

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: P761677

Luminaire Tested: LD6D15D010-EU6DR600215IC9040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761677
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-EU6DR600215IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1376.0 lumens
Efficiency: N/A
Efficacy: 87.1 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 (A_{in}): 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



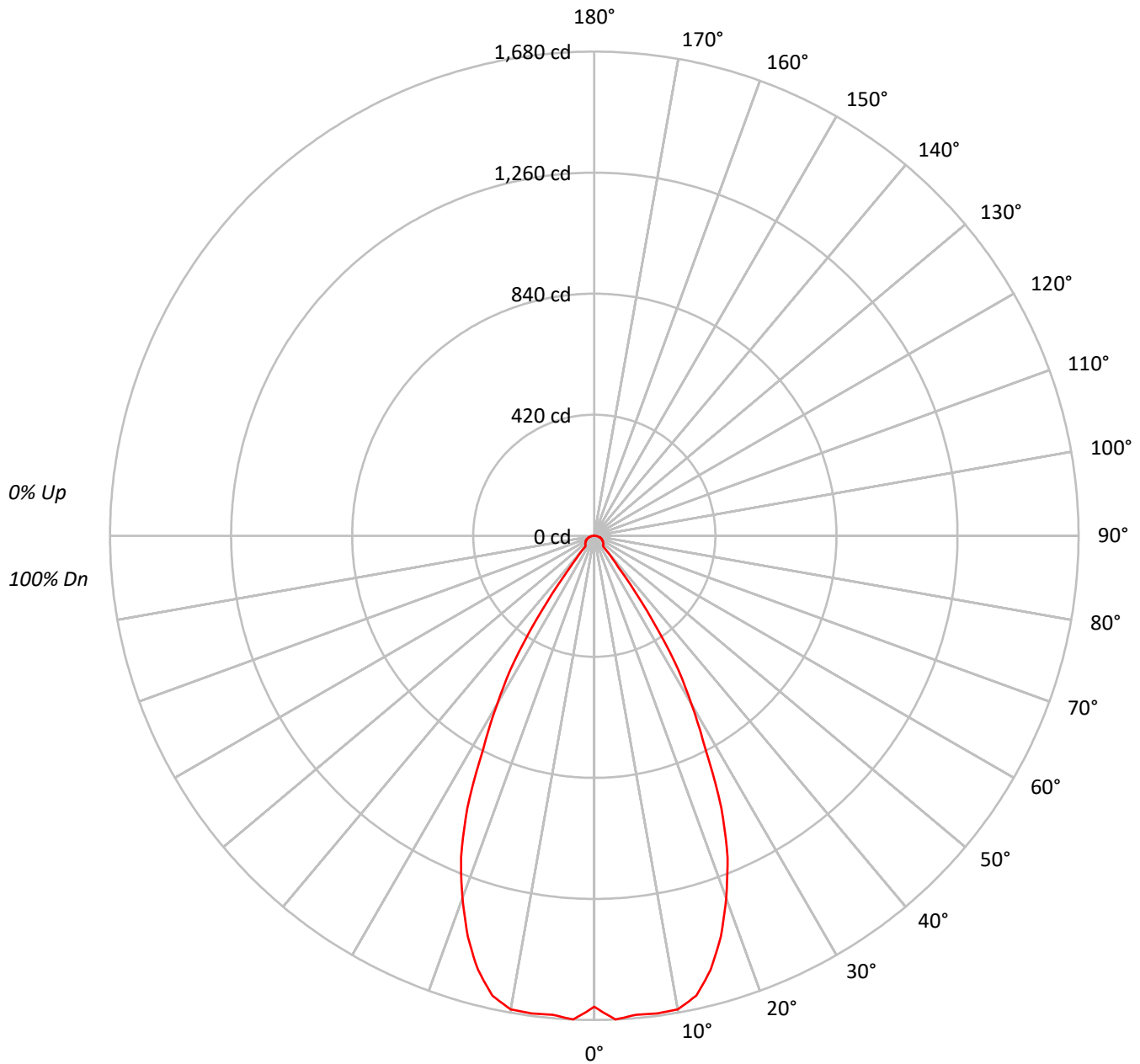
Downlight



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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°	178554
5°	182943
10°	185147
15°	176380
20°	155515
25°	125776
30°	85085
35°	42629
40°	6918
45°	6768
50°	6901
55°	7010
60°	7189
65°	7368
70°	7539
75°	7641
80°	7362
85°	6143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 7641 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	11.6
10°-20°	431.3	31.3
20°-30°	464.1	33.7
30°-40°	201.7	14.7
40°-50°	33.9	2.5
50°-60°	32.9	2.4
60°-70°	28.2	2.0
70°-80°	18.9	1.4
80°-90°	5.6	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°	1054.8	76.7
0°-40°	1256.5	91.3
0°-60°	1323.3	96.2
0°-90°	1376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1376.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1634	
5°	1668	159
15°	1559	431
25°	1043	464
35°	320	202
45°	44	34
55°	37	33
65°	28	28
75°	18	19
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1634.2
2.5°	1680.1
5°	1668.0
7.5°	1671.8
10°	1668.8
12.5°	1634.3
15°	1559.3
17.5°	1458.5
20°	1337.5
22.5°	1208.0
25°	1043.3
27.5°	834.5
30°	674.4
32.5°	519.8
35°	319.6
37.5°	136.8
40°	48.5
42.5°	44.6
45°	43.8
47.5°	42.3
50°	40.6
52.5°	38.7
55°	36.8
57.5°	34.9
60°	32.9
62.5°	30.8
65°	28.5
67.5°	26.2
70°	23.6
72.5°	20.9
75°	18.1
77.5°	14.9
80°	11.7
82.5°	8.3
85°	4.9
87.5°	1.7
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)