

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: P759190

Luminaire Tested: LD6D08D010-EU6DR300210IC9035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759190
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-EU6DR300210IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.4 lumens
Efficiency: N/A
Efficacy: 90.0 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

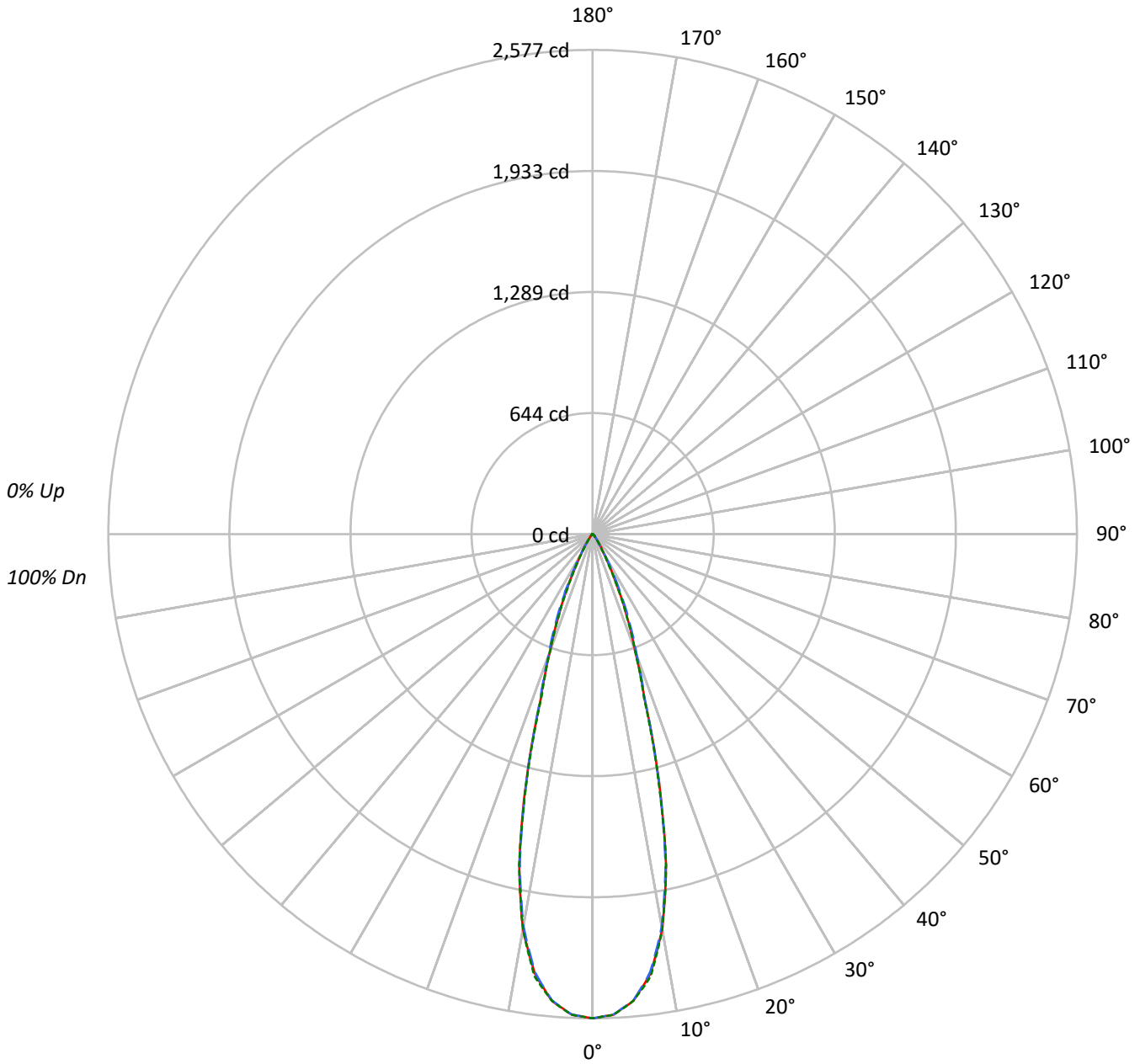


Downlight



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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°	197260	197260	197260
5°	191590	191375	191605
10°	165949	164783	165910
15°	108278	107692	107153
20°	53842	55862	53769
25°	27119	30582	26562
30°	10854	11826	9457
35°	5037	4822	4046
40°	2178	2418	2048
45°	1537	1905	1548
50°	524	1381	560
55°	307	574	320
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: 1905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	28.3
10°-20°	365.0	45.5
20°-30°	157.7	19.7
30°-40°	35.9	4.5
40°-50°	12.3	1.5
50°-60°	3.0	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°	749.3	93.5
0°-40°	785.2	98.0
0°-60°	800.6	99.9
0°-90°	801.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2577	2577	2577	2577	2577	
5°	2494	2491	2491	2496	2494	227
15°	1366	1350	1359	1355	1352	366
25°	321	333	362	325	314	154
35°	54	55	52	51	43	37
45°	14	18	18	18	14	10
55°	2	2	4	2	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°	2577.1	2577.1	2577.1	2577.1	2577.1
2.5°	2560.0	2558.2	2559.3	2560.5	2561.0
5°	2493.5	2491.2	2490.7	2495.8	2493.7
7.5°	2359.6	2356.1	2351.0	2362.7	2373.7
10°	2135.1	2131.3	2120.1	2125.6	2134.6
12.5°	1803.8	1791.5	1791.2	1808.9	1806.5
15°	1366.4	1349.9	1359.0	1354.6	1352.2
17.5°	918.8	912.5	924.6	921.0	905.1
20°	661.0	662.6	685.8	674.1	660.1
22.5°	482.3	488.3	515.7	485.7	474.7
25°	321.1	333.3	362.1	324.8	314.5
27.5°	197.5	203.1	232.3	195.0	189.4
30°	122.8	120.1	133.8	114.9	107.0
32.5°	80.6	77.1	81.5	73.1	66.8
35°	53.9	55.1	51.6	51.2	43.3
37.5°	33.6	38.7	34.1	36.4	27.8
40°	21.8	28.1	24.2	26.7	20.5
42.5°	17.8	21.7	19.9	21.1	18.2
45°	14.2	17.6	17.6	17.6	14.3
47.5°	7.8	11.7	15.1	12.0	8.4
50°	4.4	6.0	11.6	6.2	4.7
52.5°	3.0	3.4	8.0	3.6	3.2
55°	2.3	2.4	4.3	2.5	2.4
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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