

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: P771652

Luminaire Tested: LD6D75BD010-EU6DR6570959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8302.7 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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

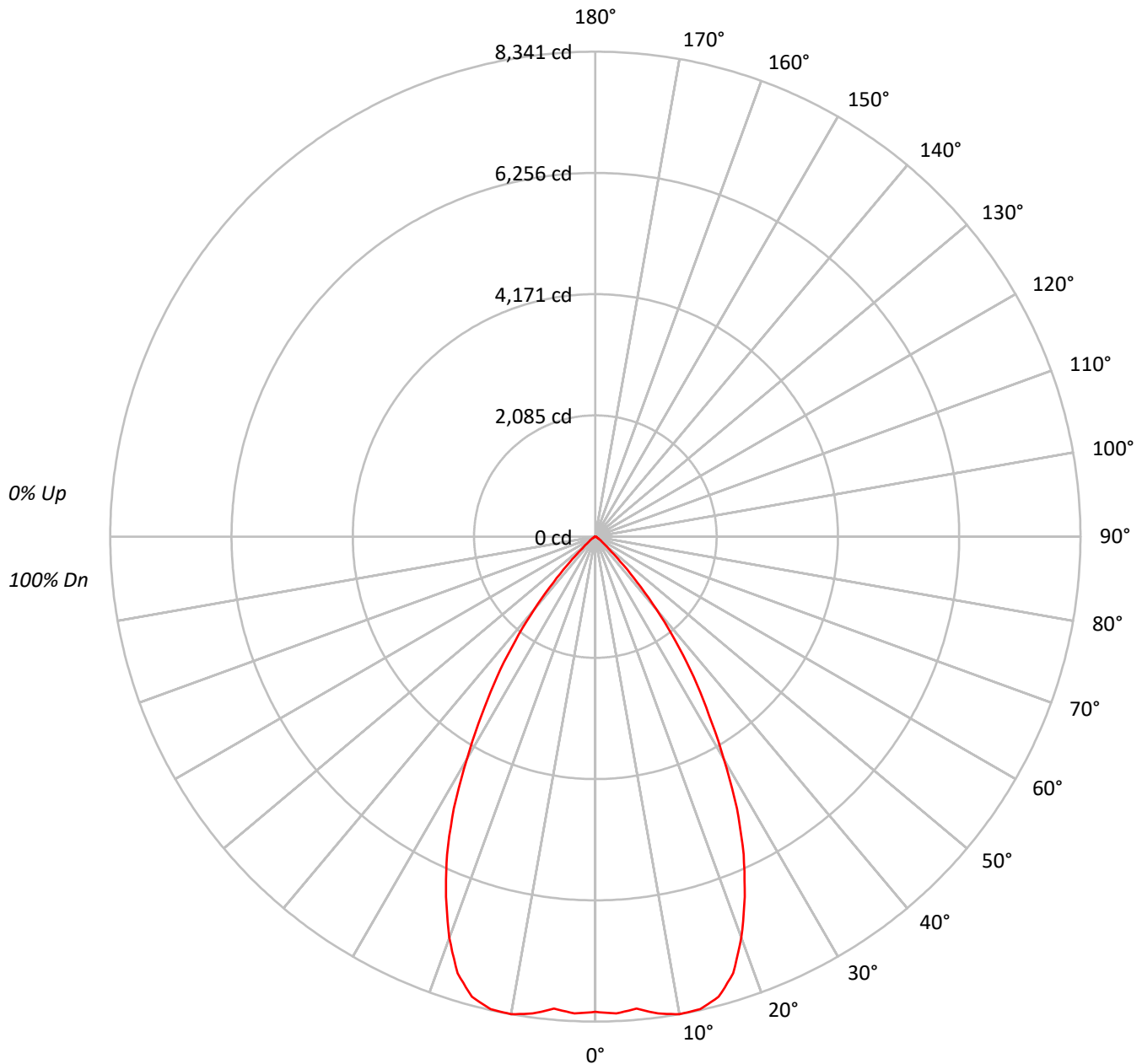


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	893174
5°	893910
10°	925381
15°	926910
20°	853373
25°	727121
30°	556633
35°	393252
40°	232130
45°	94241
50°	34166
55°	19030
60°	10926
65°	5998
70°	6293
75°	4897
80°	5097
85°	4388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.1	9.5
10°-20°	2270.6	27.3
20°-30°	2724.3	32.8
30°-40°	1830.8	22.1
40°-50°	548.0	6.6
50°-60°	96.7	1.2
60°-70°	27.5	0.3
70°-80°	13.5	0.2
80°-90°	4.3	0.1
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°	5782.0	69.6
0°-40°	7612.7	91.7
0°-60°	8257.5	99.5
0°-90°	8302.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8302.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8175	
5°	8150	787
15°	8194	2271
25°	6031	2724
35°	2948	1831
45°	610	548
55°	100	97
65°	23	27
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8174.7
2.5°	8209.5
5°	8150.3
7.5°	8273.4
10°	8340.8
12.5°	8324.5
15°	8194.4
17.5°	7876.1
20°	7339.4
22.5°	6707.5
25°	6031.4
27.5°	5268.2
30°	4412.0
32.5°	3636.0
35°	2948.3
37.5°	2268.7
40°	1627.5
42.5°	1062.9
45°	609.9
47.5°	322.9
50°	201.0
52.5°	139.4
55°	99.9
57.5°	72.0
60°	50.0
62.5°	32.5
65°	23.2
67.5°	20.9
70°	19.7
72.5°	15.1
75°	11.6
77.5°	10.5
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)