

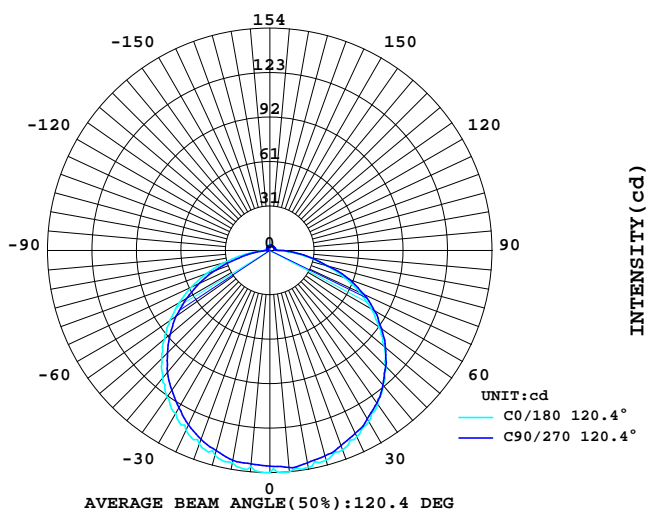
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

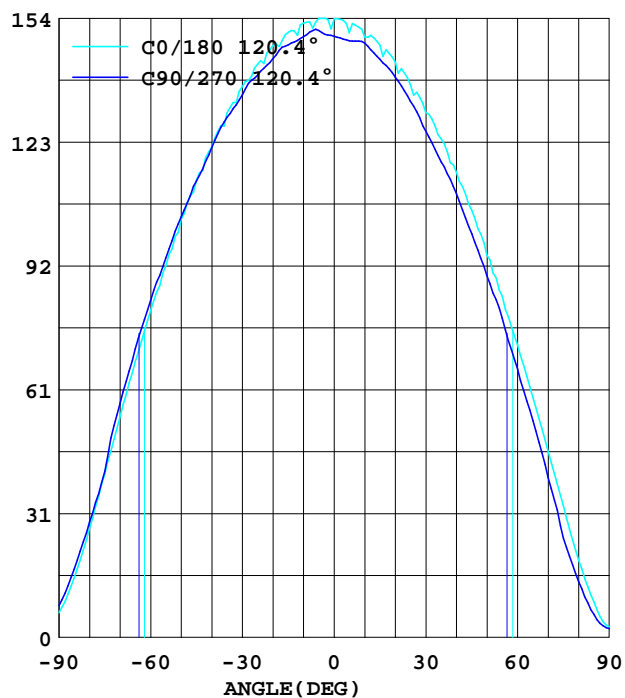
MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

DATA OF LAMP		Imax(cd)	154.3	S/MH(C0/180)	1.32
MODEL	2835	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.34
NOMINAL POWER(W)	4	TOTAL FLUX(lm)	496.45	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	141.8	Current(A)	0.145
NOMINAL FLUX(lm)	496.5	h up(%)	4.0	Power(W)	3.500
LAMPS QUANTITY	1	h down(%)	96.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	470.2	EEL	0.083

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

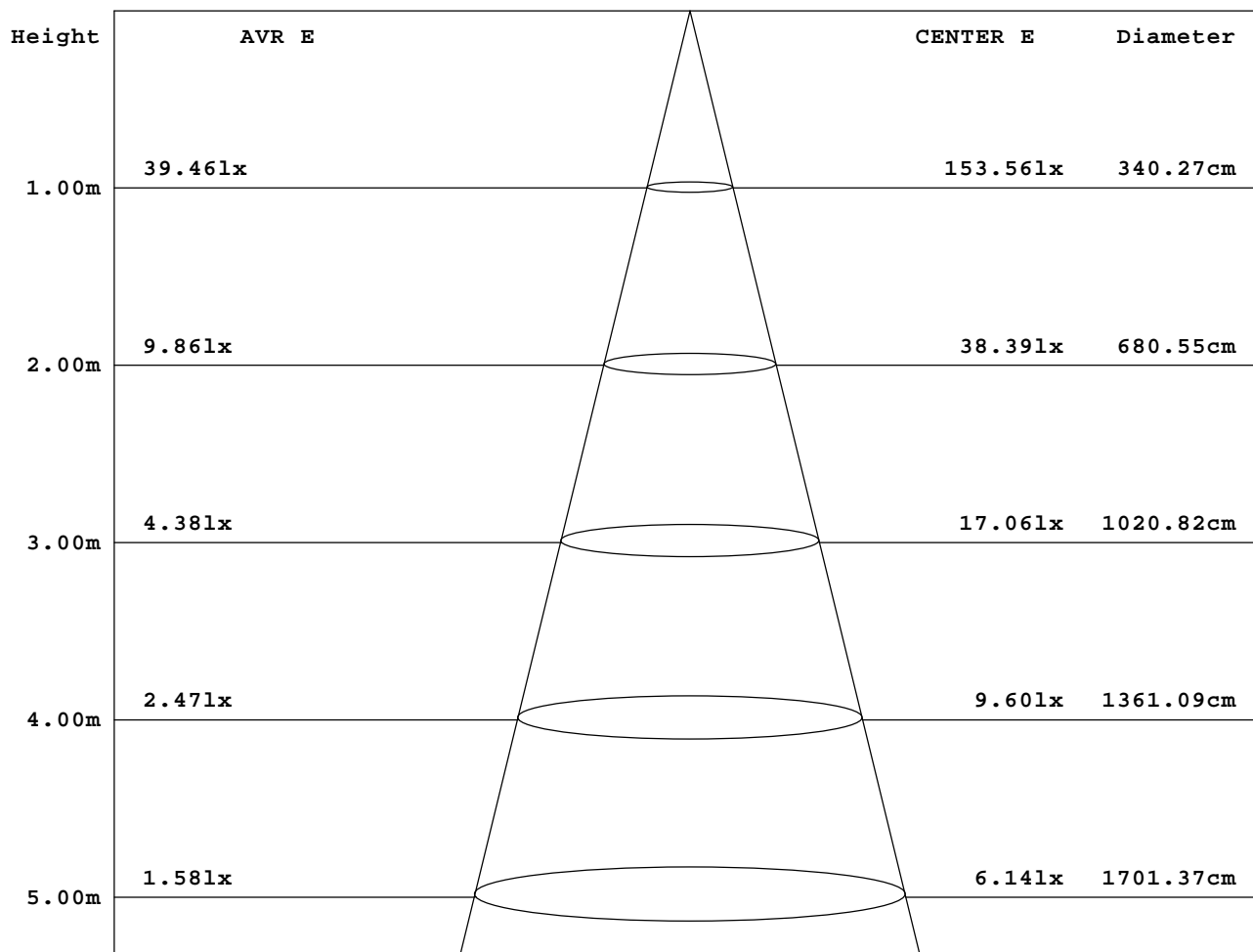
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001



