

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: P761825

Luminaire Tested: LD6D15D010-EU6DR700215IC9040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761825
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-EU6DR700215IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1194.6 lumens
Efficiency: N/A
Efficacy: 75.6 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



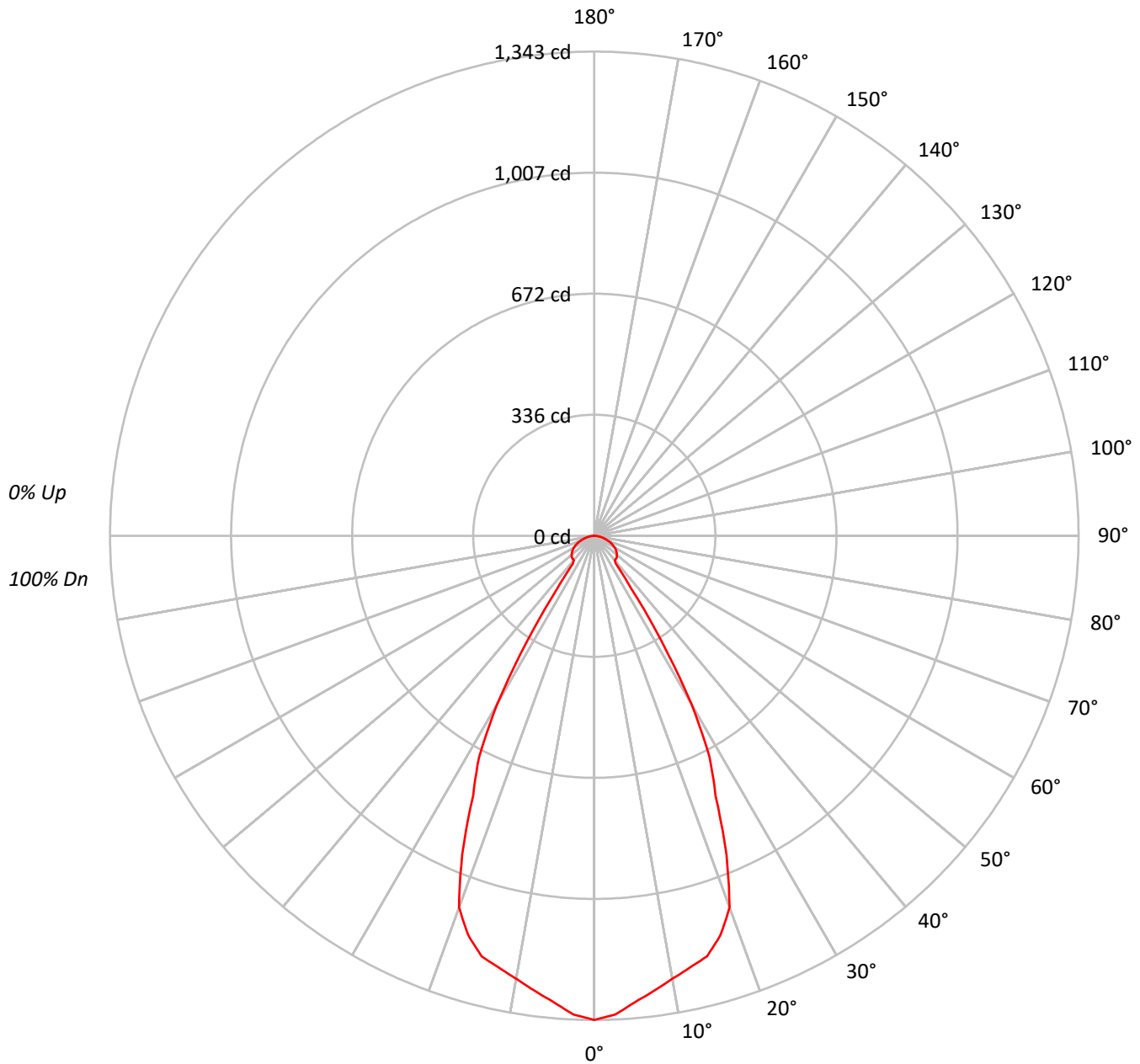
Downlight



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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°	146748
5°	142384
10°	138405
15°	136598
20°	127551
25°	95830
30°	67737
35°	23996
40°	12623
45°	13443
50°	13921
55°	14172
60°	14269
65°	13961
70°	13194
75°	12200
80°	10822
85°	8775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 14275 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	10.2
10°-20°	335.9	28.1
20°-30°	369.9	31.0
30°-40°	141.3	11.8
40°-50°	66.8	5.6
50°-60°	66.4	5.6
60°-70°	53.1	4.4
70°-80°	30.5	2.6
80°-90°	8.3	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°	828.2	69.3
0°-40°	969.6	81.2
0°-60°	1102.7	92.3
0°-90°	1194.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1194.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1343	
5°	1298	122
15°	1208	336
25°	795	370
35°	180	141
45°	87	67
55°	74	66
65°	54	53
75°	29	31
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1343.1
2.5°	1329.0
5°	1298.2
7.5°	1272.5
10°	1247.5
12.5°	1226.5
15°	1207.6
17.5°	1161.9
20°	1097.0
22.5°	957.1
25°	794.9
27.5°	692.0
30°	536.9
32.5°	346.8
35°	179.9
37.5°	97.2
40°	88.5
42.5°	87.8
45°	87.0
47.5°	85.1
50°	81.9
52.5°	78.3
55°	74.4
57.5°	70.2
60°	65.3
62.5°	59.8
65°	54.0
67.5°	47.6
70°	41.3
72.5°	34.9
75°	28.9
77.5°	22.7
80°	17.2
82.5°	12.1
85°	7.0
87.5°	2.8
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)