

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: P761641

Luminaire Tested: LD6D15D010-EU6DR600215IC9027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761641
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-EU6DR600215IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.2 lumens
Efficiency: N/A
Efficacy: 90.1 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



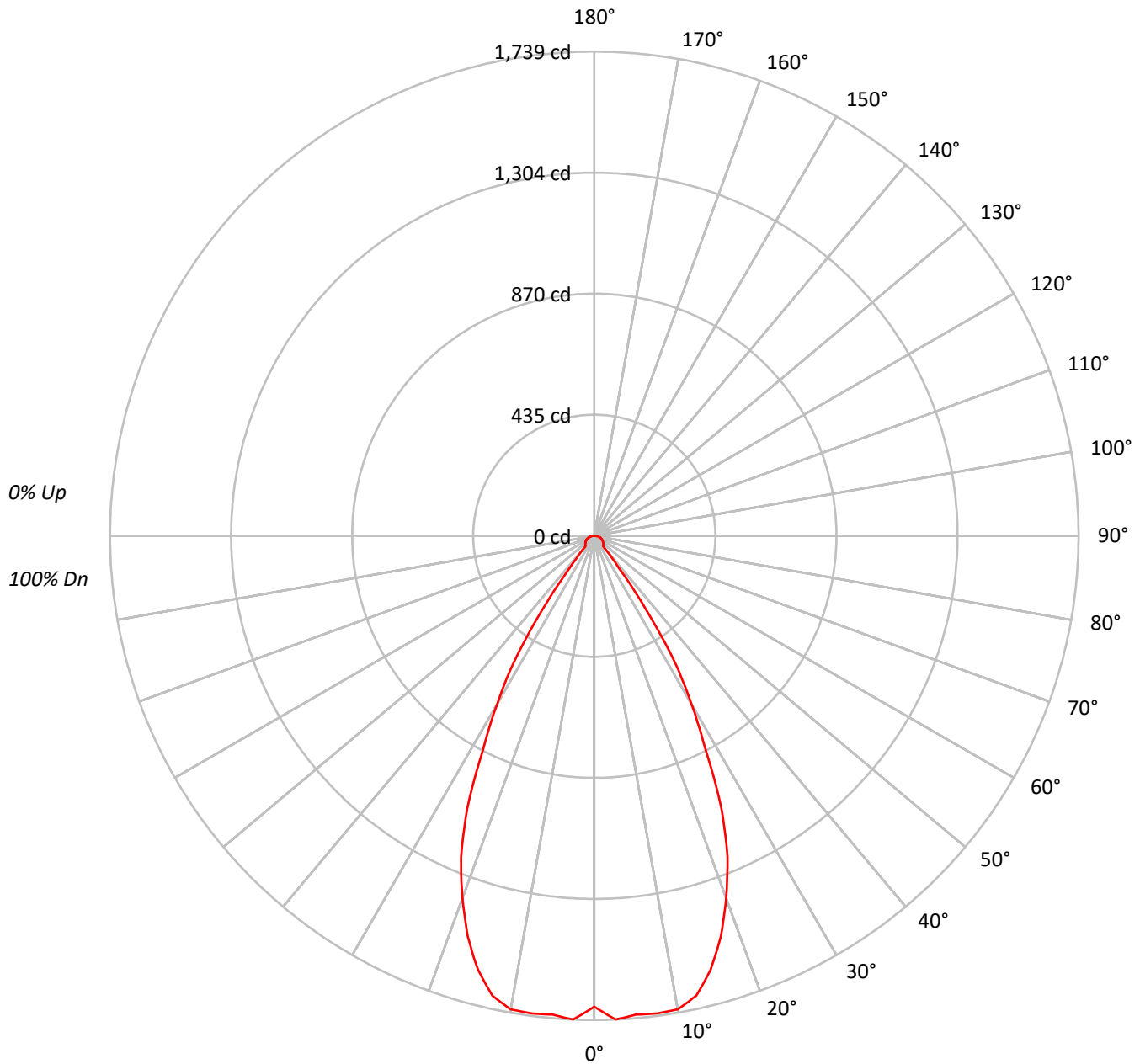
Downlight



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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°	184804
5°	189348
10°	191638
15°	182556
20°	160968
25°	130188
30°	88062
35°	44123
40°	7160
45°	7000
50°	7156
55°	7258
60°	7452
65°	7627
70°	7795
75°	7894
80°	7613
85°	6268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	11.6
10°-20°	446.4	31.3
20°-30°	480.3	33.7
30°-40°	208.8	14.7
40°-50°	35.1	2.5
50°-60°	34.1	2.4
60°-70°	29.2	2.0
70°-80°	19.5	1.4
80°-90°	5.8	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°	1091.7	76.7
0°-40°	1300.5	91.3
0°-60°	1369.7	96.2
0°-90°	1424.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1691	
5°	1726	165
15°	1614	446
25°	1080	480
35°	331	209
45°	45	35
55°	38	34
65°	30	29
75°	19	20
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1691.4
2.5°	1739.0
5°	1726.4
7.5°	1730.4
10°	1727.3
12.5°	1691.6
15°	1613.9
17.5°	1509.6
20°	1384.4
22.5°	1250.3
25°	1079.9
27.5°	863.8
30°	698.0
32.5°	538.0
35°	330.8
37.5°	141.5
40°	50.2
42.5°	46.2
45°	45.3
47.5°	43.8
50°	42.1
52.5°	40.0
55°	38.1
57.5°	36.1
60°	34.1
62.5°	31.9
65°	29.5
67.5°	27.1
70°	24.4
72.5°	21.6
75°	18.7
77.5°	15.4
80°	12.1
82.5°	8.6
85°	5.0
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)