Angle:119.1deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tBtal
5.0	153.6	153.9	150.6	152.9	150.0	153.7	148.1	153.0	0- 5	3.641	3.641
10.0	152.4	152.4	149.1	151.3	149.0	151.9	147.5	151.0	5- 10	10.81	14.45
15.0	150.1	149.1	147.0	146.1	146.9	148.6	143.4	148.7	10- 15	17.70	32.16
20.0	146.8	146.0	143.6	144.6	142.7	145.2	139.0	144.9	15- 20	24.03	56.20
25.0	142.3	141.2	139.6	139.9	137.2	140.3	133.1	139.8	20- 25	29.65	85.86
30.0	136.7	134.0	134.6	132.1	130.3	132.8	125.6	132.2	25- 30	34.43	120.2
35.0	130.2	126.9	129.1	125.6	123.8	125.3	118.0	126.9	30- 35	38.16	158.4
40.0	121.6	119.0	121.5	117.7	115.4	119.1	110.1	118.9	35- 40	40.76	199.2
45.0	113.6	109.3	113.3	109.4	106.0	108.9	100.2	108.4	40- 45	42.04	241.2
50.0	103.8	100.9	104.3	99.66	94.86	99.66	89.83	99.66	45- 50	42.03	283.3
55.0	92.23	89.05	94.24	88.12	84.71	87.81	79.22	88.20	50- 55	40.70	324.0
60.0	81.07	77.90	83.63	76.82	72.56	76.12	66.59	76.12	55- 60	38.02	362.0
65.0	68.45	64.58	71.63	63.57	59.55	63.57	53.82	63.50	60- 65	34.06	396.1
70.0	54.82	51.65	58.15	51.11	46.38	50.64	39.72	50.25	65- 70	28.89	425.0
75.0	40.57	37.71	41.19	36.31	32.67	36.70	24.70	36.24	70- 75	22.58	447.5
80.0	27.02	24.08	28.57	24.00	19.12	23.54	13.78	22.61	75- 80	15.60	463.1
85.0	14.71	12.31	16.88	12.39	8.750	12.15	5.653	11.46	80- 85	9.251	472.4
90.0	6.195	4.104	7.898	4.104	2.632	5.343	2.168	5.111	85- 90	4.260	476.7
95.0	4.026	1.858	4.181	1.858	2.245	4.026	2.013	4.026	90- 95	1.948	478.6
100.0	3.794	2.013	3.639	1.936	2.400	3.872	2.090	3.794	95-100	1.618	480.2
105.0	3.639	2.090	3.484	2.013	2.478	3.717	2.245	3.639	100-105	1.564	481.8
110.0	3.562	2.245	3.407	2.168	2.555	3.639	2.323	3.562	105-110	1.527	483.3
115.0	3.484	2.323	3.329	2.245	2.632	3.562	2.400	3.562	110-115	1.488	484.8
120.0	3.484	2.478	3.329	2.400	2.787	3.562	2.478	3.484	115-120	1.444	486.2
125.0	3.484	2.555	3.329	2.478	2.865	3.562	2.632	3.484	120-125	1.398	487.6
130.0	3.484	2.632	3.329	2.632	3.020	3.562	2.710	3.484	125-130	1.341	489.0
135.0	3.484	2.787	3.329	2.710	3.097	3.562	2.787	3.562	130-135	1.268	490.3
140.0	3.562	2.865	3.407	2.787	3.252	3.639	2.942	3.562	135-140	1.186	491.4
145.0	3.562	2.942	3.407	2.942	3.329	3.639	3.020	3.639	140-145	1.094	492.5
150.0	3.562	3.097	3.407	3.020	3.407	3.717	3.097	3.639	145-150	0.981	493.5
155.0	3.562	3.175	3.484	3.097	3.484	3.717	3.175	3.639	150-155	0.857	494.4
160.0	3.639	3.175	3.484	3.175	3.484	3.717	3.175	3.639	155-160	0.720	495.1
165.0	3.639	3.175	3.562	3.175	3.562	3.639	3.252	3.562	160-165	0.568	495.7
170.0	3.639	3.252	3.562	3.252	3.639	3.639	3.252	3.562	165-170	0.411	496.1
175.0	3.639	3.329	3.562	3.252	3.639	3.639	3.329	3.562	170-175	0.249	496.3
180.0	3.639	3.329	3.562	3.329	3.794	3.562	3.329	3.562	175-180	0.084	496.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

