

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: P759206

Luminaire Tested: LD6D08D010-EU6DR300210IC9040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D08D010-EU6DR300210IC9040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 812.8 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): 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

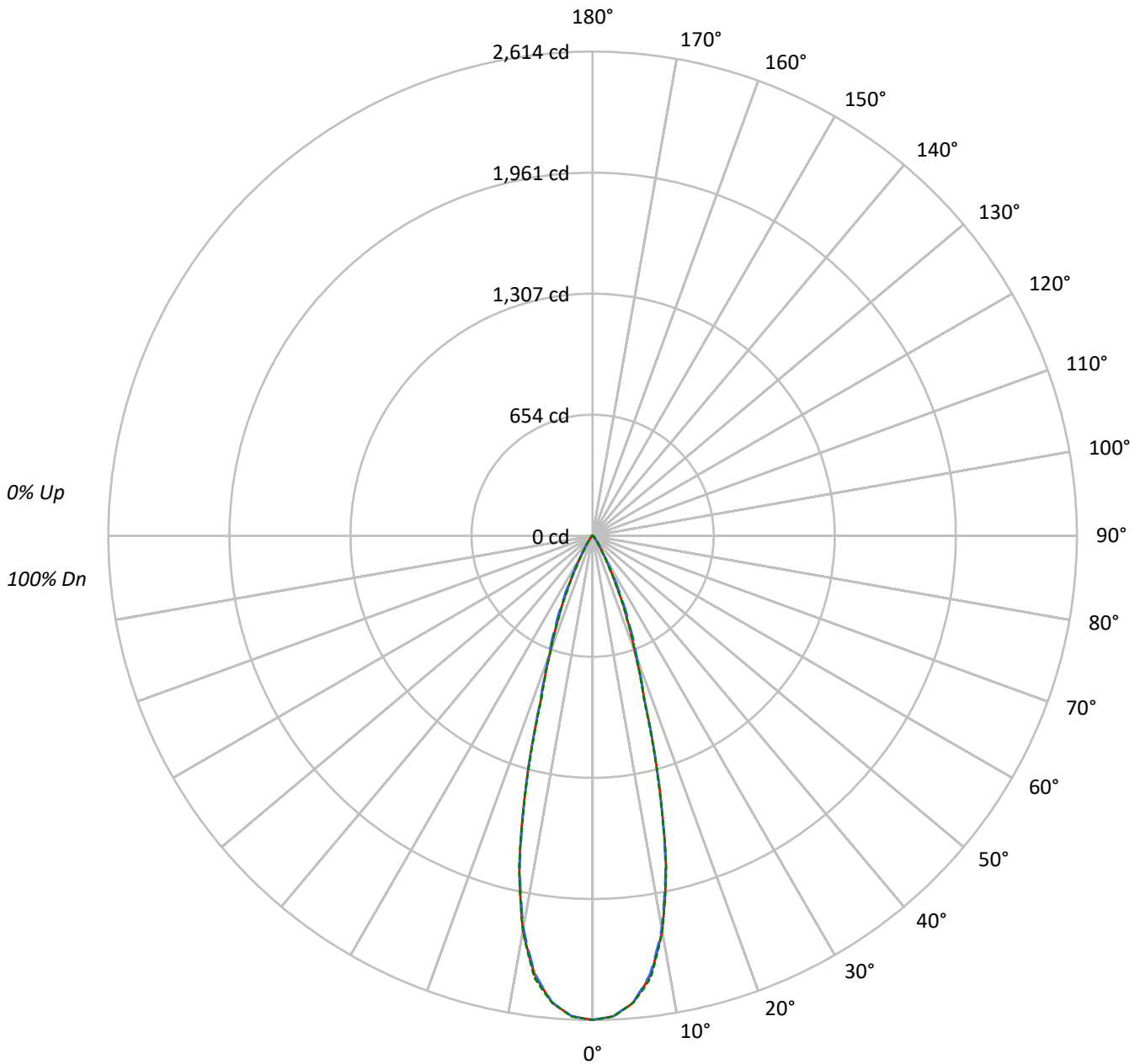


Downlight



TEST NUMBER: P759206
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	200061	200061	200061
5°	194318	194095	194325
10°	168312	167123	168273
15°	109816	109221	108675
20°	54608	56652	54535
25°	27507	31021	26942
30°	11013	12003	9599
35°	5111	4896	4102
40°	2208	2448	2078
45°	1559	1927	1570
50°	536	1405	572
55°	307	587	334
60°	214	260	214
65°	127	127	127
70°	90	45	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1927 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	28.3
10°-20°	370.2	45.5
20°-30°	160.0	19.7
30°-40°	36.5	4.5
40°-50°	12.5	1.5
50°-60°	3.1	0.4
60°-70°	0.8	0.1
70°-80°	0.1	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°	759.9	93.5
0°-40°	796.4	98.0
0°-60°	812.0	99.9
0°-90°	812.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	812.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2614	2614	2614	2614	2614	
5°	2529	2527	2526	2531	2529	230
15°	1386	1369	1378	1374	1371	371
25°	326	338	367	329	319	156
35°	55	56	52	52	44	37
45°	14	18	18	18	14	10
55°	2	2	4	3	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2613.7	2613.7	2613.7	2613.7	2613.7
2.5°	2596.4	2594.6	2595.6	2596.9	2597.4
5°	2529.0	2526.6	2526.1	2531.3	2529.1
7.5°	2393.1	2389.7	2384.4	2396.3	2407.5
10°	2165.5	2161.6	2150.2	2155.8	2165.0
12.5°	1829.4	1816.9	1816.7	1834.6	1832.2
15°	1385.8	1369.1	1378.3	1373.8	1371.4
17.5°	931.9	925.5	937.8	934.1	918.0
20°	670.4	672.0	695.5	683.7	669.5
22.5°	489.2	495.2	523.0	492.6	481.5
25°	325.7	338.0	367.3	329.4	319.0
27.5°	200.3	206.0	235.6	197.7	192.1
30°	124.6	121.8	135.8	116.5	108.6
32.5°	81.8	78.2	82.6	74.2	67.8
35°	54.7	55.8	52.4	52.0	43.9
37.5°	34.1	39.2	34.7	37.0	28.2
40°	22.1	28.5	24.5	27.1	20.8
42.5°	18.1	21.9	20.2	21.4	18.5
45°	14.4	17.8	17.8	17.8	14.5
47.5°	8.0	11.9	15.3	12.2	8.5
50°	4.5	6.0	11.8	6.3	4.8
52.5°	3.1	3.4	8.1	3.6	3.2
55°	2.3	2.5	4.4	2.6	2.5
57.5°	1.8	1.9	2.3	1.9	1.8
60°	1.4	1.4	1.7	1.5	1.4
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.2	0.2	0.2	0.4
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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