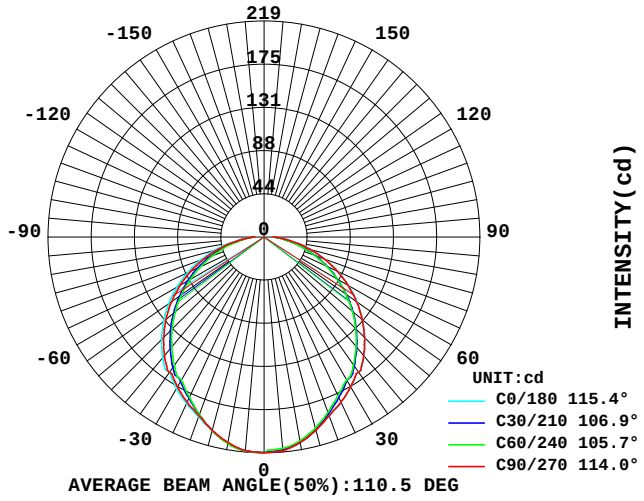
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

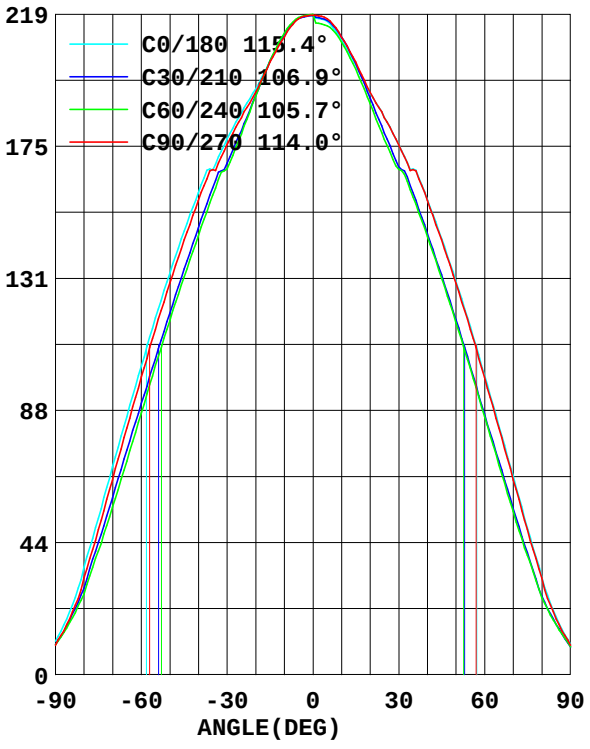
DATA OF LAMP		Imax(cd)	218.8	S/MH(C0/180)	1.22
MODEL	2838 2700K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.21
NOMINAL POWER(W)	27	TOTAL FLUX(lm)	599.13	Voltage(V)	24.00
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	22.4	Current(A)	1.117
NOMINAL FLUX(lm)	599.1	h up(%)	0.0	Power(W)	26.79
LAMPS QUANTITY	1	h down(%)	100.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effictive Flux(lm)	586.7	EEI	0.535

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):110.5 DEG

LUMINOUS INTENSITY DISTRIBUTION



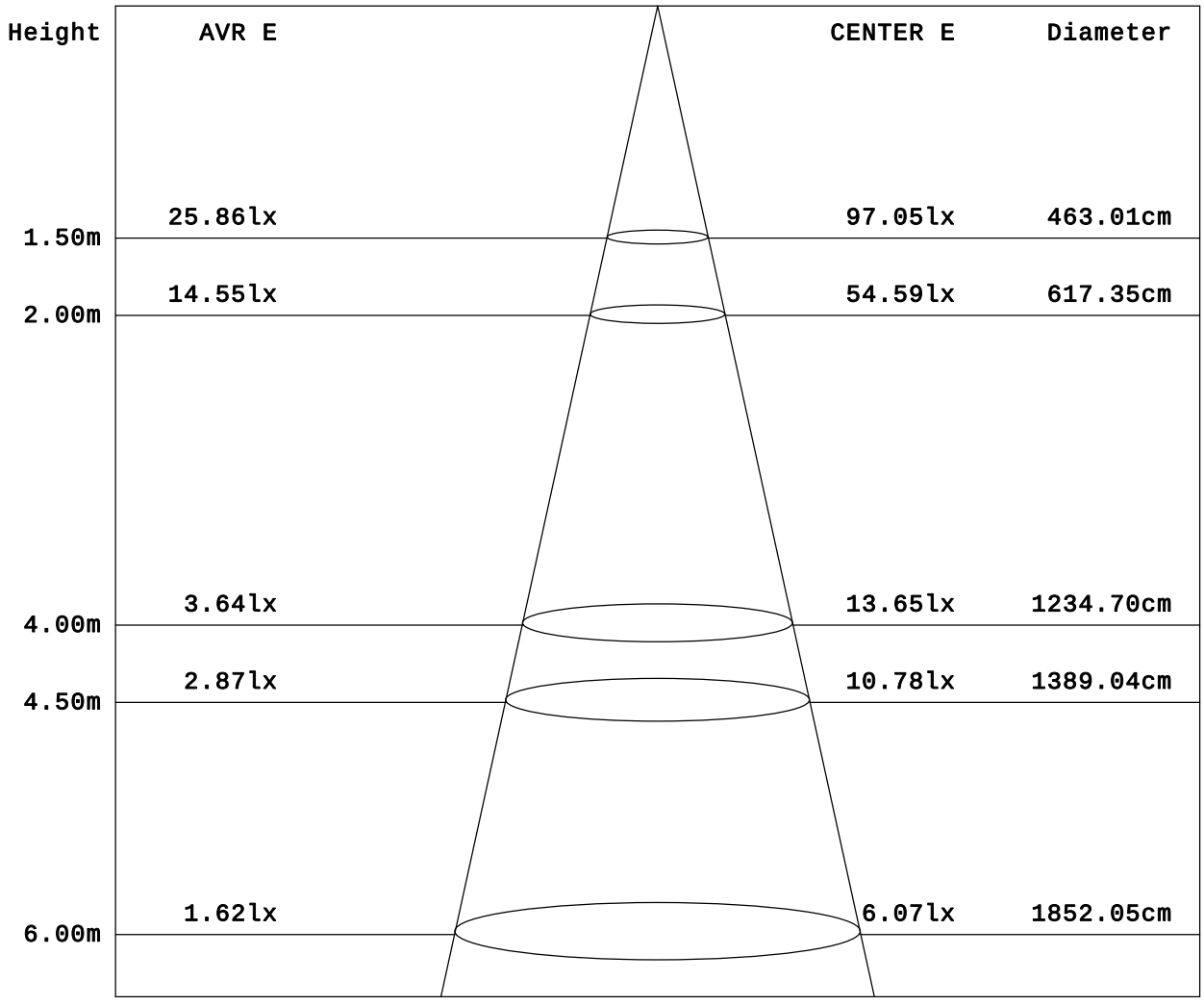
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501