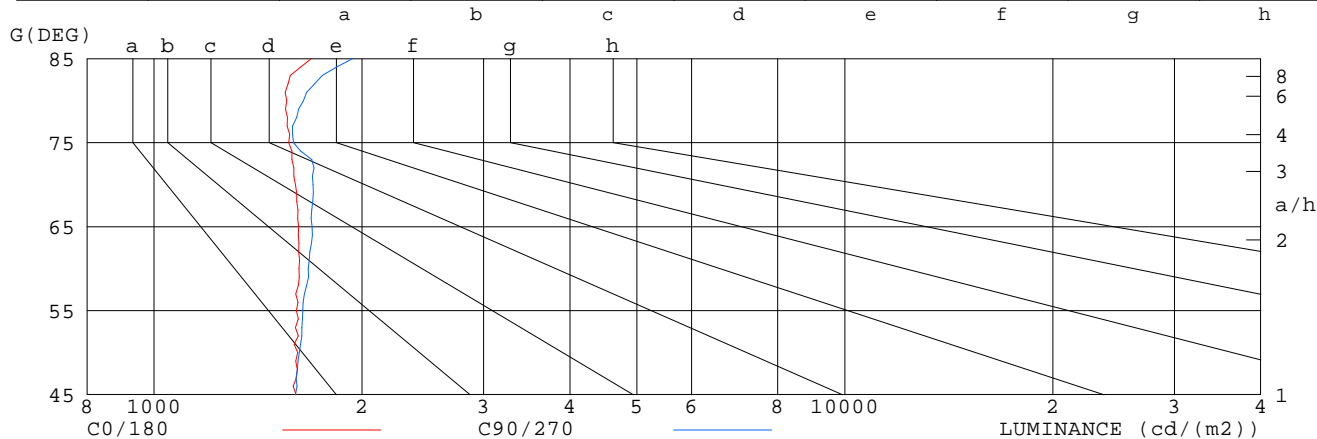
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

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



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	1688	1937
80	1556	1646
75	1568	1592
70	1603	1700
65	1620	1695
60	1622	1673
55	1608	1643
50	1616	1624
45	1607	1603

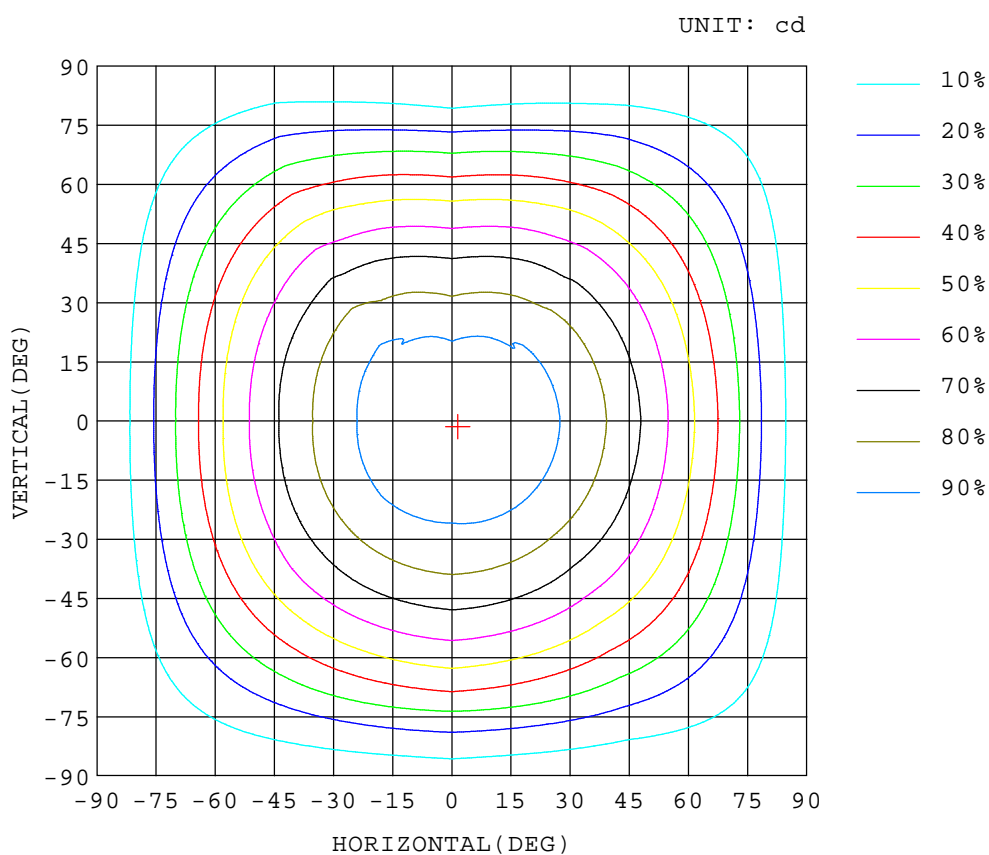
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001



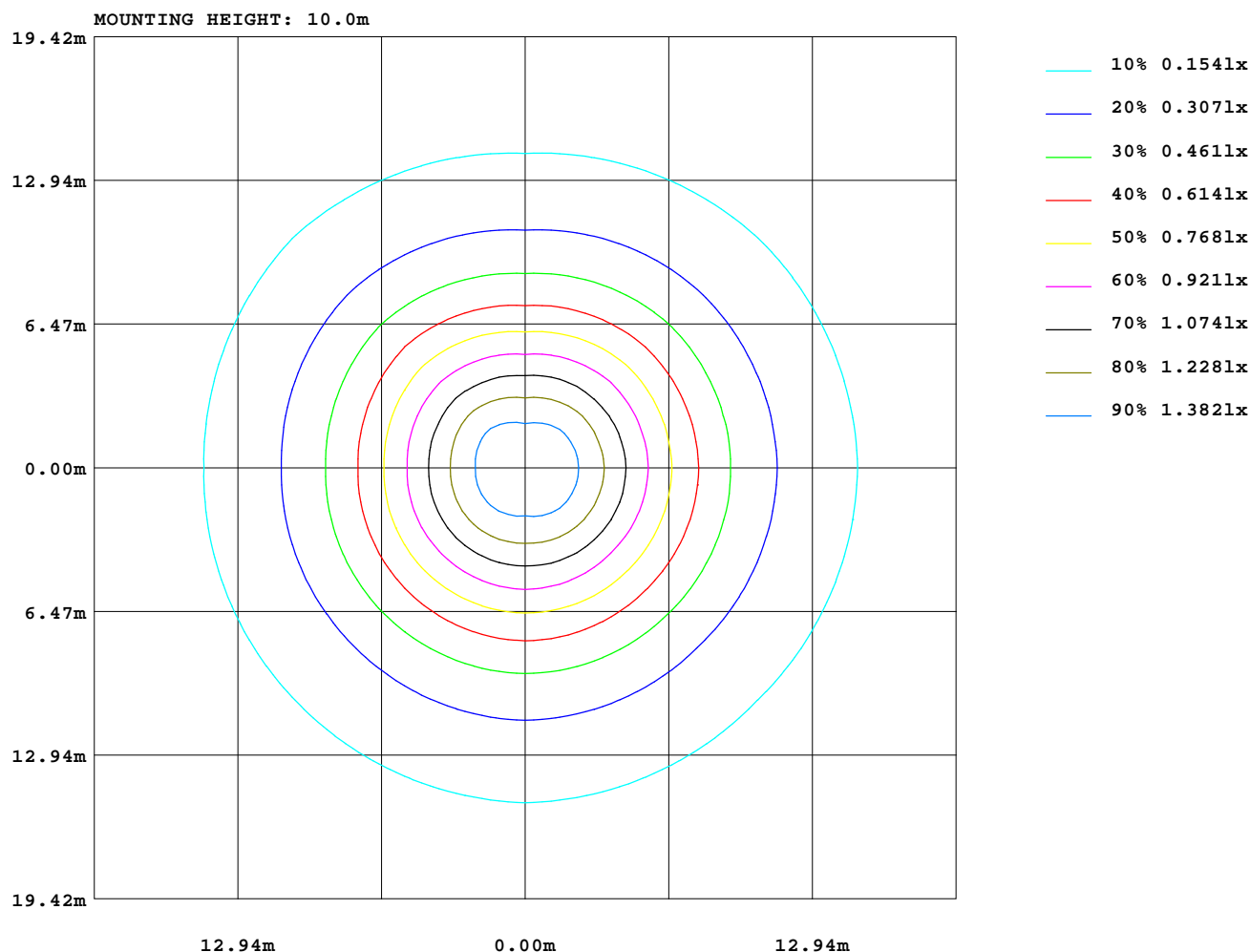
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

