

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P774187

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11127.7 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

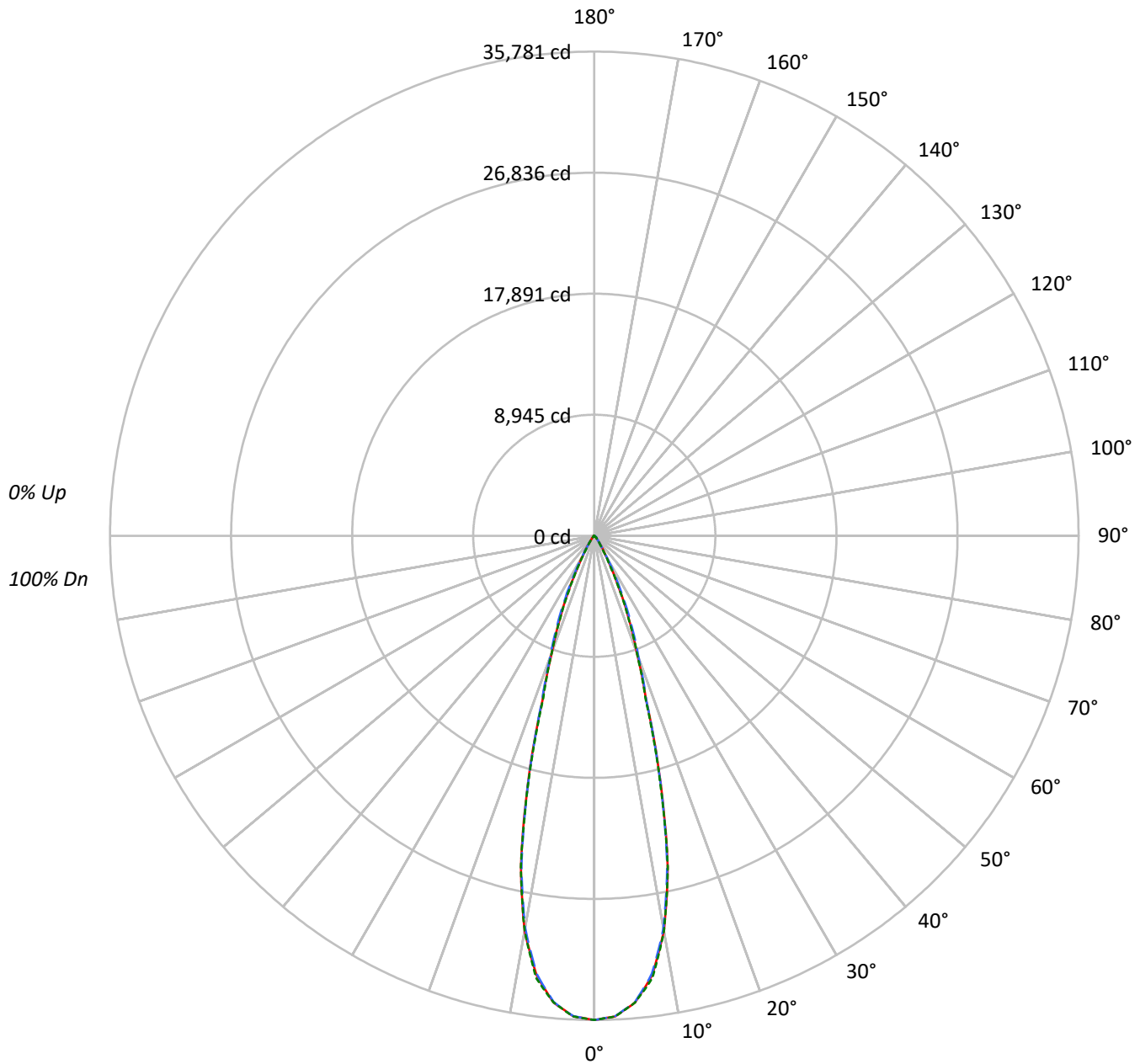


Downlight

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2738799	2738799	2738799
5°	2660178	2657073	2660308
10°	2304118	2287866	2303567
15°	1503322	1495247	1487726
20°	747528	775581	746526
25°	376557	424629	368838
30°	150767	164272	131357
35°	69932	66970	56140
40°	30196	33523	28437
45°	21303	26434	21487
50°	7323	19243	7740
55°	4217	7967	4457
60°	2955	3490	2955
65°	1902	1902	1902
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26434 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3146.4	28.3
10°-20°	5067.3	45.5
20°-30°	2189.7	19.7
30°-40°	499.1	4.5
40°-50°	171.4	1.5
50°-60°	41.9	0.4
60°-70°	10.8	0.1
70°-80°	1.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10403.4	93.5
0°-40°	10902.5	98.0
0°-60°	11115.7	99.9
0°-90°	11127.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11127.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35781	35781	35781	35781	35781	
5°	34622	34588	34581	34653	34623	3149
15°	18971	18742	18869	18808	18774	5080
25°	4459	4627	5028	4510	4367	2134
35°	748	764	717	712	601	508
45°	197	244	244	244	198	140
55°	32	33	60	35	33	31
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35781.0	35781.0	35781.0	35781.0	35781.0
2.5°	35543.9	35519.3	35533.3	35550.9	35557.9
5°	34621.6	34588.2	34581.2	34653.2	34623.3
7.5°	32761.2	32713.8	32641.8	32805.1	32958.0
10°	29644.8	29592.1	29435.7	29513.0	29637.7
12.5°	25043.9	24873.5	24870.0	25115.9	25082.6
15°	18970.9	18742.5	18869.0	18807.5	18774.1
17.5°	12757.4	12669.5	12838.2	12787.2	12567.6
20°	9177.1	9200.0	9521.5	9359.8	9164.8
22.5°	6696.6	6779.2	7160.4	6744.1	6591.2
25°	4458.6	4627.2	5027.8	4509.5	4367.2
27.5°	2742.3	2819.5	3225.4	2707.1	2629.8
30°	1705.8	1667.1	1858.6	1595.1	1486.2
32.5°	1119.0	1069.8	1131.3	1015.4	927.6
35°	748.4	764.2	716.7	711.5	600.8
37.5°	467.3	537.6	474.3	505.9	386.5
40°	302.2	390.0	335.5	370.7	284.6
42.5°	247.7	300.4	275.8	293.4	253.0
45°	196.8	244.2	244.2	244.2	198.5
47.5°	108.9	163.4	209.1	166.9	115.9
50°	61.5	82.6	161.6	86.1	65.0
52.5°	42.2	47.4	110.7	49.2	43.9
55°	31.6	33.4	59.7	35.1	33.4
57.5°	24.6	26.4	31.6	26.4	24.6
60°	19.3	19.3	22.8	21.1	19.3
62.5°	14.1	14.1	15.8	14.1	14.1
65°	10.5	10.5	10.5	10.5	10.5
67.5°	5.3	7.0	7.0	7.0	7.0
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)