

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: P761626

Luminaire Tested: LD6D15D010-EU6DR600215IC9024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761626
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-EU6DR600215IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962.2 lumens
Efficiency: N/A
Efficacy: 60.9 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



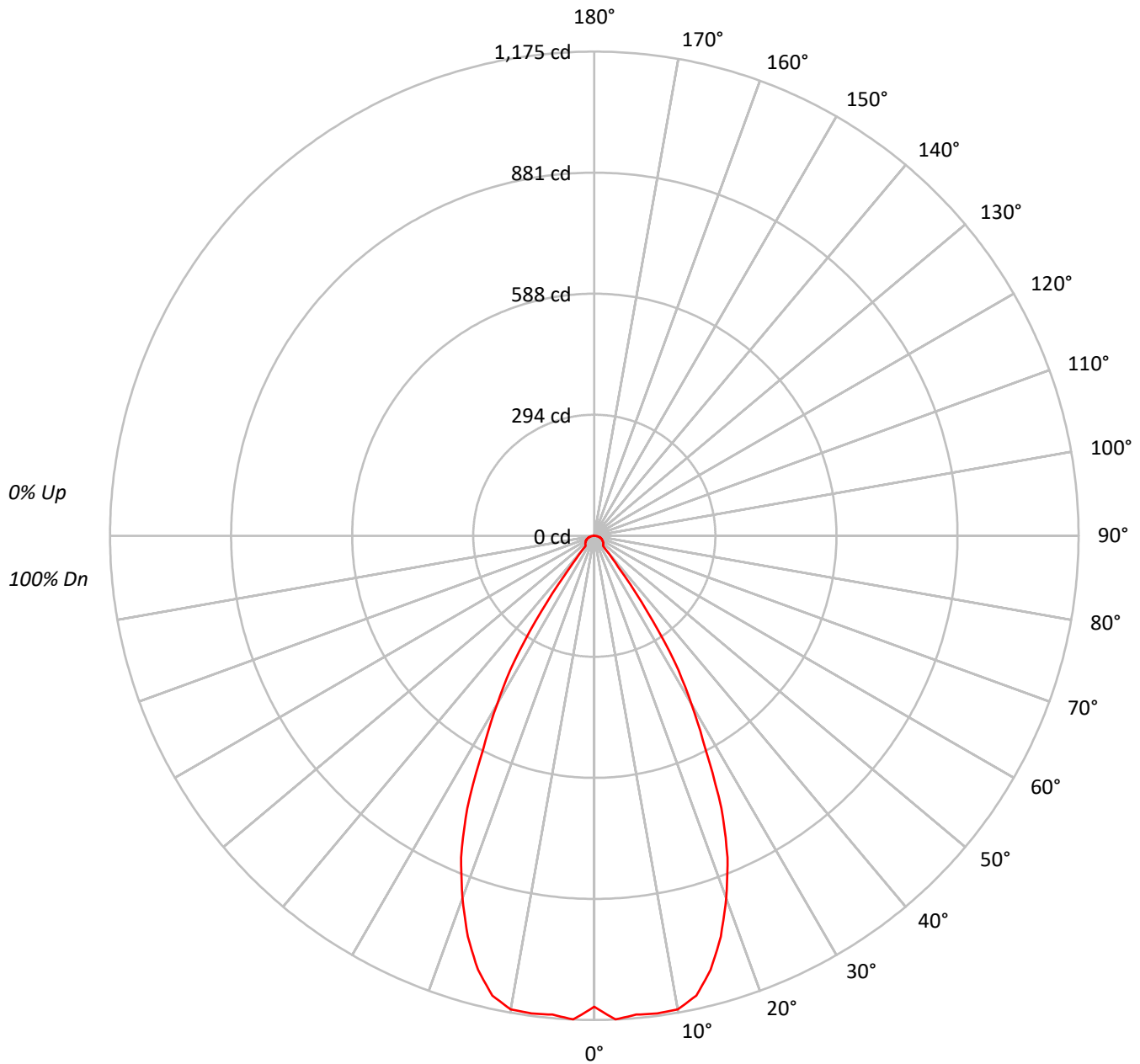
Downlight



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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°	124863
5°	127929
10°	129474
15°	123341
20°	108750
25°	87958
30°	59499
35°	29811
40°	4835
45°	4744
50°	4827
55°	4896
60°	5026
65°	5145
70°	5271
75°	5361
80°	5160
85°	4262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 5361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	11.6
10°-20°	301.6	31.3
20°-30°	324.5	33.7
30°-40°	141.1	14.7
40°-50°	23.7	2.5
50°-60°	23.0	2.4
60°-70°	19.7	2.0
70°-80°	13.2	1.4
80°-90°	3.9	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°	737.6	76.7
0°-40°	878.7	91.3
0°-60°	925.4	96.2
0°-90°	962.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1143	
5°	1166	111
15°	1090	302
25°	730	325
35°	224	141
45°	31	24
55°	26	23
65°	20	20
75°	13	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1142.8
2.5°	1174.8
5°	1166.4
7.5°	1169.0
10°	1167.0
12.5°	1142.9
15°	1090.4
17.5°	1019.9
20°	935.3
22.5°	844.7
25°	729.6
27.5°	583.6
30°	471.6
32.5°	363.5
35°	223.5
37.5°	95.6
40°	33.9
42.5°	31.2
45°	30.7
47.5°	29.6
50°	28.4
52.5°	27.0
55°	25.7
57.5°	24.4
60°	23.0
62.5°	21.5
65°	19.9
67.5°	18.3
70°	16.5
72.5°	14.6
75°	12.7
77.5°	10.4
80°	8.2
82.5°	5.8
85°	3.4
87.5°	1.2
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)