VERTICAL(DEG)	AREA FLUX DIAGRAM																	UNIT:lm		φ t	φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90		
90	0.01	0.04	0.08	0.14	0.21	0.24	0.25	0.24	0.22	0.21	0.24	0.24	0.23	0.20	0.16	0.11	0.06	0.02	2.88	0.16	
80	0.01	0.06	0.17	0.33	0.53	0.68	0.78	0.83	0.82	0.81	0.82	0.77	0.66	0.52	0.35	0.20	0.09	0.02	8.46	7.93	
70	0.01	0.10	0.29	0.58	0.93	1.23	1.46	1.61	1.65	1.64	1.60	1.45	1.22	0.93	0.61	0.33	0.13	0.03	15.8	15.6	
60	0.02	0.14	0.41	0.82	1.30	1.75	2.10	2.32	2.40	2.40	2.32	2.09	1.75	1.32	0.87	0.47	0.18	0.03	22.7	22.6	
50	0.02	0.18	0.53	1.03	1.62	2.21	2.66	2.95	3.06	3.06	2.95	2.66	2.21	1.66	1.09	0.59	0.22	0.04	28.7	28.7	
40	0.03	0.21	0.63	1.21	1.89	2.57	3.13	3.48	3.61	3.61	3.48	3.13	2.59	1.95	1.29	0.70	0.26	0.04	33.8	33.8	
30	0.03	0.24	0.70	1.34	2.09	2.84	3.48	3.90	4.05	4.05	3.89	3.49	2.88	2.17	1.44	0.79	0.29	0.05	37.7	37.7	
20	0.03	0.26	0.75	1.43	2.22	3.00	3.69	4.20	4.38	4.38	4.20	3.74	3.09	2.32	1.54	0.85	0.32	0.05	40.5	40.4	
10	0.03	0.27	0.77	1.47	2.27	3.08	3.77	4.31	4.57	4.57	4.36	3.87	3.20	2.41	1.60	0.88	0.33	0.05	41.8	41.8	
0	0.03	0.27	0.77	1.47	2.27	3.07	3.77	4.30	4.58	4.60	4.37	3.88	3.21	2.42	1.60	0.88	0.33	0.05	41.9	41.9	
-10	0.03	0.26	0.75	1.43	2.22	3.00	3.68	4.19	4.44	4.46	4.24	3.76	3.10	2.33	1.55	0.85	0.32	0.05	40.7	40.6	
-20	0.03	0.24	0.70	1.34	2.09	2.83	3.48	3.96	4.21	4.22	3.99	3.53	2.91	2.18	1.45	0.79	0.30	0.05	38.3	38.3	
-30	0.03	0.21	0.63	1.21	1.89	2.57	3.17	3.62	3.87	3.87	3.64	3.20	2.62	1.96	1.30	0.71	0.27	0.04	34.8	34.8	
-40	0.02	0.18	0.53	1.04	1.62	2.22	2.76	3.16	3.39	3.40	3.18	2.78	2.25	1.68	1.11	0.60	0.23	0.04	30.2	30.1	
-50	0.02	0.14	0.41	0.83	1.30	1.80	2.25	2.61	2.82	2.82	2.62	2.27	1.82	1.34	0.88	0.48	0.18	0.03	24.6	24.5	
-60	0.01	0.10	0.29	0.58	0.93	1.31	1.66	1.94	2.12	2.12	1.95	1.67	1.32	0.96	0.63	0.34	0.14	0.03	18.1	18.0	
-70	0.01	0.06	0.17	0.34	0.54	0.76	0.97	1.14	1.26	1.26	1.15	0.98	0.77	0.56	0.37	0.21	0.09	0.02	10.7	10.2	
-80	0.01	0.03	0.08	0.14	0.21	0.30	0.38	0.46	0.51	0.51	0.45	0.38	0.30	0.21	0.16	0.10	0.06	0.02	4.30	2.02	
-90																					
	φ t	0.39	2.99	8.69	16.7	26.1	35.5	43.5	49.2	52.0	52.0	49.5	43.9	36.2	27.1	18.0	9.87	3.79	0.64	496	
	φ a	0.07	2.56	8.30	16.4	25.8	35.1	43.1	48.8	51.6	51.6	49.1	43.6	35.7	26.7	17.6	9.50	3.43	0.33		470

