

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: P761447

Luminaire Tested: LD6D15D010-EU6DR450215IC9040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR450215IC9040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1498.9 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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



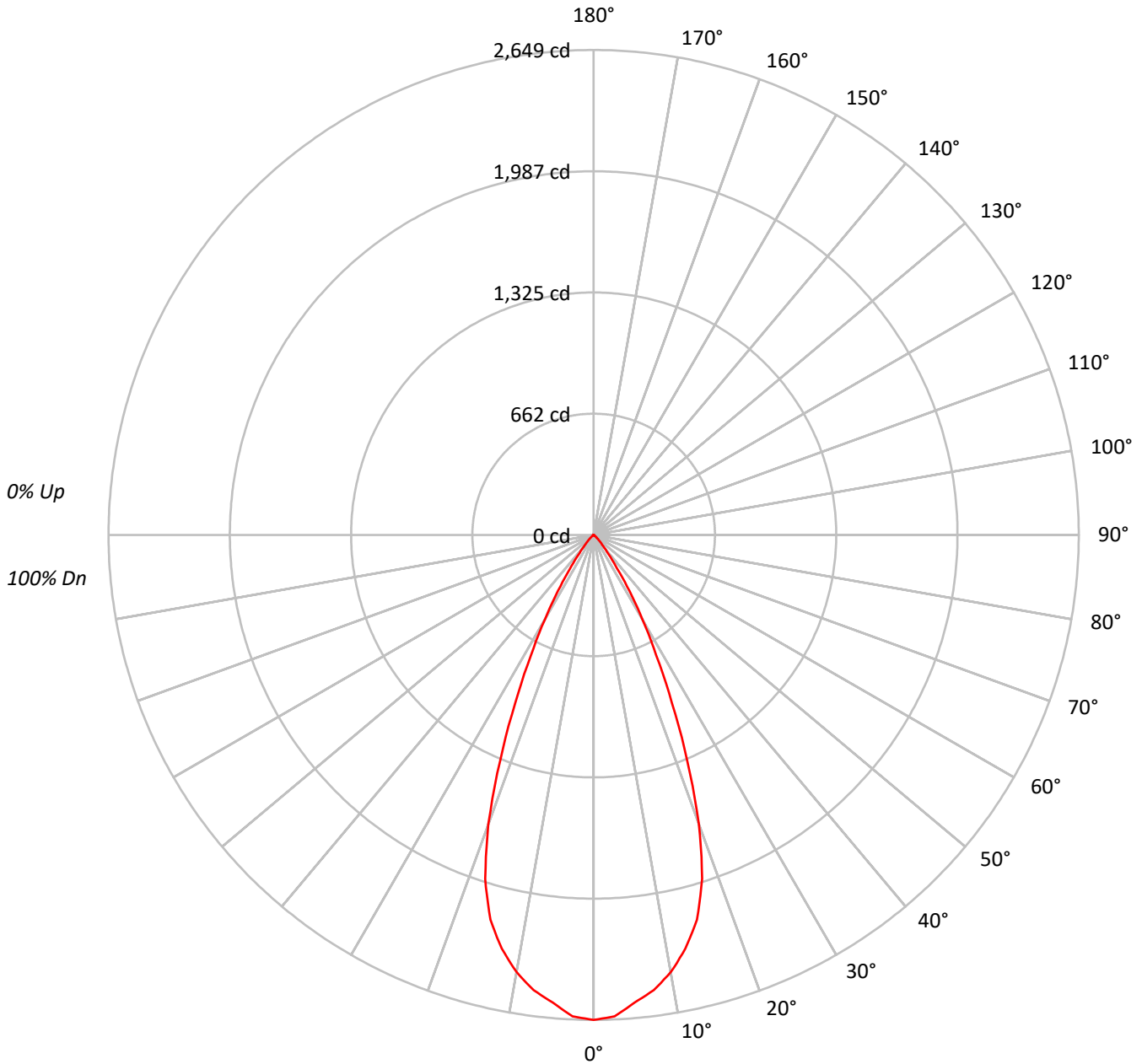
Downlight



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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					0					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				
RCR																															
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100													
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95													
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90													
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85													
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81													
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77													
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73													
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69													
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66													
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63													
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289465
5°	281226
10°	269056
15°	246240
20°	195362
25°	121966
30°	67220
35°	30185
40°	11895
45°	5609
50°	2652
55°	1391
60°	699
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5609 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	16.1
10°-20°	592.9	39.6
20°-30°	469.6	31.3
30°-40°	156.4	10.4
40°-50°	31.0	2.1
50°-60°	7.1	0.5
60°-70°	1.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1303.4	87.0
0°-40°	1459.8	97.4
0°-60°	1497.9	99.9
0°-90°	1498.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1498.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2649	
5°	2564	241
15°	2177	593
25°	1012	470
35°	226	156
45°	36	31
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2649.3
2.5°	2632.0
5°	2564.1
7.5°	2508.0
10°	2425.1
12.5°	2314.7
15°	2176.9
17.5°	1969.8
20°	1680.2
22.5°	1335.1
25°	1011.7
27.5°	740.8
30°	532.8
32.5°	362.4
35°	226.3
37.5°	134.2
40°	83.4
42.5°	54.8
45°	36.3
47.5°	23.3
50°	15.6
52.5°	10.4
55°	7.3
57.5°	4.8
60°	3.2
62.5°	1.7
65°	0.6
67.5°	0.2
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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