

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: P772683

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772683
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: LD6D85BD010-EU6DR3070959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11831.2 lumens
Efficiency: N/A
Efficacy: 134.9 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): 87.7
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

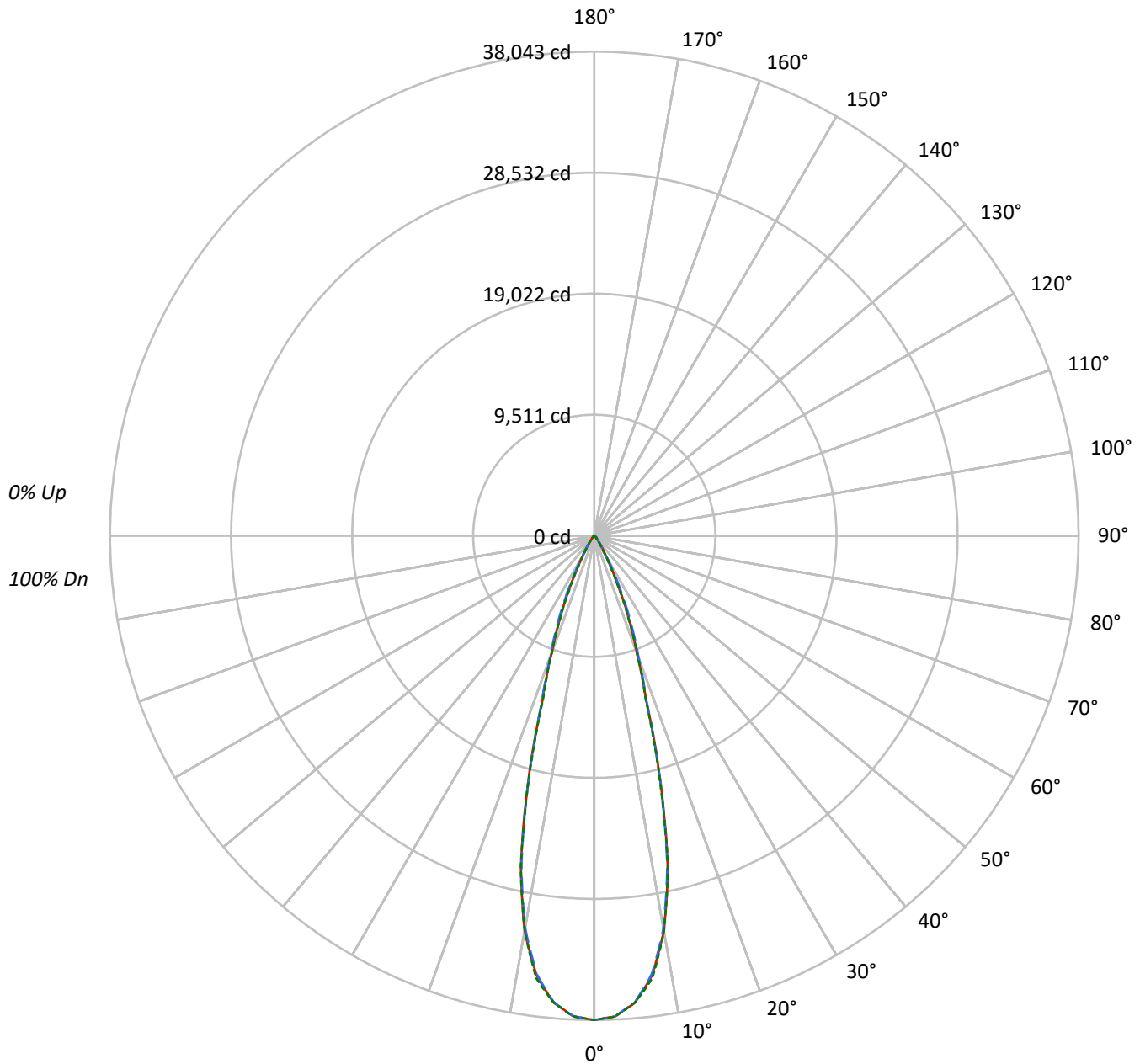


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2911948	2911948	2911948
5°	2828348	2825052	2828494
10°	2449781	2432503	2449198
15°	1598358	1589776	1581781
20°	794788	824609	793721
25°	400357	451470	392156
30°	160294	174657	139657
35°	74352	71212	59691
40°	32104	35642	30236
45°	22646	28101	22851
50°	7788	20458	8228
55°	4484	8474	4737
60°	3138	3720	3138
65°	2029	2029	2029
70°	1253	828	1253
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28101 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3345.3	28.3
10°-20°	5387.7	45.5
20°-30°	2328.2	19.7
30°-40°	530.6	4.5
40°-50°	182.2	1.5
50°-60°	44.5	0.4
60°-70°	11.5	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°	11061.1	93.5
0°-40°	11591.8	98.0
0°-60°	11818.4	99.9
0°-90°	11831.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11831.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38043	38043	38043	38043	38043	
5°	36810	36775	36767	36844	36812	3348
15°	20170	19927	20062	19996	19961	5401
25°	4740	4920	5346	4795	4643	2269
35°	796	812	762	756	639	540
45°	209	260	260	260	211	148
55°	34	36	64	37	36	33
65°	11	11	11	11	11	11
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°	38043.1	38043.1	38043.1	38043.1	38043.1
2.5°	37790.9	37764.8	37779.7	37798.4	37805.9
5°	36810.3	36774.9	36767.4	36844.0	36812.2
7.5°	34832.4	34781.9	34705.4	34879.1	35041.6
10°	31518.9	31462.9	31296.6	31378.8	31511.4
12.5°	26627.2	26446.0	26442.3	26703.8	26668.3
15°	20170.2	19927.4	20061.9	19996.5	19961.0
17.5°	13563.9	13470.5	13649.8	13595.6	13362.1
20°	9757.3	9781.6	10123.4	9951.6	9744.2
22.5°	7120.0	7207.8	7613.1	7170.4	7007.9
25°	4740.4	4919.8	5345.6	4794.6	4643.3
27.5°	2915.6	2997.8	3429.3	2878.3	2796.1
30°	1813.6	1772.5	1976.1	1696.0	1580.1
32.5°	1189.8	1137.5	1202.9	1079.6	986.2
35°	795.7	812.5	762.1	756.5	638.8
37.5°	496.8	571.5	504.3	537.9	410.9
40°	321.3	414.6	356.7	394.1	302.6
42.5°	263.4	319.4	293.2	311.9	269.0
45°	209.2	259.6	259.6	259.6	211.1
47.5°	115.8	173.7	222.3	177.4	123.3
50°	65.4	87.8	171.8	91.5	69.1
52.5°	44.8	50.4	117.7	52.3	46.7
55°	33.6	35.5	63.5	37.4	35.5
57.5°	26.1	28.0	33.6	28.0	26.1
60°	20.5	20.5	24.3	22.4	20.5
62.5°	14.9	14.9	16.8	14.9	14.9
65°	11.2	11.2	11.2	11.2	11.2
67.5°	5.6	7.5	7.5	7.5	7.5
70°	5.6	3.7	3.7	3.7	5.6
72.5°	3.7	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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)