

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: P761789

Luminaire Tested: LD6D15D010-EU6DR700215IC9027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1433.6 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



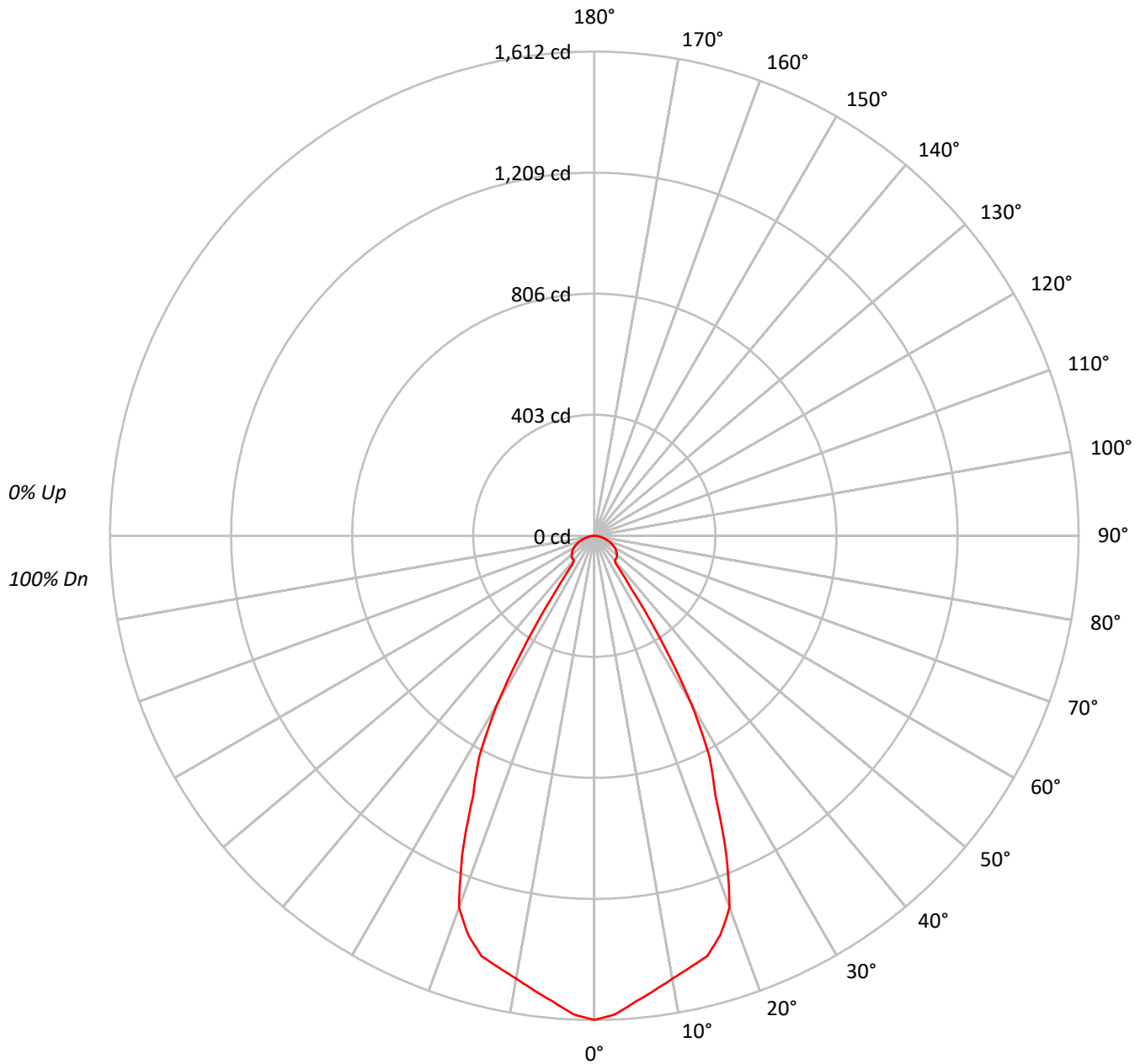
Downlight



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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176096
5°	170868
10°	166098
15°	163926
20°	153073
25°	114986
30°	81287
35°	28797
40°	15147
45°	16132
50°	16709
55°	17011
60°	17110
65°	16753
70°	15813
75°	14649
80°	13025
85°	10530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 17122 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	10.3
10°-20°	403.1	28.1
20°-30°	443.9	31.0
30°-40°	169.6	11.8
40°-50°	80.1	5.6
50°-60°	79.6	5.6
60°-70°	63.7	4.4
70°-80°	36.6	2.6
80°-90°	10.0	0.7
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°	993.9	69.3
0°-40°	1163.5	81.2
0°-60°	1323.2	92.3
0°-90°	1433.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1433.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1612	
5°	1558	147
15°	1449	403
25°	954	444
35°	216	170
45°	104	80
55°	89	80
65°	65	64
75°	35	37
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1611.7
2.5°	1594.9
5°	1557.9
7.5°	1527.0
10°	1497.1
12.5°	1471.9
15°	1449.2
17.5°	1394.3
20°	1316.5
22.5°	1148.5
25°	953.8
27.5°	830.4
30°	644.3
32.5°	416.2
35°	215.9
37.5°	116.6
40°	106.2
42.5°	105.4
45°	104.4
47.5°	102.1
50°	98.3
52.5°	93.9
55°	89.3
57.5°	84.2
60°	78.3
62.5°	71.7
65°	64.8
67.5°	57.2
70°	49.5
72.5°	41.8
75°	34.7
77.5°	27.3
80°	20.7
82.5°	14.6
85°	8.4
87.5°	3.3
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)