Angle:114.1deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	total
5.0	217.4	216.5	217.2	215.7	216.3	215.7	217.2	216.5	0- 5	5.181	5.181
10.0	211.5	211.0	211.2	209.9	210.3	209.9	211.2	211.0	5- 10	15.27	20.45
15.0	203.3	201.2	202.9	200.2	202.0	200.2	202.9	201.2	10- 15	24.44	44.90
20.0	193.9	190.7	192.8	190.0	192.5	190.0	192.8	190.7	15- 20	32.33	77.23
25.0	186.1	178.4	184.5	177.9	184.6	177.9	184.5	178.4	20- 25	39.18	116.4
30.0	177.4	165.2	175.6	165.2	175.7	165.2	175.6	165.2	25- 30	44.74	161.1
35.0	167.1	153.0	167.2	152.9	167.5	152.9	167.2	153.0	30- 35	49.07	210.2
40.0	159.5	140.7	156.9	140.5	157.2	140.5	156.9	140.7	35- 40	51.84	262.0
45.0	147.0	128.5	144.0	128.0	144.5	128.0	144.0	128.5	40- 45	52.71	314.8
50.0	132.8	114.8	129.6	114.5	130.1	114.5	129.6	114.8	45- 50	51.90	366.7
55.0	118.2	100.0	114.2	99.77	115.3	99.77	114.2	100.0	50- 55	49.44	416.1
60.0	102.1	85.05	98.62	84.35	99.26	84.35	98.62	85.05	55- 60	45.40	461.5
65.0	85.44	69.82	81.72	67.58	82.36	67.58	81.72	69.82	60- 65	40.02	501.5
70.0	68.92	54.84	64.44	50.68	65.79	50.68	64.44	54.84	65- 70	33.59	535.1
75.0	51.84	37.69	48.06	33.79	48.63	33.79	48.06	37.69	70- 75	26.26	561.4
80.0	35.58	24.06	32.12	22.72	32.25	22.72	32.12	24.06	75- 80	18.77	580.2
85.0	20.86	15.04	18.36	14.08	19.13	14.08	18.36	15.04	80- 85	11.91	592.1
90.0	11.07	8.384	9.664	7.680	10.04	7.680	9.664	8.384	85- 90	6.987	599.1
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

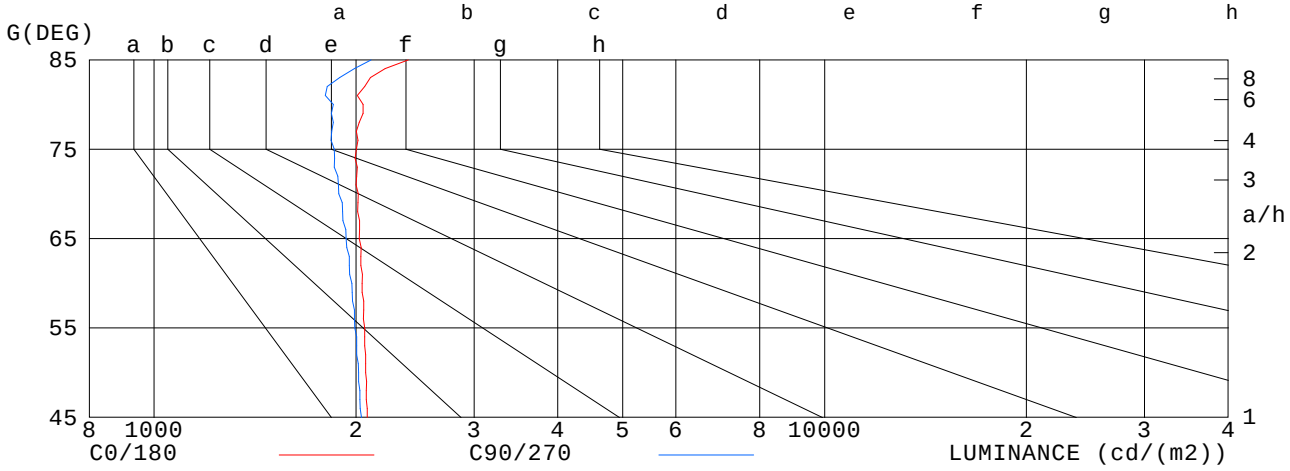
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: lightstec	**Address:**	
NAME: LT-D60	**TYPE:LED linear light**	**WEIGHT:1**
SPECIFICATION:27W Round	**DIMENSION: 60cm**	**SERIAL No.:2021030501**