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

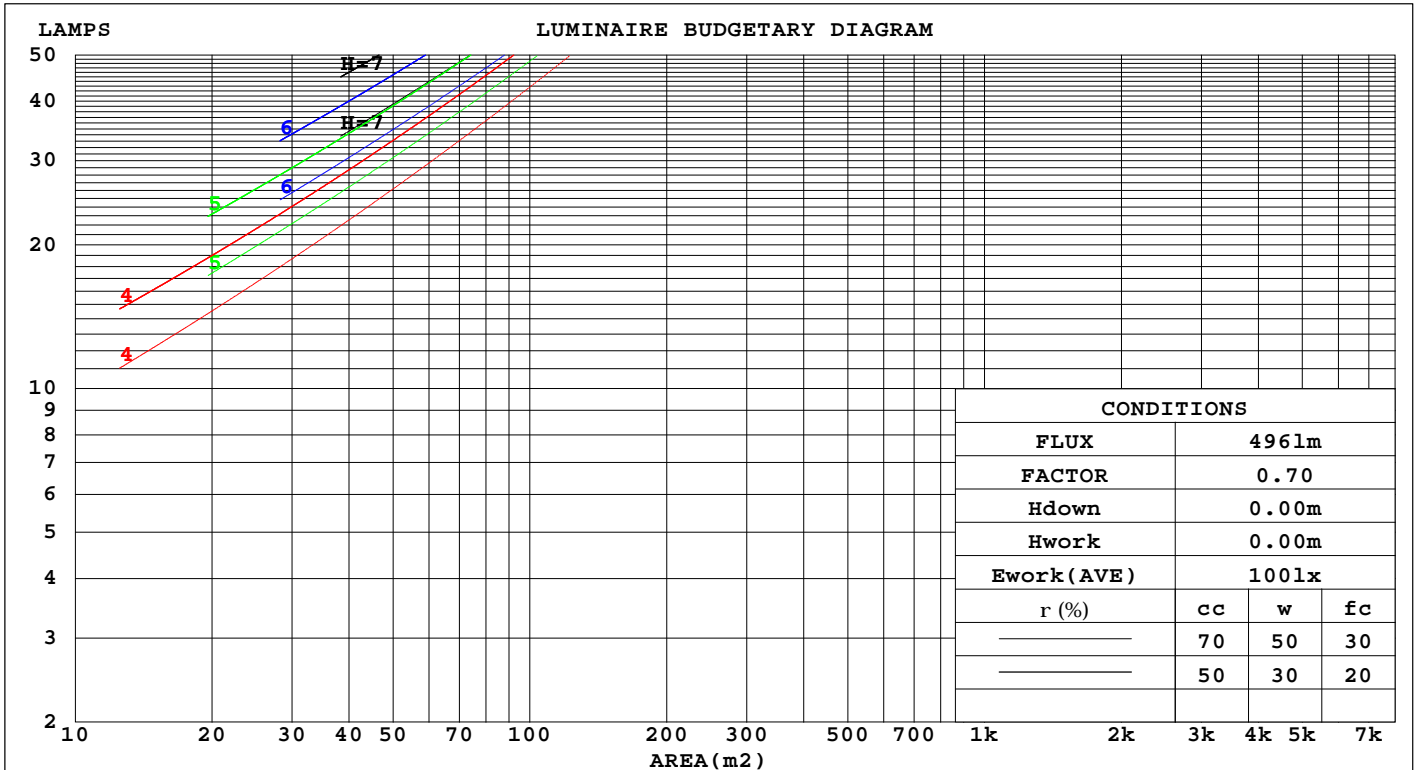
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.03	1.03	1.03	.98	.98	.98	.96
1.0	1.02	.98	.94	.99	.95	.92	.94	.91	.88	.90	.87	.85	.86	.83	.81	.79
2.0	.88	.81	.75	.86	.80	.74	.82	.76	.72	.78	.74	.70	.74	.71	.67	.65
3.0	.77	.69	.62	.75	.68	.61	.72	.65	.60	.68	.63	.58	.65	.61	.57	.54
4.0	.68	.59	.52	.67	.58	.52	.64	.56	.50	.61	.54	.49	.58	.53	.48	.46
5.0	.61	.51	.45	.59	.51	.44	.57	.49	.43	.54	.48	.43	.52	.46	.42	.39
6.0	.54	.45	.39	.53	.45	.38	.51	.43	.38	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.24	.36	.29	.24	.35	.28	.24	.34	.28	.23	.22



