

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: P761719

Luminaire Tested: LD6D15D010-EU6DR650215IC9027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761719
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-EU6DR650215IC9027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1309.9 lumens
Efficiency: N/A
Efficacy: 82.9 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



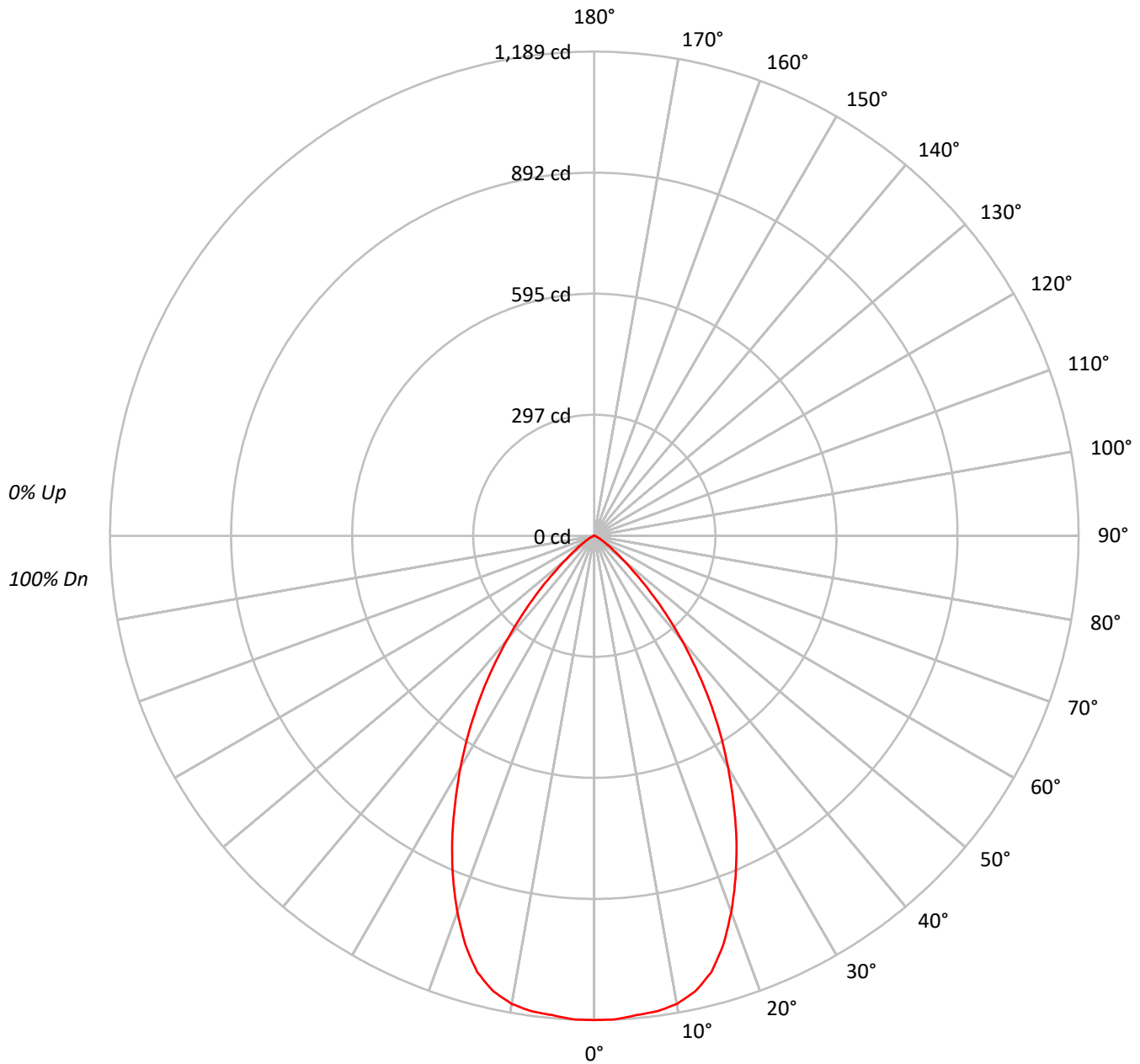
Downlight



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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°	69466
5°	69285
10°	69227
15°	67097
20°	61083
25°	53229
30°	44274
35°	35079
40°	25320
45°	15999
50°	8341
55°	4429
60°	2324
65°	1285
70°	546
75°	587
80°	404
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	8.6
10°-20°	308.0	23.5
20°-30°	376.5	28.7
30°-40°	305.5	23.3
40°-50°	152.2	11.6
50°-60°	42.4	3.2
60°-70°	9.7	0.7
70°-80°	2.5	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°	797.0	60.8
0°-40°	1102.5	84.2
0°-60°	1297.1	99.0
0°-90°	1309.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1189	
5°	1182	112
15°	1110	308
25°	826	376
35°	492	305
45°	194	152
55°	44	42
65°	9	10
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1189.4
2.5°	1188.5
5°	1181.8
7.5°	1178.0
10°	1167.3
12.5°	1145.7
15°	1109.7
17.5°	1053.4
20°	982.8
22.5°	906.6
25°	826.0
27.5°	739.9
30°	656.5
32.5°	574.2
35°	492.0
37.5°	410.0
40°	332.1
42.5°	259.0
45°	193.7
47.5°	134.9
50°	91.8
52.5°	63.3
55°	43.5
57.5°	29.3
60°	19.9
62.5°	13.8
65°	9.3
67.5°	4.7
70°	3.2
72.5°	3.0
75°	2.6
77.5°	1.8
80°	1.2
82.5°	0.9
85°	0.5
87.5°	0.3
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)