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	2394	2107
80	2049	1850
75	2003	1857
70	2015	1884
65	2022	1934
60	2043	1972
55	2061	1992
50	2067	2017
45	2079	2037

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
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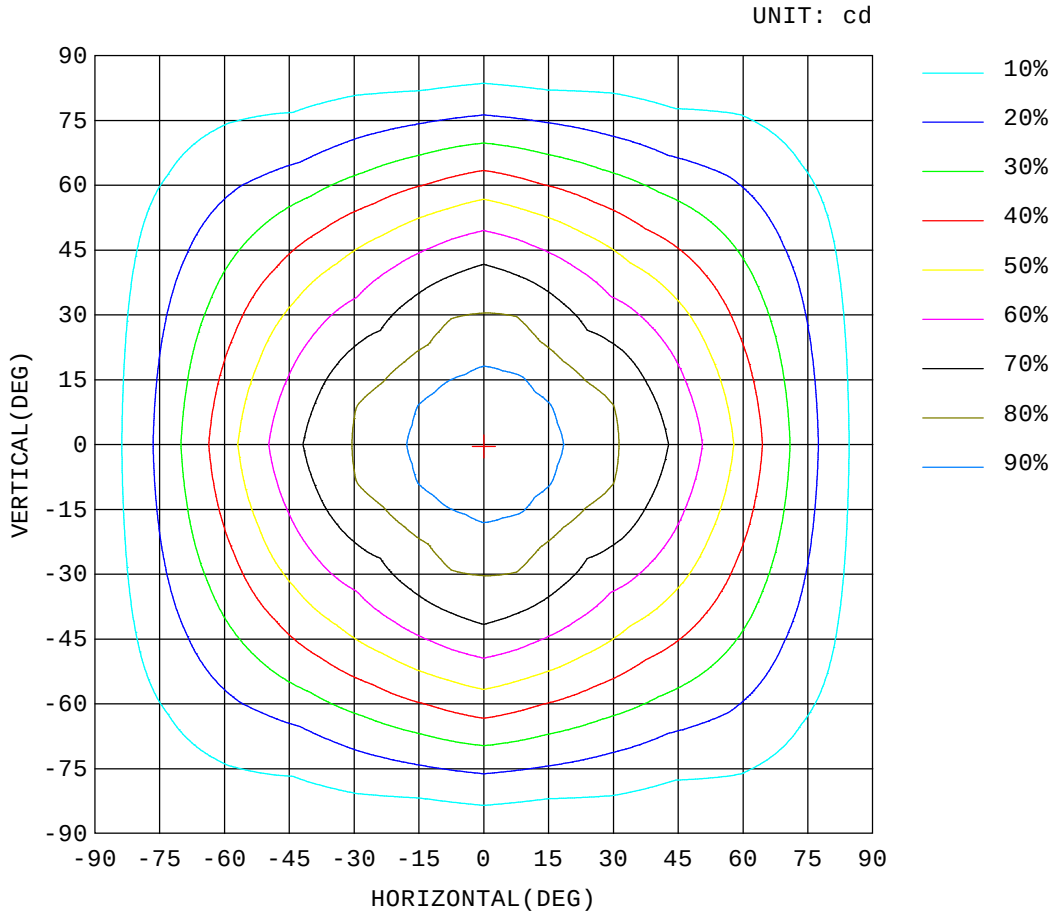
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501



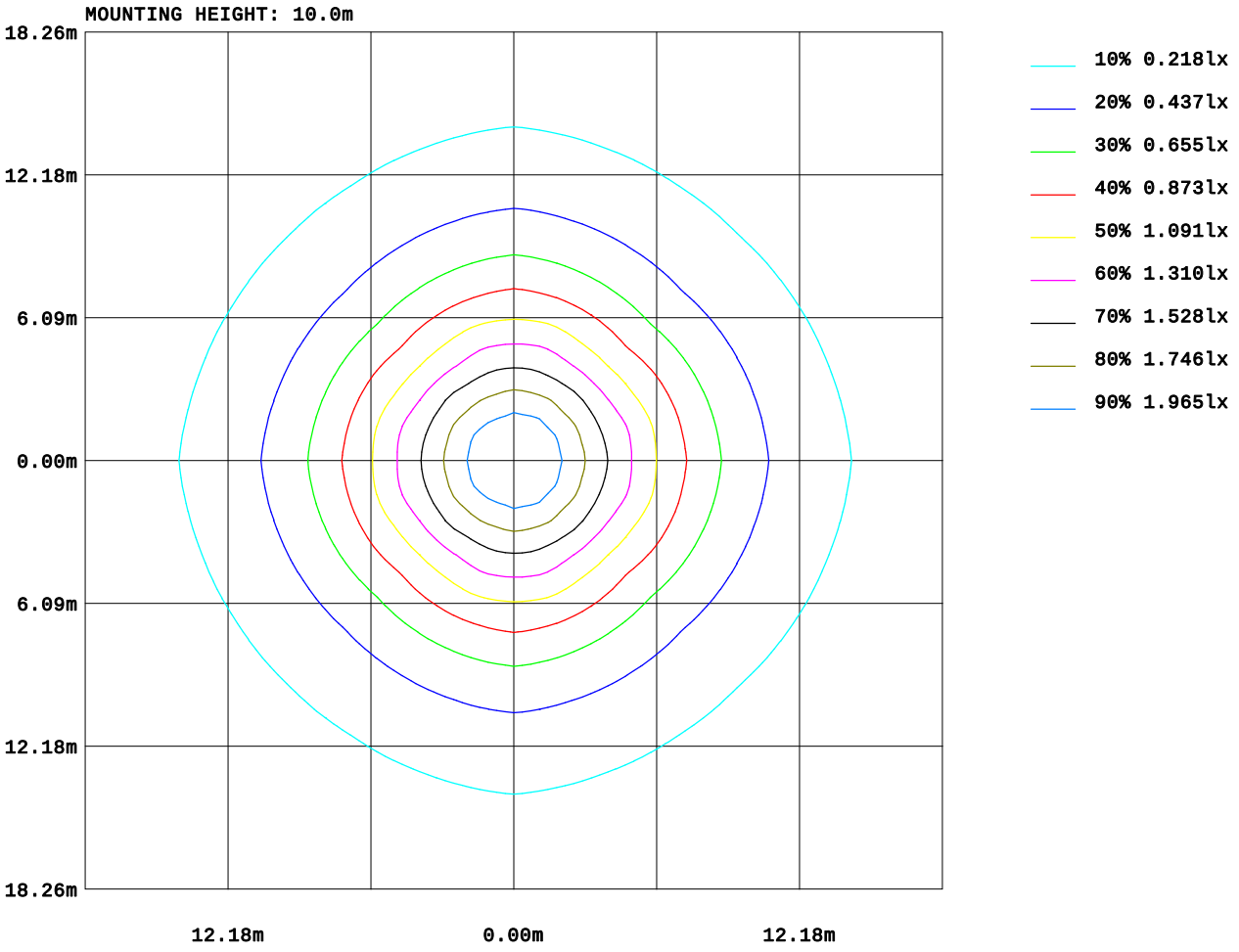
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG) 20	30	40	50	60	70	80	90	F t	F a
90	0.03	0.08	0.15	0.22	0.27	0.36	0.44	0.48	0.55	0.56	0.49	0.45	0.38	0.29	0.24	0.17	0.09	0.03	5.28	0.96
80	0.03	0.12	0.24	0.39	0.53	0.75	1.00	1.21	1.39	1.40	1.23	1.03	0.80	0.57	0.43	0.26	0.12	0.03	11.5	10.3
70	0.04	0.15	0.36	0.64	0.93	1.32	1.73	2.09	2.38	2.38	2.11	1.76	1.39	1.01	0.70	0.40	0.17	0.04	19.6	19.3
60	0.04	0.20	0.51	0.92	1.40	1.94	2.48	2.97	3.35	3.35	2.98	2.50	1.97	1.47	0.98	0.55	0.22	0.05	27.9	27.8
50	0.05	0.25	0.65	1.19	1.84	2.52	3.18	3.79	4.23	4.23	3.80	3.20	2.53	1.89	1.26	0.69	0.27	0.05	35.6	35.5
40	0.05	0.30	0.78	1.44	2.23	3.02	3.77	4.48	4.96	4.97	4.50	3.78	3.05	2.28	1.50	0.82	0.32	0.06	42.3	42.3
30	0.06	0.34	0.89	1.66	2.57	3.48	4.27	4.99	5.52	5.55	5.01	4.29	3.53	2.62	1.72	0.94	0.36	0.06	47.9	47.8
	0.06	0.37	0.99	1.84	2.85	3.87	4.74	5.49	6.01	6.06	5.52	4.77	3.92	2.90	1.90	1.03	0.40	0.06	52.8	52.8
	0.06	0.39	1.05	1.97	3.04	4.11	5.06	5.85	6.43	6.48	5.88	5.09	4.15	3.10	2.02	1.09	0.42	0.07	56.3	56.2
	0.06	0.39	1.05	1.97	3.04	4.11	5.06	5.85	6.43	6.48	5.88	5.09	4.15	3.10	2.02	1.09	0.42	0.07	56.3	56.2
	0.06	0.37	0.99	1.84	2.85	3.87	4.74	5.49	6.01	6.06	5.52	4.77	3.92	2.90	1.90	1.03	0.40	0.06	52.8	52.8
-30	0.06	0.34	0.89	1.66	2.57	3.48	4.27	4.99	5.52	5.55	5.01	4.29	3.53	2.62	1.72	0.94	0.36	0.06	47.9	47.8
-40	0.05	0.30	0.78	1.44	2.23	3.02	3.77	4.48	4.96	4.97	4.50	3.78	3.05	2.28	1.50	0.82	0.32	0.06	42.3	42.3
-50	0.05	0.25	0.65	1.19	1.84	2.52	3.18	3.79	4.23	4.23	3.80	3.20	2.53	1.89	1.26	0.69	0.27	0.05	35.6	35.5
-60	0.04	0.20	0.51	0.92	1.40	1.94	2.48	2.97	3.35	3.35	2.98	2.50	1.97	1.47	0.98	0.55	0.22	0.05	27.9	27.8
-70	0.04	0.15	0.36	0.64	0.93	1.32	1.73	2.09	2.38	2.38	2.11	1.76	1.39	1.01	0.70	0.40	0.17	0.04	19.6	19.3
-80	0.03	0.12	0.24	0.39	0.53	0.75	1.00	1.21	1.39	1.40	1.23	1.03	0.80	0.57	0.43	0.26	0.12	0.03	11.5	10.3
-90	0.03	0.08	0.15	0.22	0.27	0.36	0.44	0.48	0.55	0.56	0.49	0.45	0.38	0.29	0.24	0.17	0.09	0.03	5.28	0.96
F t	0.82	4.41	11.2	20.6	31.3	42.8	53.4	62.7	69.7	70.0	63.1	53.8	43.5	32.2	21.5	11.9	4.74	0.90	599	
F a	0.27	3.70	10.5	19.8	30.5	42.0	52.6	62.1	69.0	69.3	62.4	53.1	42.7	31.5	20.8	11.2	4.10	0.37		587

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

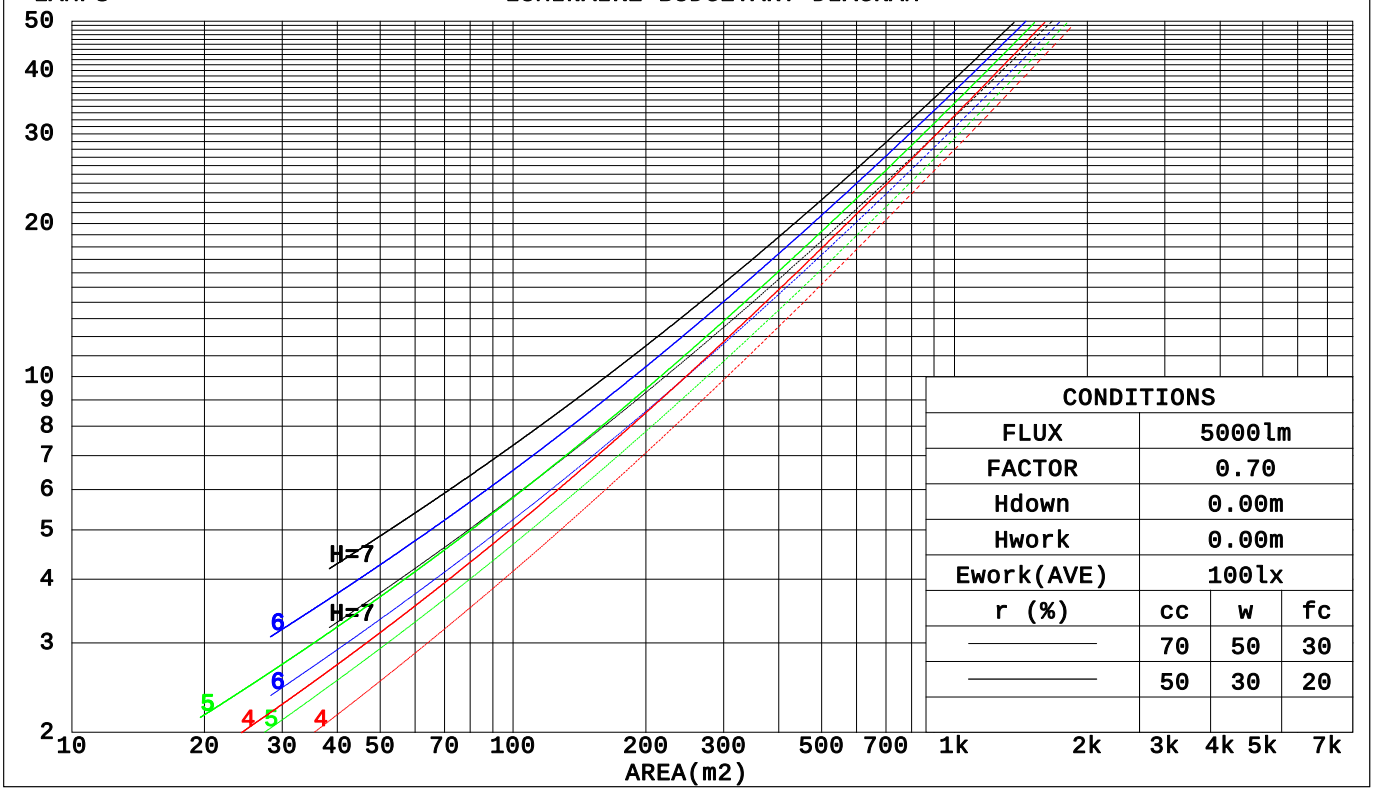
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.03	.99	.94	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

WEC AND CCEC

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.325	.185	.059	.318	.181	.058	.305	.175	.056	.292	.169	.054	.281	.163	.053	
2.0	.300	.164	.050	.294	.162	.050	.282	.157	.049	.271	.152	.048	.261	.148	.047	
3.0	.275	.146	.044	.270	.144	.043	.259	.140	.043	.250	.137	.042	.241	.133	.041	
4.0	.253	.131	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037	
5.0	.233	.119	.034	.228	.117	.034	.220	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.215	.108	.031	.212	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.133	.155	.134	.115	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

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	15.2	16.7	15.5	16.9	17.1	15.0	16.5	15.3	16.7	16.9
3H	17.0	18.4	17.3	18.6	18.9	16.7	18.1	17.0	18.3	18.6
4H	17.8	19.1	18.1	19.4	19.6	17.4	18.8	17.7	19.0	19.3
6H	18.4	19.7	18.8	20.0	20.3	18.0	19.3	18.4	19.6	19.9
8H	18.7	19.9	19.0	20.2	20.5	18.3	19.5	18.6	19.8	20.1
12H	18.9	20.1	19.3	20.4	20.7	18.5	19.7	18.9	20.0	20.3
4H 2H	15.7	17.1	16.0	17.3	17.6	15.5	16.9	15.9	17.1	17.4
3H	17.6	18.8	18.0	19.1	19.4	17.4	18.6	17.7	18.9	19.2
4H	18.6	19.7	18.9	20.0	20.3	18.3	19.3	18.6	19.7	20.0
6H	19.4	20.4	19.8	20.7	21.1	19.0	20.0	19.4	20.3	20.7
8H	19.7	20.6	20.1	21.0	21.4	19.3	20.2	19.7	20.6	21.0
12H	20.1	20.9	20.5	21.3	21.7	19.6	20.5	20.0	20.8	21.2
8H 4H	18.8	19.7	19.2	20.1	20.5	18.5	19.4	18.9	19.8	20.2
6H	19.8	20.5	20.2	20.9	21.4	19.4	20.2	19.9	20.6	21.0
8H	20.2	20.9	20.7	21.3	21.8	19.8	20.5	20.3	20.9	21.4
12H	20.7	21.3	21.2	21.7	22.2	20.3	20.9	20.7	21.3	21.8
12H 4H	18.8	19.6	19.2	20.0	20.4	18.5	19.4	19.0	19.8	20.2
6H	19.8	20.5	20.3	20.9	21.4	19.5	20.2	20.0	20.6	21.1
8H	20.3	20.9	20.8	21.4	21.9	20.0	20.6	20.4	21.0	21.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 599.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.8)