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.325	.185	.059	.317	.181	.057	.302	.173	.055	.287	.166	.053	.274	.159	.051	
2.0	.302	.165	.051	.294	.162	.050	.281	.156	.048	.268	.150	.047	.256	.145	.046	
3.0	.277	.148	.044	.271	.145	.044	.258	.140	.043	.247	.135	.041	.236	.131	.040	
4.0	.255	.132	.039	.249	.130	.038	.238	.126	.038	.227	.122	.037	.218	.118	.036	
5.0	.234	.119	.035	.229	.118	.034	.219	.114	.034	.210	.111	.033	.201	.108	.032	
6.0	.217	.109	.031	.212	.107	.031	.203	.104	.030	.195	.101	.030	.187	.099	.029	
7.0	.201	.100	.028	.197	.098	.028	.189	.096	.028	.182	.093	.027	.175	.091	.027	
8.0	.188	.092	.026	.184	.091	.026	.177	.088	.025	.170	.086	.025	.163	.084	.024	
9.0	.176	.085	.024	.172	.084	.024	.166	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.165	.079	.022	.162	.078	.022	.156	.076	.021	.150	.075	.021	.145	.073	.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
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.221	.221	.221	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.212	.187	.164	.181	.160	.141	.124	.110	.097	.071	.064	.057	.023	.021	.018	
2.0	.204	.163	.128	.175	.140	.110	.120	.097	.077	.069	.056	.045	.022	.018	.015	
3.0	.197	.145	.104	.169	.125	.090	.116	.087	.063	.067	.051	.037	.021	.017	.012	
4.0	.189	.132	.089	.162	.114	.077	.112	.080	.054	.065	.047	.032	.021	.015	.011	
5.0	.182	.122	.078	.156	.105	.068	.108	.074	.048	.062	.043	.028	.020	.014	.009	
6.0	.175	.114	.070	.150	.098	.061	.104	.069	.043	.060	.041	.026	.019	.013	.008	
7.0	.168	.107	.064	.144	.093	.056	.100	.065	.040	.058	.038	.024	.019	.013	.008	
8.0	.161	.101	.060	.139	.088	.052	.096	.062	.037	.056	.036	.022	.018	.012	.007	
9.0	.155	.096	.056	.134	.084	.049	.093	.059	.035	.054	.035	.021	.017	.011	.007	
10.0	.149	.092	.054	.129	.080	.047	.089	.056	.033	.052	.033	.020	.017	.011	.007	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: 2835 64D 24V 6.5W 3000K 80					TYPE: LED Strip			WEIGHT:		
SPECIFICATION: 2835/64D			CCT(K): 3000		DIMENSION: 0.5M*0.008M			SERIAL No.: 20230213001		
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	14.5	16.0	14.8	16.3	16.6	14.6	16.1	14.9	16.4	16.7
3H	16.3	17.7	16.6	18.0	18.3	16.5	17.8	16.8	18.2	18.5
4H	17.0	18.3	17.4	18.7	19.0	17.2	18.5	17.6	18.9	19.2
6H	17.6	18.9	18.0	19.2	19.6	17.8	19.1	18.2	19.4	19.8
8H	17.9	19.1	18.3	19.4	19.8	18.1	19.3	18.5	19.7	20.0
12H	18.1	19.2	18.5	19.6	20.0	18.3	19.5	18.8	19.9	20.3
4H 2H	15.1	16.5	15.5	16.8	17.1	15.2	16.5	15.6	16.9	17.2
3H	17.1	18.2	17.5	18.6	19.0	17.2	18.4	17.7	18.8	19.2
4H	18.0	19.0	18.4	19.4	19.8	18.1	19.2	18.6	19.6	20.0
6H	18.7	19.7	19.2	20.1	20.5	18.9	19.8	19.4	20.3	20.7
8H	19.0	19.9	19.5	20.3	20.8	19.2	20.1	19.7	20.5	21.0
12H	19.3	20.1	19.8	20.5	21.0	19.5	20.3	20.0	20.8	21.3
8H 4H	18.3	19.1	18.7	19.6	20.1	18.4	19.3	18.9	19.7	20.2
6H	19.2	19.9	19.7	20.4	20.9	19.3	20.1	19.8	20.5	21.1
8H	19.6	20.2	20.1	20.7	21.3	19.8	20.4	20.3	20.9	21.5
12H	20.0	20.5	20.5	21.0	21.6	20.2	20.8	20.8	21.3	21.9
12H 4H	18.3	19.1	18.8	19.6	20.0	18.4	19.2	18.9	19.7	20.2
6H	19.3	19.9	19.8	20.4	20.9	19.4	20.1	19.9	20.5	21.1
8H	19.7	20.3	20.3	20.8	21.4	19.9	20.5	20.4	21.0	21.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 496.4 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

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	55	43	36	54	43	36	53	42	35	29
0.80	65	53	45	64	52	45	61	51	44	37
1.00	73	62	54	72	61	54	69	62	53	45
1.25	80	69	62	79	68	61	75	67	60	52
1.50	85	75	68	83	74	67	80	72	66	57
2.00	92	83	76	90	82	76	86	79	74	65
2.50	97	88	82	94	87	81	90	83	78	69
3.00	100	93	87	98	91	85	93	87	83	73
4.00	104	98	93	101	96	91	97	92	88	78
5.00	107	102	97	104	99	95	99	95	92	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

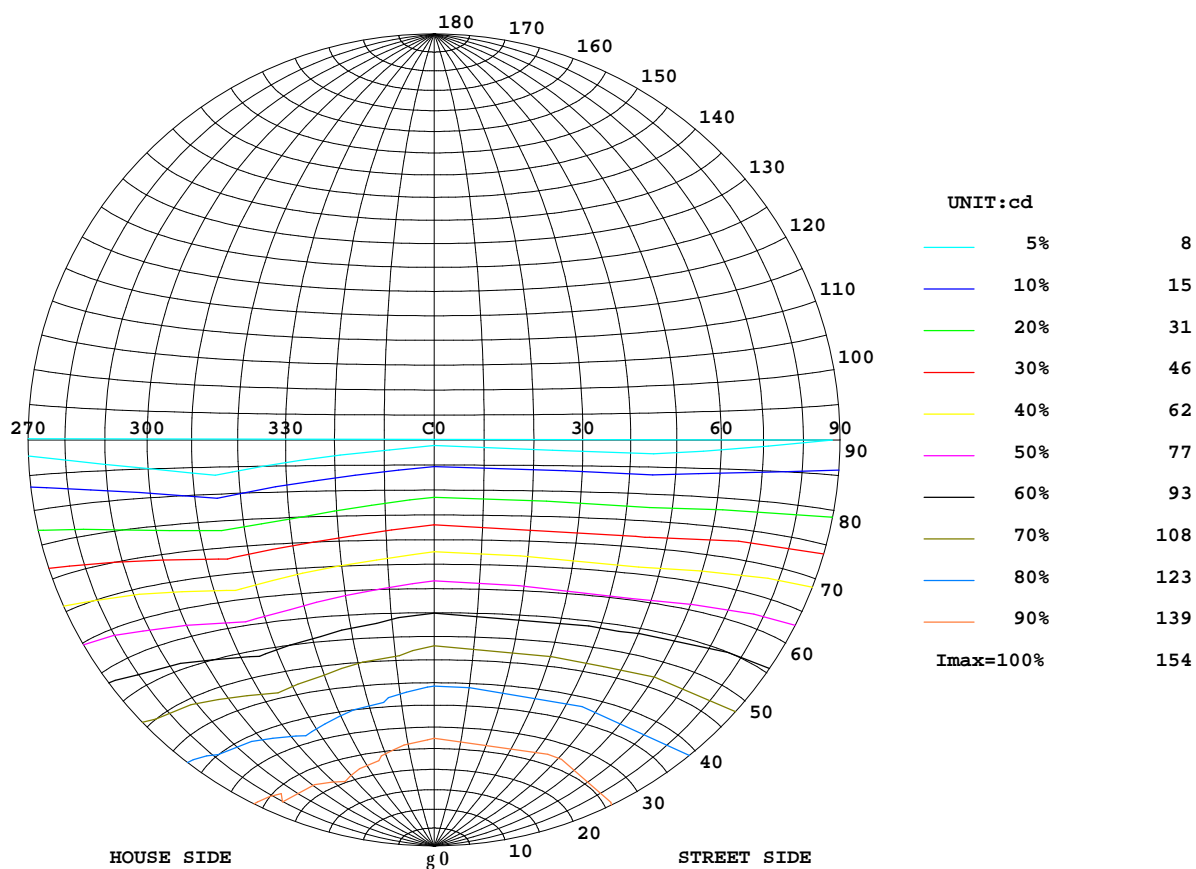
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

