

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: P771097

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771097
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: LD6D75BD010-EU6DR3070959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9305.0 lumens
Efficiency: N/A
Efficacy: 128.5 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): 72.4
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

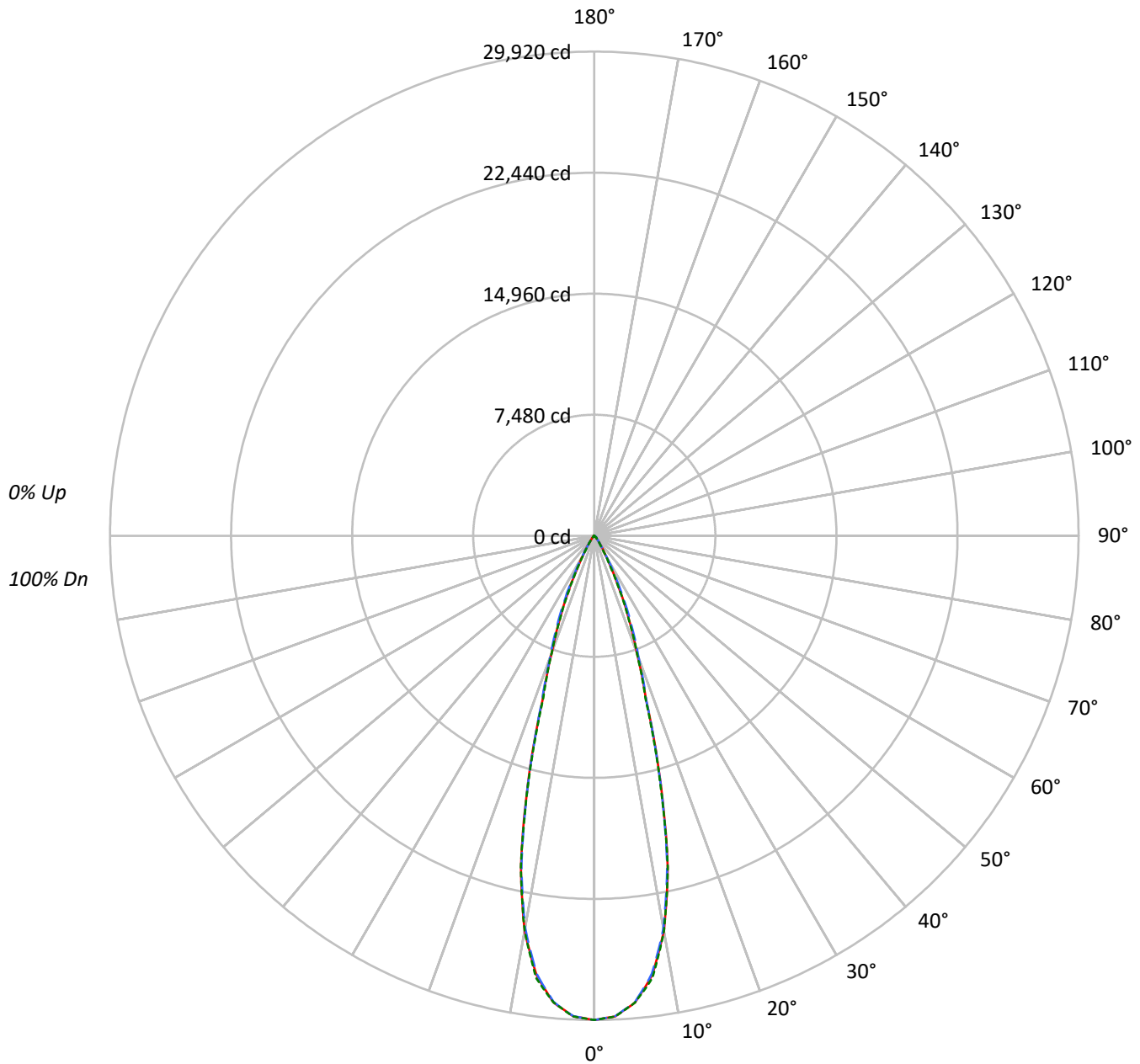


Downlight

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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	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°	2290178	2290178	2290178
5°	2224434	2221837	2224542
10°	1926697	1913111	1926239
15°	1257072	1250321	1244037
20°	625084	648535	624245
25°	314870	355071	308426
30°	126072	137368	109836
35°	58476	56000	46945
40°	25250	28038	23781
45°	17807	22104	17969
50°	6121	16088	6478
55°	3523	6659	3723
60°	2480	2924	2480
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22104 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2631.0	28.3
10°-20°	4237.3	45.5
20°-30°	1831.0	19.7
30°-40°	417.3	4.5
40°-50°	143.3	1.5
50°-60°	35.0	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8699.3	93.5
0°-40°	9116.6	98.0
0°-60°	9294.9	99.9
0°-90°	9305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29920	29920	29920	29920	29920	
5°	28950	28923	28917	28977	28952	2633
15°	15863	15672	15778	15727	15699	4248
25°	3728	3869	4204	3771	3652	1785
35°	626	639	599	595	502	424
45°	164	204	204	204	166	117
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	29920.0	29920.0	29920.0	29920.0	29920.0
2.5°	29721.7	29701.1	29712.9	29727.5	29733.4
5°	28950.5	28922.6	28916.7	28976.9	28951.9
7.5°	27394.8	27355.2	27294.9	27431.5	27559.3
10°	24788.9	24744.8	24614.1	24678.7	24783.0
12.5°	20941.6	20799.1	20796.2	21001.9	20974.0
15°	15863.4	15672.4	15778.2	15726.8	15698.9
17.5°	10667.7	10594.2	10735.2	10692.6	10509.0
20°	7673.9	7693.0	7961.8	7826.7	7663.6
22.5°	5599.7	5668.8	5987.5	5639.4	5511.6
25°	3728.2	3869.3	4204.2	3770.8	3651.9
27.5°	2293.1	2357.7	2697.0	2263.7	2199.0
30°	1426.4	1394.1	1554.2	1333.8	1242.7
32.5°	935.7	894.6	946.0	849.1	775.6
35°	625.8	639.0	599.3	594.9	502.4
37.5°	390.7	449.5	396.6	423.1	323.2
40°	252.7	326.1	280.6	310.0	238.0
42.5°	207.1	251.2	230.6	245.3	211.5
45°	164.5	204.2	204.2	204.2	166.0
47.5°	91.1	136.6	174.8	139.6	97.0
50°	51.4	69.0	135.1	72.0	54.4
52.5°	35.3	39.7	92.5	41.1	36.7
55°	26.4	27.9	49.9	29.4	27.9
57.5°	20.6	22.0	26.4	22.0	20.6
60°	16.2	16.2	19.1	17.6	16.2
62.5°	11.8	11.8	13.2	11.8	11.8
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)