Test System:HOPOO HPG1800 Test Set: 8.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:8.000 m
Test Date:2021/03/05 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501

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	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	94	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	93	99	94	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

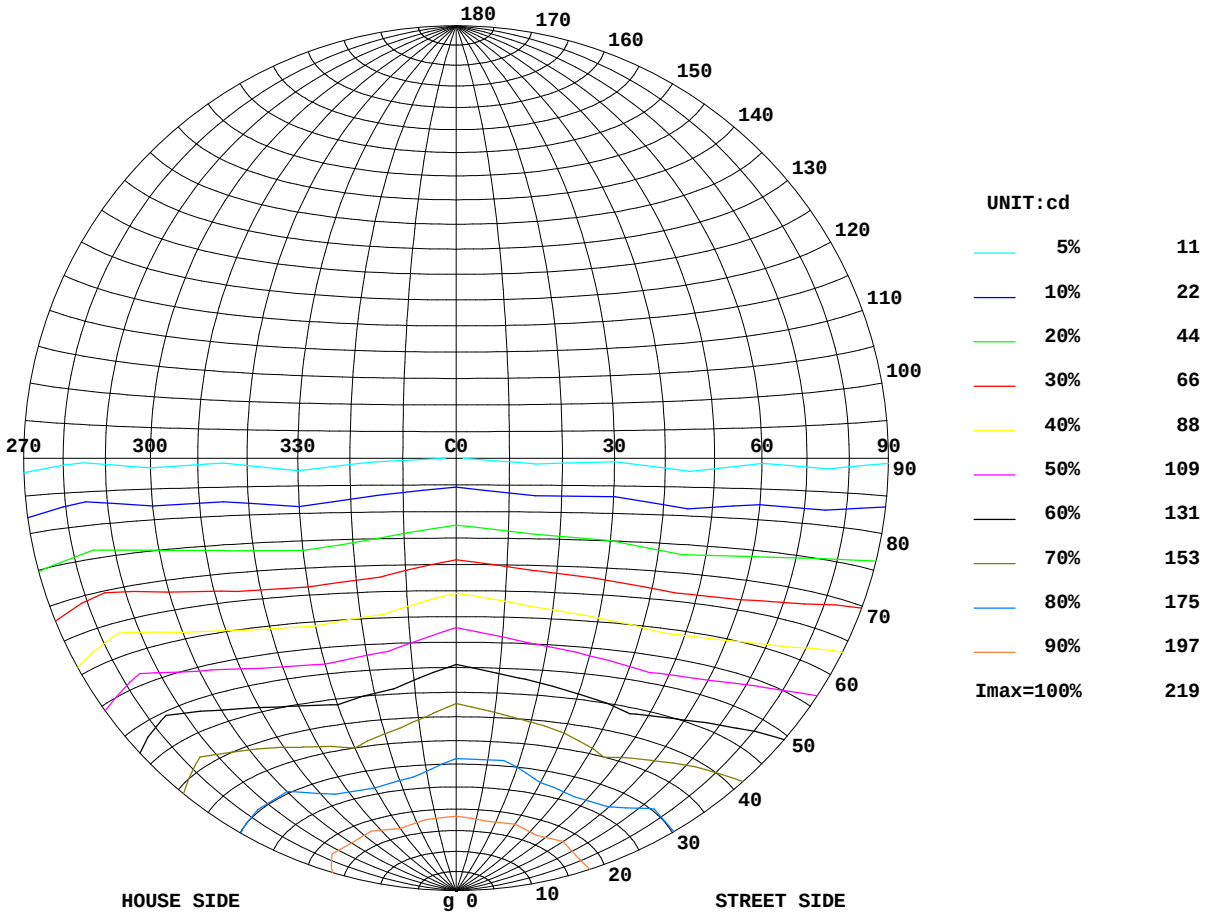
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501



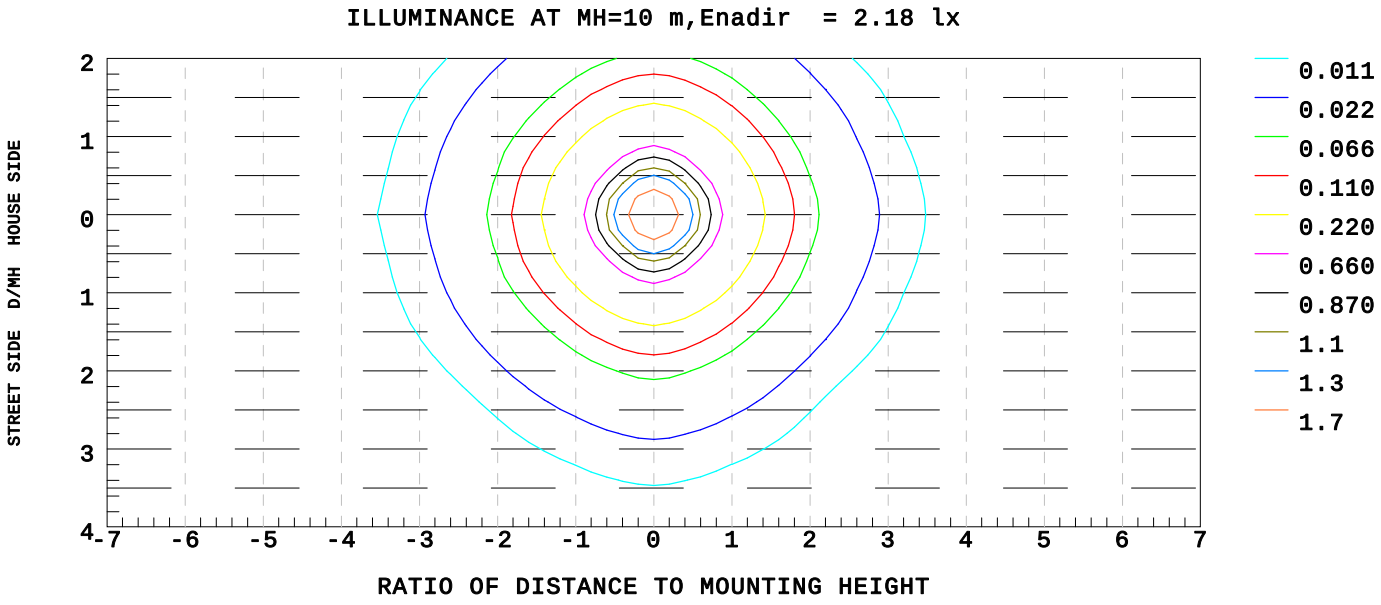
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

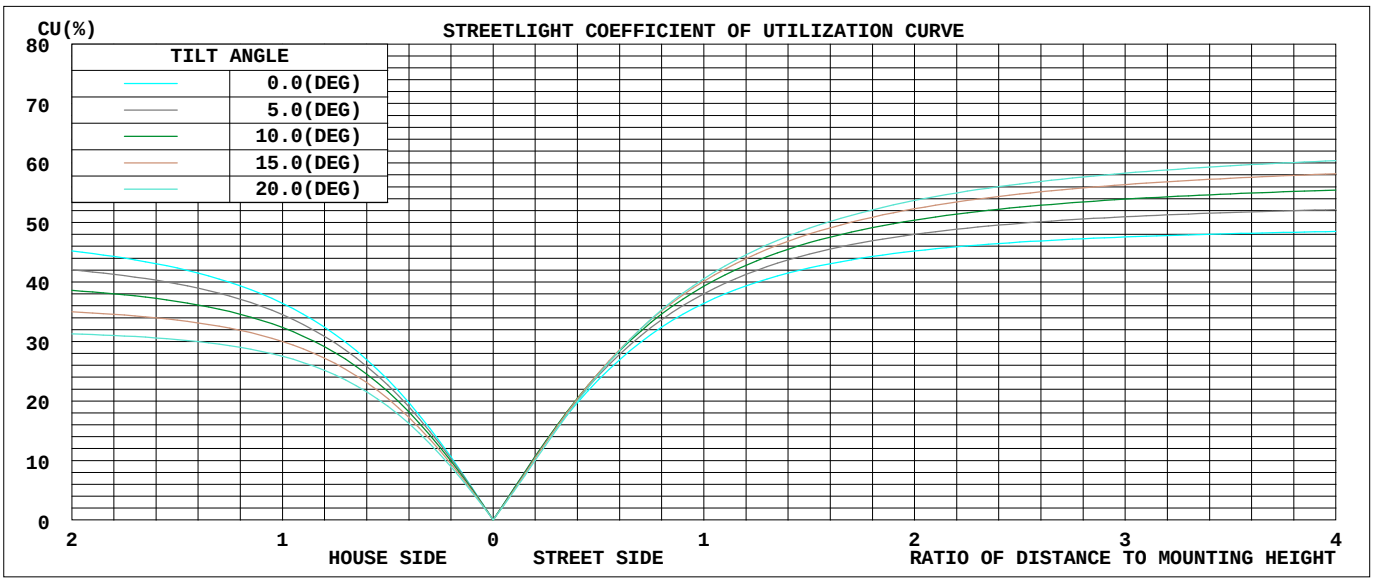
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501





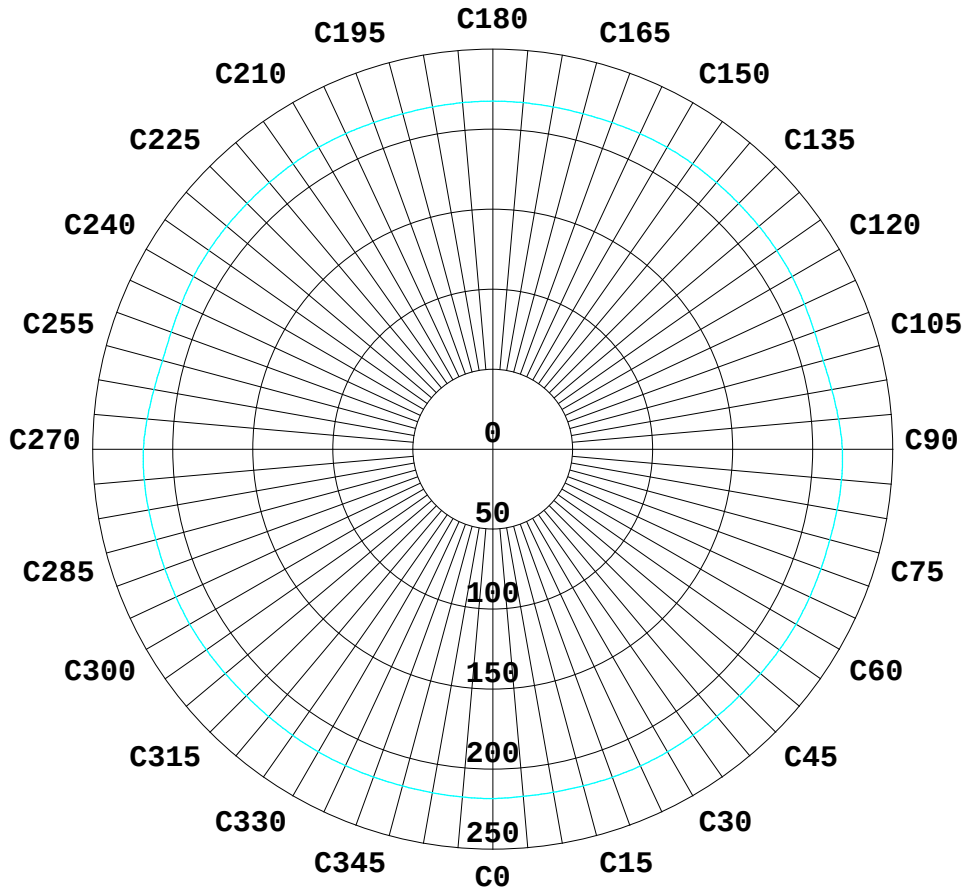
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: lightstec	Address:	
NAME: LT-D60	TYPE:LED linear light	WEIGHT:1
SPECIFICATION:27W Round	DIMENSION: 60cm	SERIAL No.:2021030501



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2021/03/05

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: lightstec	**Address:**	
NAME: LT-D60	**TYPE:LED linear light**	**WEIGHT:1**
SPECIFICATION:27W Round	**DIMENSION: 60cm**	**SERIAL No.:2021030501**

UNIT: cd

C(DEG) / g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	218	218	218	218	219	218	218	214	216	217	218	217	218	217	218
5.0	217	216	217	217	218	216	217	212	215	216	217	215	216	215	217
10.0	212	210	212	211	212	210	211	208	210	210	211	209	210	209	211
15.0	203	202	203	201	203	202	203	200	201	200	202	201	202	201	202
20.0	194	192	192	191	192	192	193	190	189	190	191	191	193	191	191
25.0	186	187	180	178	179	186	185	185	177	178	179	186	185	186	179
30.0	177	178	169	165	167	176	176	175	167	165	168	176	176	176	168
35.0	167	166	161	153	159	164	167	163	158	153	160	164	168	164	160
40.0	160	154	148	141	145	151	157	150	145	141	146	151	157	151	146
45.0	147	140	134	129	132	137	144	137	131	128	132	138	145	138	132
50.0	133	126	120	115	117	123	130	122	116	115	118	123	130	123	118
55.0	118	110	105	100	102	107	114	107	102	99.7	102	107	115	107	102
60.0	102	94.8	89.8	85.0	86.5	91.3	98.6	91.1	85.6	84.3	86.4	91.5	99.2	91.5	86.4
65.0	85.4	78.5	74.4	69.8	70.6	75.1	81.7	74.9	69.4	67.5	70.7	75.0	82.3	75.0	70.7
70.0	68.9	62.2	58.4	54.8	55.5	58.9	64.4	58.4	54.0	50.6	54.9	58.7	65.7	58.7	54.9
75.0	51.8	46.5	43.9	37.6	41.0	43.5	48.0	43.0	39.4	33.7	40.4	43.3	48.6	43.3	40.4
80.0	35.5	30.5	28.6	24.0	26.6	27.4	32.1	26.9	25.5	22.7	26.0	27.3	32.2	27.3	26.0
85.0	20.8	17.2	17.9	15.0	17.2	16.1	18.3	15.8	16.5	14.0	16.6	16.1	19.1	16.1	16.6
90.0	11.0	9.53	10.0	8.38	9.92	8.96	9.66	8.25	9.21	7.68	9.21	8.70	10.0	8.70	9.21

Test System:HOPOO HPG1800 **Test Set: 8.0deg/s C-Gamma (TYPE C)**
Temperature:25.3DEG **Humidity:65.0%**
Operators: **Test Distance:8.000 m**
Test Date:2021/03/05 **Remarks:**

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: lightstec	**Address:**	
NAME: LT-D60	**TYPE:LED linear light**	**WEIGHT:1**
SPECIFICATION:27W Round	**DIMENSION: 60cm**	**SERIAL No.:2021030501**

UNIT: cd

C(DEG) / g (DEG)	225	240	255	270	285	300	315	330	345
0.0	217	216	214	218	218	219	218	218	218
5.0	216	215	212	217	216	218	217	217	216
10.0	210	210	208	211	210	212	211	212	210
15.0	200	201	200	203	202	203	201	203	202
20.0	190	189	190	193	192	192	191	192	192
25.0	178	177	185	185	186	179	178	180	187
30.0	165	167	175	176	176	167	165	169	178
35.0	153	158	163	167	164	159	153	161	166
40.0	141	145	150	157	151	145	141	148	154
45.0	128	131	137	144	137	132	129	134	140
50.0	115	116	122	130	123	117	115	120	126
55.0	99.7	102	107	114	107	102	100	105	110
60.0	84.3	85.6	91.1	98.6	91.3	86.5	85.0	89.8	94.8
65.0	67.5	69.4	74.9	81.7	75.1	70.6	69.8	74.4	78.5
70.0	50.6	54.0	58.4	64.4	58.9	55.5	54.8	58.4	62.2
75.0	33.7	39.4	43.0	48.0	43.5	41.0	37.6	43.9	46.5
80.0	22.7	25.5	26.9	32.1	27.4	26.6	24.0	28.6	30.5
85.0	14.0	16.5	15.8	18.3	16.1	17.2	15.0	17.9	17.2
90.0	7.68	9.21	8.25	9.66	8.96	9.92	8.38	10.0	9.53

Test System:HOPOO HPG1800 **Test Set: 8.0deg/s C-Gamma (TYPE C)**
Temperature:25.3DEG **Humidity:65.0%**
Operators: **Test Distance:8.000 m**
Test Date:2021/03/05 **Remarks:**