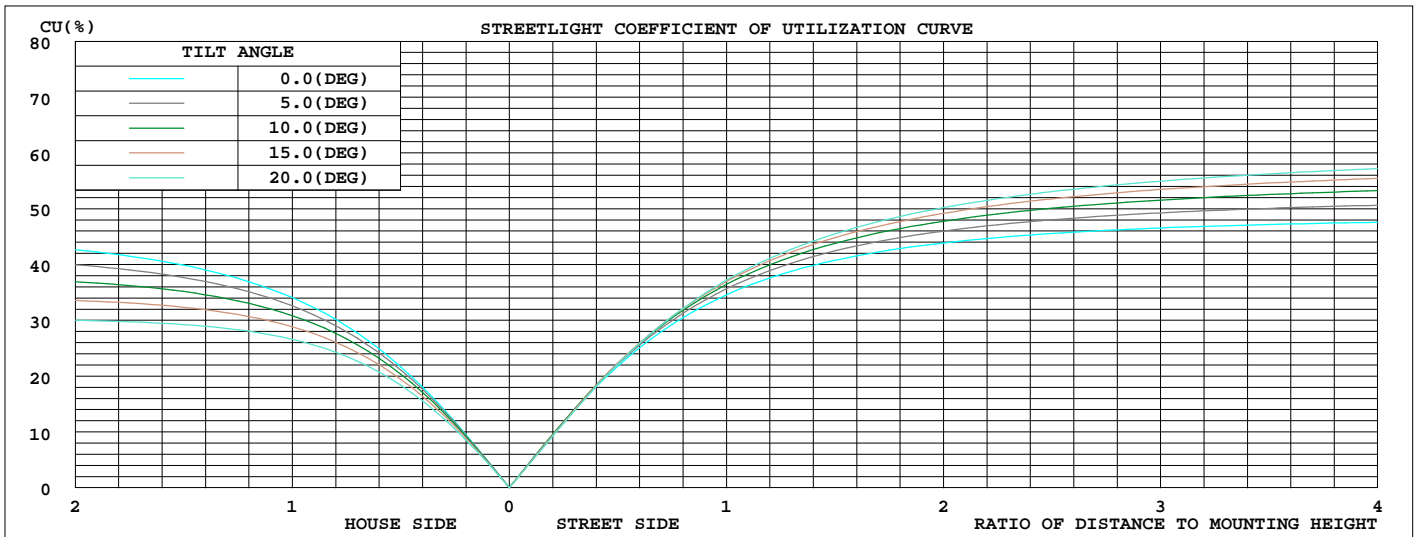
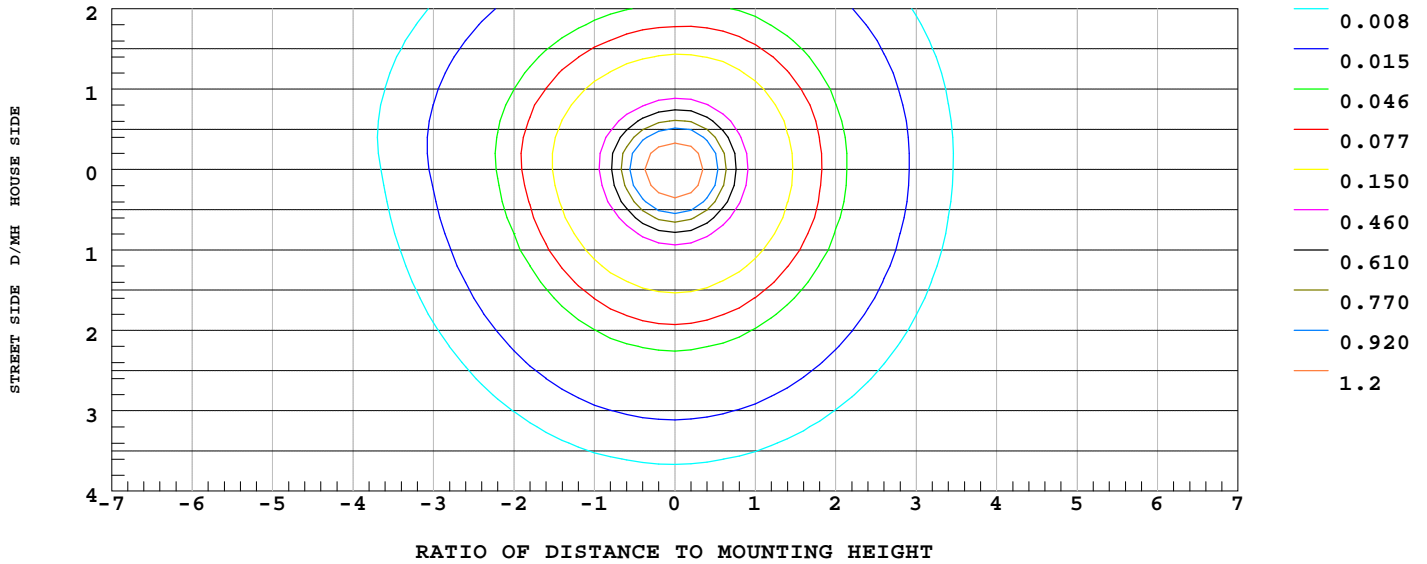
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

