

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: P761717

Luminaire Tested: LD6D15D010-EU6DR650215IC9027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR650215IC9027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158.3 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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



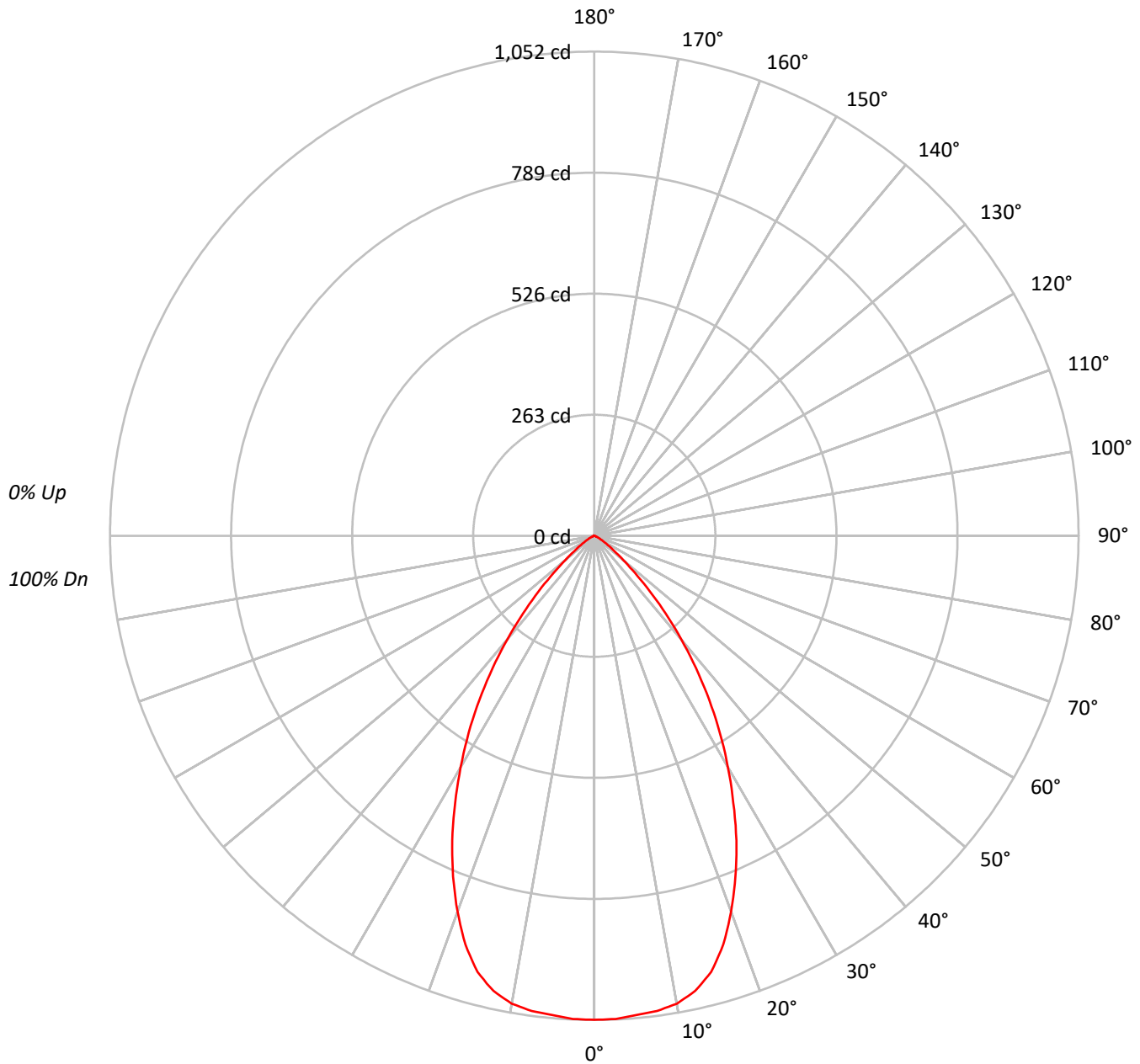
Downlight



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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	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61423
5°	61271
10°	61214
15°	59327
20°	54010
25°	47068
30°	39148
35°	31015
40°	22384
45°	14149
50°	7369
55°	3920
60°	2056
65°	1133
70°	478
75°	519
80°	370
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14149 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	8.6
10°-20°	272.3	23.5
20°-30°	332.9	28.7
30°-40°	270.1	23.3
40°-50°	134.6	11.6
50°-60°	37.5	3.2
60°-70°	8.5	0.7
70°-80°	2.2	0.2
80°-90°	0.6	0.0
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°	704.7	60.8
0°-40°	974.8	84.2
0°-60°	1147.0	99.0
0°-90°	1158.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1052	
5°	1045	99
15°	981	272
25°	730	333
35°	435	270
45°	171	135
55°	38	38
65°	8	9
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1051.7
2.5°	1050.9
5°	1045.1
7.5°	1041.6
10°	1032.2
12.5°	1013.0
15°	981.2
17.5°	931.4
20°	869.0
22.5°	801.6
25°	730.4
27.5°	654.2
30°	580.5
32.5°	507.7
35°	435.0
37.5°	362.6
40°	293.6
42.5°	229.1
45°	171.3
47.5°	119.3
50°	81.1
52.5°	55.9
55°	38.5
57.5°	26.0
60°	17.6
62.5°	12.2
65°	8.2
67.5°	4.2
70°	2.8
72.5°	2.6
75°	2.3
77.5°	1.5
80°	1.1
82.5°	0.7
85°	0.5
87.5°	0.3
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)