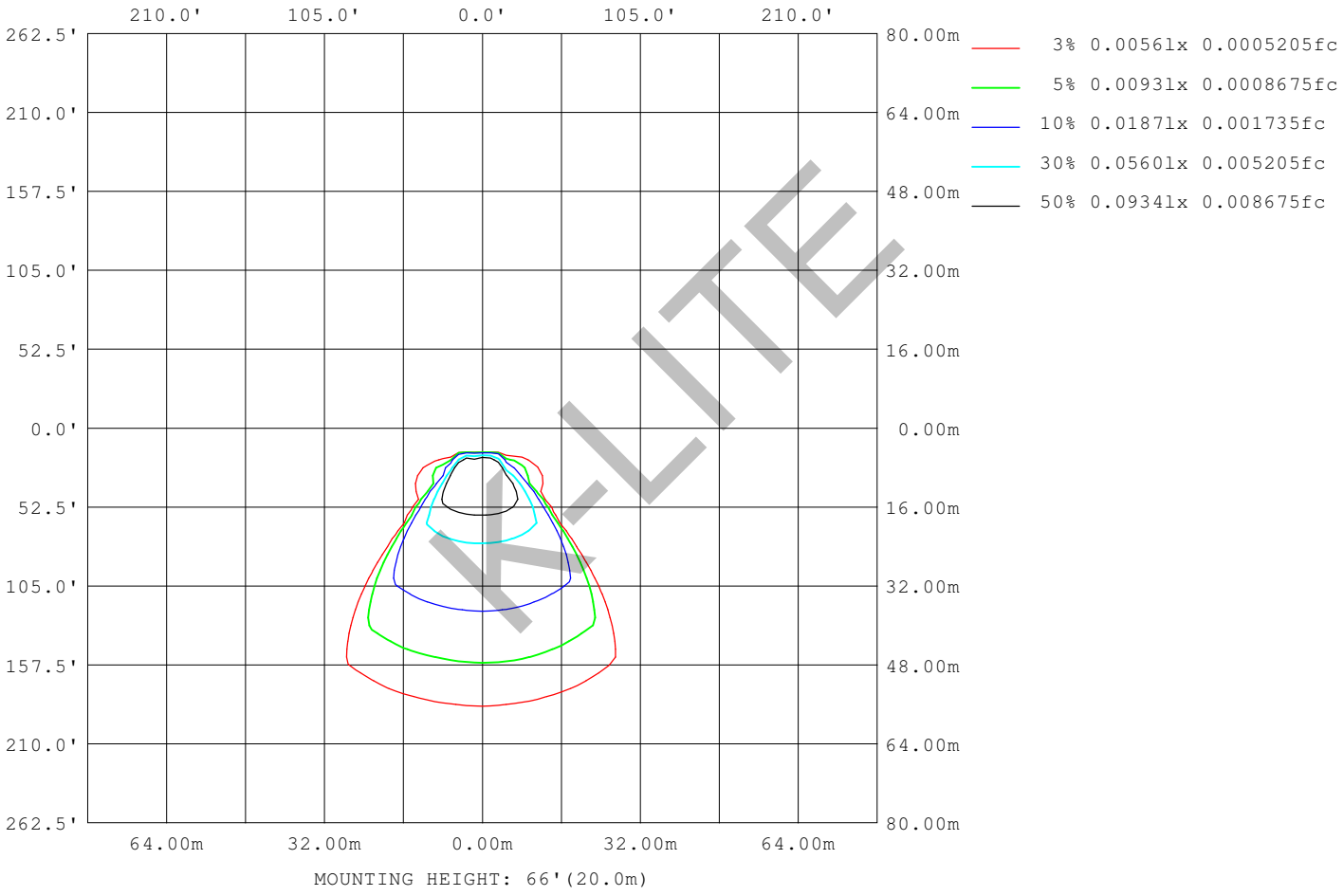
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
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:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
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	784
L_90~270(75)av	878
L_90~270(85)av	155
L_45(65)av	2
L_45(75)av	5
L_45(85)av	88