ILLUMINANCE AT MH=10 m, Enadir = 1.54 lx



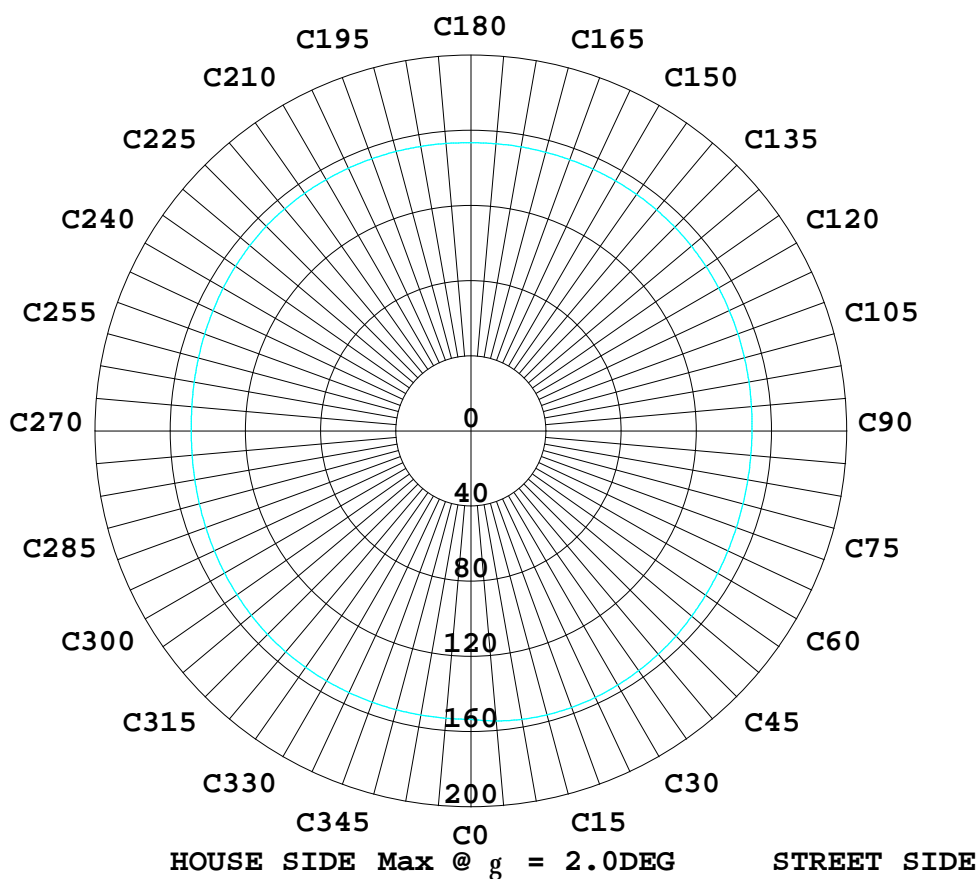
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: 2835 64D 24V 6.5W 3000K 80		TYPE: LED Strip	WEIGHT:
SPECIFICATION: 2835/64D	CCT(K): 3000	DIMENSION: 0.5M*0.008M	SERIAL No.: 20230213001

UNIT: cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	154	151	149	152	154	151	149	152
5.0	154	154	151	153	150	154	148	153
10.0	152	152	149	151	149	152	148	151
15.0	150	149	147	146	147	149	143	149
20.0	147	146	144	145	143	145	139	145
25.0	142	141	140	140	137	140	133	140
30.0	137	134	135	132	130	133	126	132
35.0	130	127	129	126	124	125	118	127
40.0	122	119	122	118	115	119	110	119
45.0	114	109	113	109	106	109	100	108
50.0	104	101	104	99.6	94.8	99.6	89.8	99.6
55.0	92.2	89.0	94.2	88.1	84.7	87.8	79.2	88.2
60.0	81.0	77.9	83.6	76.8	72.5	76.1	66.5	76.1
65.0	68.4	64.5	71.6	63.5	59.5	63.5	53.8	63.5
70.0	54.8	51.6	58.1	51.1	46.3	50.6	39.7	50.2
75.0	40.5	37.7	41.1	36.3	32.6	36.7	24.7	36.2
80.0	27.0	24.0	28.5	24.0	19.1	23.5	13.7	22.6
85.0	14.7	12.3	16.8	12.3	8.75	12.1	5.65	11.4
90.0	6.19	4.10	7.89	4.10	2.63	5.34	2.16	5.11
95.0	4.02	1.85	4.18	1.85	2.24	4.02	2.01	4.02
100.0	3.79	2.01	3.63	1.93	2.40	3.87	2.09	3.79
105.0	3.63	2.09	3.48	2.01	2.47	3.71	2.24	3.63
110.0	3.56	2.24	3.40	2.16	2.55	3.63	2.32	3.56
115.0	3.48	2.32	3.32	2.24	2.63	3.56	2.40	3.56
120.0	3.48	2.47	3.32	2.40	2.78	3.56	2.47	3.48
125.0	3.48	2.55	3.32	2.47	2.86	3.56	2.63	3.48
130.0	3.48	2.63	3.32	2.63	3.02	3.56	2.71	3.48
135.0	3.48	2.78	3.32	2.71	3.09	3.56	2.78	3.56
140.0	3.56	2.86	3.40	2.78	3.25	3.63	2.94	3.56
145.0	3.56	2.94	3.40	2.94	3.32	3.63	3.02	3.63
150.0	3.56	3.09	3.40	3.02	3.40	3.71	3.09	3.63
155.0	3.56	3.17	3.48	3.09	3.48	3.71	3.17	3.63
160.0	3.63	3.17	3.48	3.17	3.48	3.71	3.17	3.63
165.0	3.63	3.17	3.56	3.17	3.56	3.63	3.25	3.56
170.0	3.63	3.25	3.56	3.25	3.63	3.63	3.25	3.56
175.0	3.63	3.32	3.56	3.25	3.63	3.63	3.32	3.56
180.0	3.63	3.32	3.56	3.32	3.79	3.56	3.32	3.56

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年02月13日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks: