

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: P761652

Luminaire Tested: LD6D15D010-EU6DR600215IC9030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761652
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-EU6DR600215IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1102.9 lumens
Efficiency: N/A
Efficacy: 69.8 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



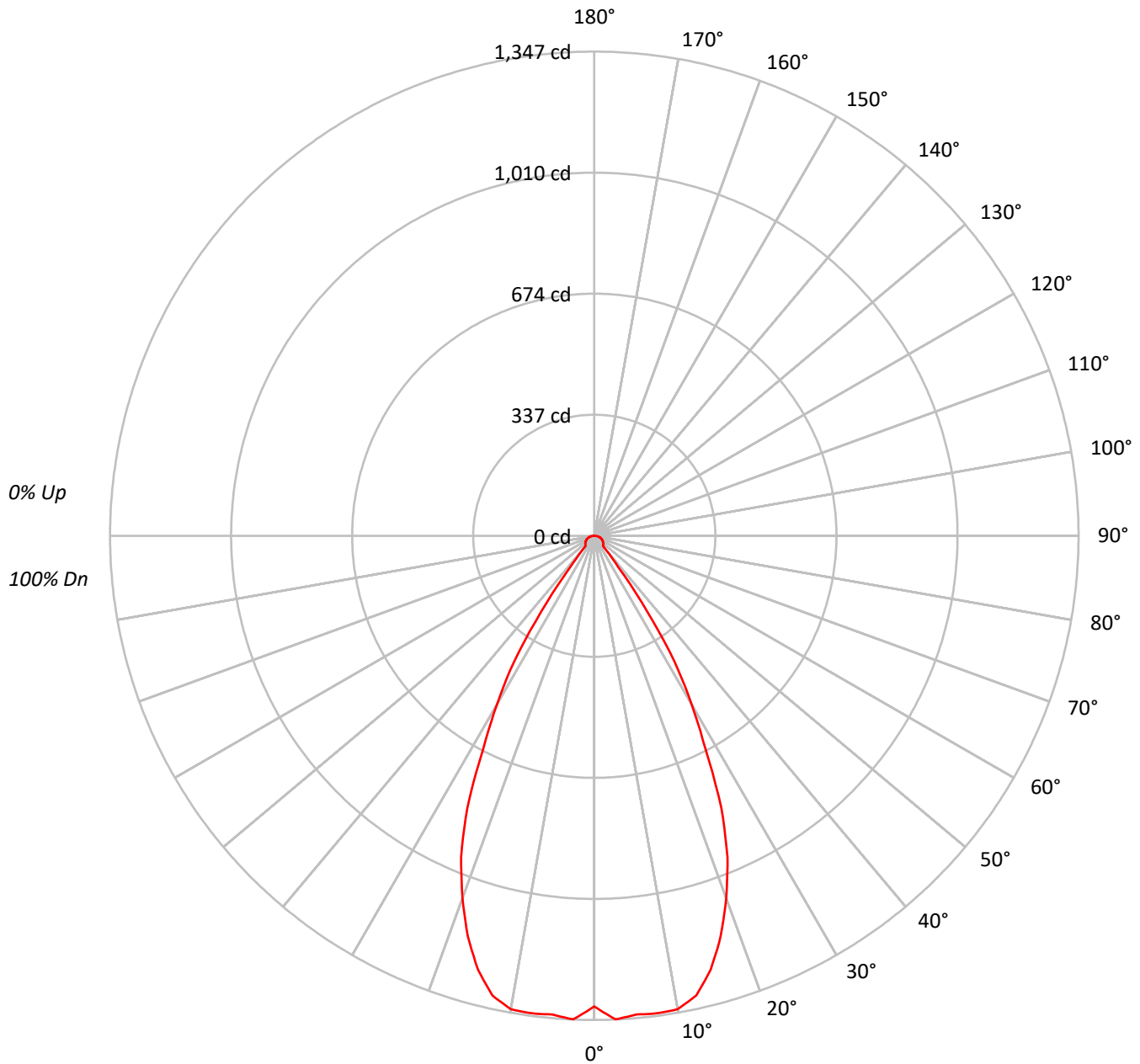
Downlight



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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	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143110
5°	146629
10°	148402
15°	141371
20°	124645
25°	100821
30°	68191
35°	34173
40°	5534
45°	5424
50°	5524
55°	5619
60°	5769
65°	5920
70°	6038
75°	6121
80°	5915
85°	4889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 6121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	11.6
10°-20°	345.7	31.3
20°-30°	372.0	33.7
30°-40°	161.7	14.7
40°-50°	27.1	2.5
50°-60°	26.4	2.4
60°-70°	22.6	2.0
70°-80°	15.1	1.4
80°-90°	4.5	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°	845.4	76.7
0°-40°	1007.1	91.3
0°-60°	1060.6	96.2
0°-90°	1102.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1310	
5°	1337	128
15°	1250	346
25°	836	372
35°	256	162
45°	35	27
55°	30	26
65°	23	23
75°	14	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1309.8
2.5°	1346.7
5°	1336.9
7.5°	1340.0
10°	1337.6
12.5°	1310.0
15°	1249.8
17.5°	1169.0
20°	1072.0
22.5°	968.2
25°	836.3
27.5°	668.9
30°	540.5
32.5°	416.6
35°	256.2
37.5°	109.6
40°	38.8
42.5°	35.8
45°	35.1
47.5°	33.9
50°	32.5
52.5°	31.0
55°	29.5
57.5°	28.0
60°	26.4
62.5°	24.7
65°	22.9
67.5°	21.0
70°	18.9
72.5°	16.7
75°	14.5
77.5°	11.9
80°	9.4
82.5°	6.6
85°	3.9
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)