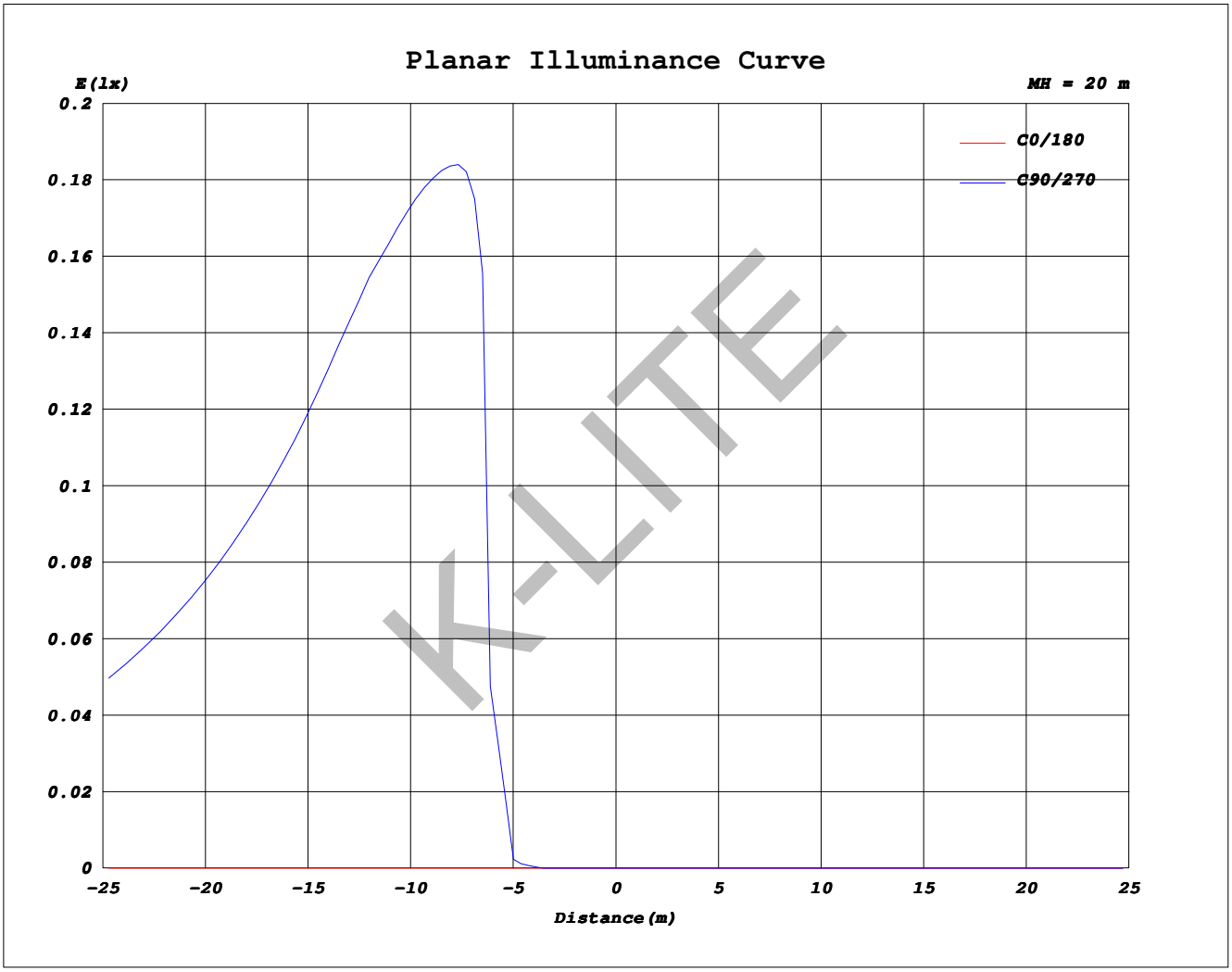
Standard: GB/T 29293-2012

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [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:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(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	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.04	0.09	0.25	0.64	1.22	1.35	7.93	1.12	0.89	0.54	0.24	0.06	0.02	0.00	0.00	0.00
20	0.00	0.00	0.04	0.17	0.62	2.06	5.17	84.7	89.6	87.8	86.4	83.0	54.5	1.61	0.47	0.10	0.02	0.00	0.00
25	0.00	0.00	0.13	0.66	3.30	6.51	20.2	95.1	97.1	95.7	95.5	95.5	91.9	6.69	2.39	0.41	0.08	0.00	0.00
30	0.00	0.01	0.29	1.91	5.28	7.04	46.1	95.6	99.0	97.9	97.9	98.2	91.9	8.10	5.66	1.42	0.19	0.00	0.00
35	0.00	0.04	0.48	2.71	5.16	6.39	65.1	92.3	94.9	95.1	95.9	96.8	88.5	7.77	6.07	2.95	0.36	0.01	0.00
40	0.00	0.06	0.62	2.75	4.62	5.63	74.2	87.3	89.5	89.9	90.5	91.0	85.2	6.96	5.58	3.26	0.53	0.03	0.00
45	0.00	0.09	0.68	2.61	4.07	4.91	76.6	83.3	85.0	85.2	85.5	85.2	80.6	6.17	4.86	3.11	0.63	0.06	0.00
50	0.00	0.11	0.69	2.46	3.60	4.29	74.3	79.0	80.5	80.8	81.2	80.6	76.3	5.63	4.23	2.86	0.67	0.08	0.00
55	0.00	0.13	0.70	2.30	3.19	3.75	70.5	74.5	75.9	76.3	76.2	75.6	72.3	5.08	3.72	2.62	0.68	0.10	0.00
60	0.00	0.14	0.69	2.12	2.83	3.31	65.5	69.2	71.0	71.4	71.1	70.6	67.3	4.99	3.29	2.40	0.68	0.11	0.00
65	0.00	0.15	0.68	1.92	2.50	2.94	60.0	63.8	65.9	66.3	66.0	65.7	62.1	4.94	2.89	2.18	0.67	0.13	0.00
70	0.00	0.16	0.66	1.71	2.18	2.58	53.7	58.6	60.4	60.9	60.1	59.7	56.3	4.77	2.52	1.95	0.65	0.14	0.00
75	0.00	0.16	0.63	1.49	1.88	2.20	40.9	42.0	42.5	45.4	48.3	51.2	47.5	4.31	2.17	1.70	0.63	0.15	0.00
80	0.00	0.17	0.59	1.27	1.60	1.82	11.5	10.2	9.74	12.6	16.1	21.5	25.2	2.99	1.86	1.46	0.60	0.15	0.00
85	0.00	0.17	0.54	1.08	1.35	1.53	2.14	2.36	2.53	2.70	2.72	2.89	3.38	1.85	1.58	1.24	0.56	0.16	0.00
90	0.00	0.17	0.49	0.89	1.11	1.29	1.67	1.94	2.33	2.70	2.40	1.93	1.86	1.52	1.32	1.04	0.51	0.15	0.00

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.46V I:0.0131A P:2.8615W PF:0.9508 Freq:50.00Hz Lamp Flux:276.36x1 lm		
NAME: SUDO MINI - ASY VERTICAL FRAME	TYPE:PATH FINDERS	WEIGHT:0.444kg
SPEC.:WW, NICHIA	DIM.: 76 x 87 x 130	SERIAL No.:2146
MFR.: K-LITE	SUR.:	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(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	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

K-LITE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:K-LITE
Test Date:20 October 2020

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:1.825m [K=1.0000]
Remarks: