

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: P761639

Luminaire Tested: LD6D15D010-EU6DR600215IC9027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1068.1 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



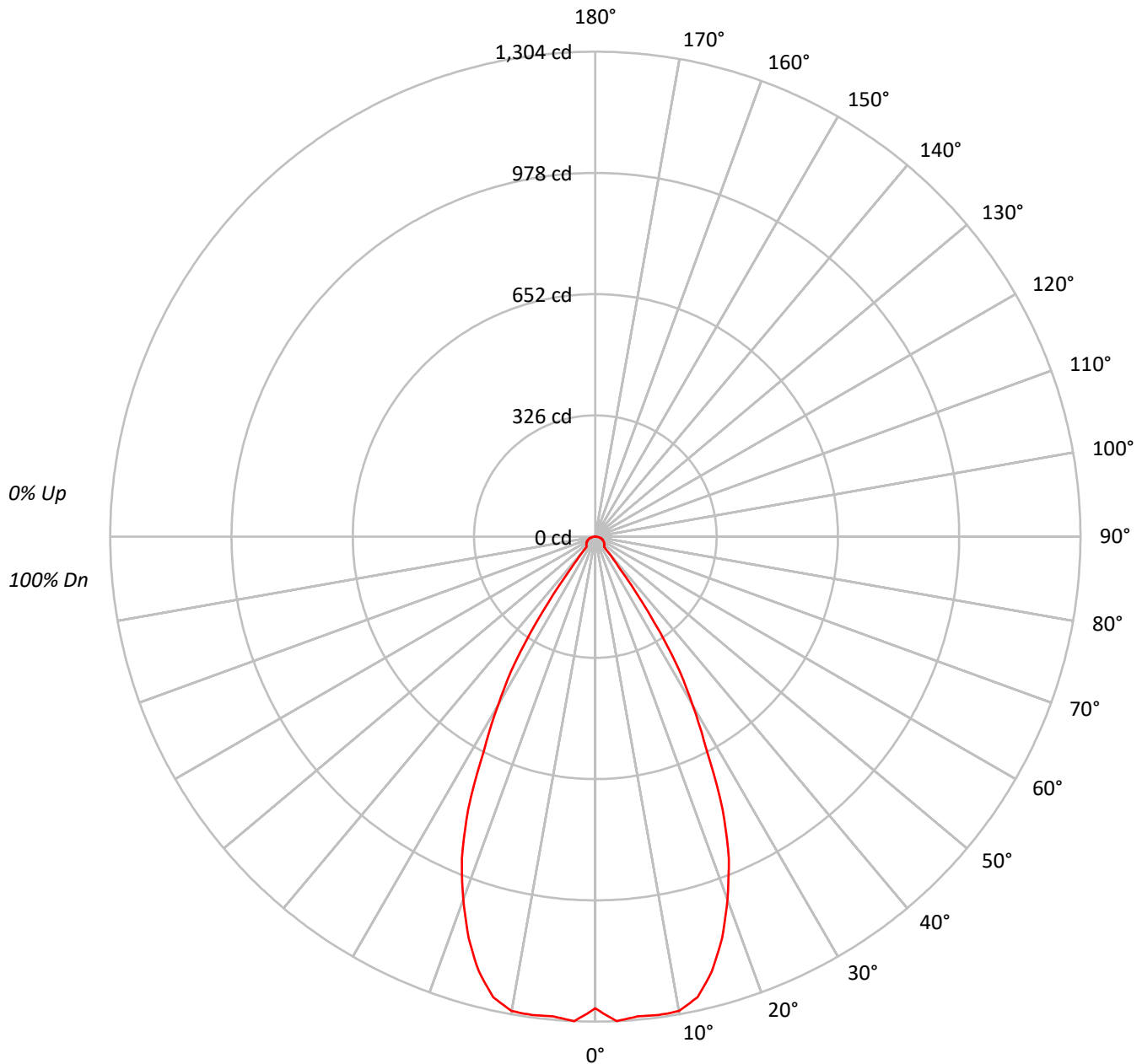
Downlight



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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138597
5°	142011
10°	143720
15°	136914
20°	120714
25°	97638
30°	66047
35°	33092
40°	5363
45°	5254
50°	5354
55°	5429
60°	5594
65°	5714
70°	5846
75°	5910
80°	5726
85°	4764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 5910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	11.6
10°-20°	334.8	31.3
20°-30°	360.2	33.7
30°-40°	156.6	14.7
40°-50°	26.3	2.5
50°-60°	25.6	2.4
60°-70°	21.9	2.0
70°-80°	14.6	1.4
80°-90°	4.4	0.4
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°	818.8	76.7
0°-40°	975.4	91.3
0°-60°	1027.2	96.2
0°-90°	1068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1068.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1268	
5°	1295	124
15°	1210	335
25°	810	360
35°	248	157
45°	34	26
55°	28	26
65°	22	22
75°	14	15
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1268.5
2.5°	1304.2
5°	1294.8
7.5°	1297.7
10°	1295.4
12.5°	1268.7
15°	1210.4
17.5°	1132.2
20°	1038.2
22.5°	937.7
25°	809.9
27.5°	647.8
30°	523.5
32.5°	403.5
35°	248.1
37.5°	106.2
40°	37.6
42.5°	34.7
45°	34.0
47.5°	32.8
50°	31.5
52.5°	30.0
55°	28.5
57.5°	27.1
60°	25.6
62.5°	23.9
65°	22.1
67.5°	20.3
70°	18.3
72.5°	16.2
75°	14.0
77.5°	11.6
80°	9.1
82.5°	6.4
85°	3.8
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)