

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: P757166

Luminaire Tested: LD6D02D010-EU6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757166
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: LD6D02D010-EU6DR300210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 393.3 lumens
Efficiency: N/A
Efficacy: 77.1 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): 5.1
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

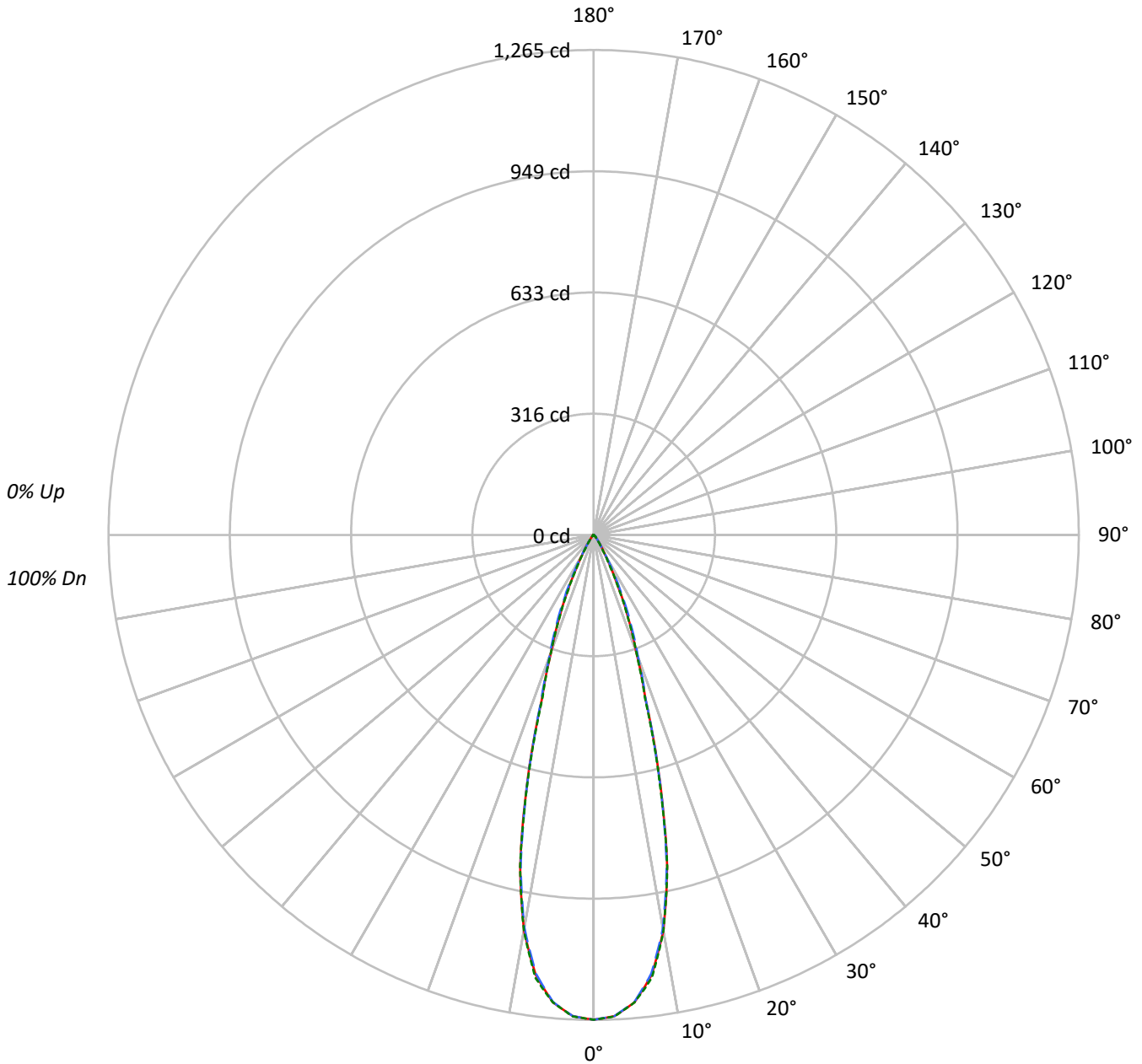


Downlight



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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	86	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°	96804	96804	96804
5°	94024	93916	94032
10°	81439	80864	81424
15°	53133	52848	52586
20°	26416	27418	26384
25°	13310	15008	13040
30°	5330	5807	4640
35°	2476	2364	1990
40°	1069	1189	1009
45°	747	942	758
50°	262	679	274
55°	147	280	160
60°	107	122	107
65°	72	72	72
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	28.3
10°-20°	179.1	45.5
20°-30°	77.4	19.7
30°-40°	17.6	4.5
40°-50°	6.1	1.5
50°-60°	1.5	0.4
60°-70°	0.4	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°	367.7	93.5
0°-40°	385.4	98.0
0°-60°	392.9	99.9
0°-90°	393.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	393.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1265	1265	1265	1265	1265	
5°	1224	1223	1222	1225	1224	111
15°	670	662	667	665	664	180
25°	158	164	178	159	154	75
35°	26	27	25	25	21	18
45°	7	9	9	9	7	5
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.7	1264.7	1264.7	1264.7	1264.7
2.5°	1256.3	1255.4	1256.0	1256.6	1256.8
5°	1223.7	1222.6	1222.3	1224.9	1223.8
7.5°	1158.0	1156.3	1153.8	1159.5	1164.9
10°	1047.8	1046.0	1040.4	1043.2	1047.6
12.5°	885.2	879.2	879.0	887.7	886.6
15°	670.5	662.4	666.9	664.8	663.6
17.5°	450.9	447.8	453.8	452.0	444.2
20°	324.3	325.2	336.6	330.8	323.9
22.5°	236.7	239.6	253.1	238.3	233.0
25°	157.6	163.6	177.7	159.4	154.4
27.5°	96.9	99.6	114.0	95.7	92.9
30°	60.3	58.9	65.7	56.4	52.5
32.5°	39.5	37.8	40.0	35.9	32.8
35°	26.5	27.0	25.3	25.2	21.3
37.5°	16.5	19.0	16.8	17.9	13.6
40°	10.7	13.8	11.9	13.1	10.1
42.5°	8.8	10.6	9.7	10.4	8.9
45°	6.9	8.7	8.7	8.7	7.0
47.5°	3.8	5.8	7.4	5.9	4.1
50°	2.2	2.9	5.7	3.0	2.3
52.5°	1.5	1.7	3.9	1.7	1.5
55°	1.1	1.2	2.1	1.3	1.2
57.5°	0.9	0.9	1.1	0.9	0.9
60°	0.7	0.7	0.8	0.7	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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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