

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: P757163

Luminaire Tested: LD6D02D010-EU6DR300210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757163
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-EU6DR300210IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 392.3 lumens
Efficiency: N/A
Efficacy: 76.9 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



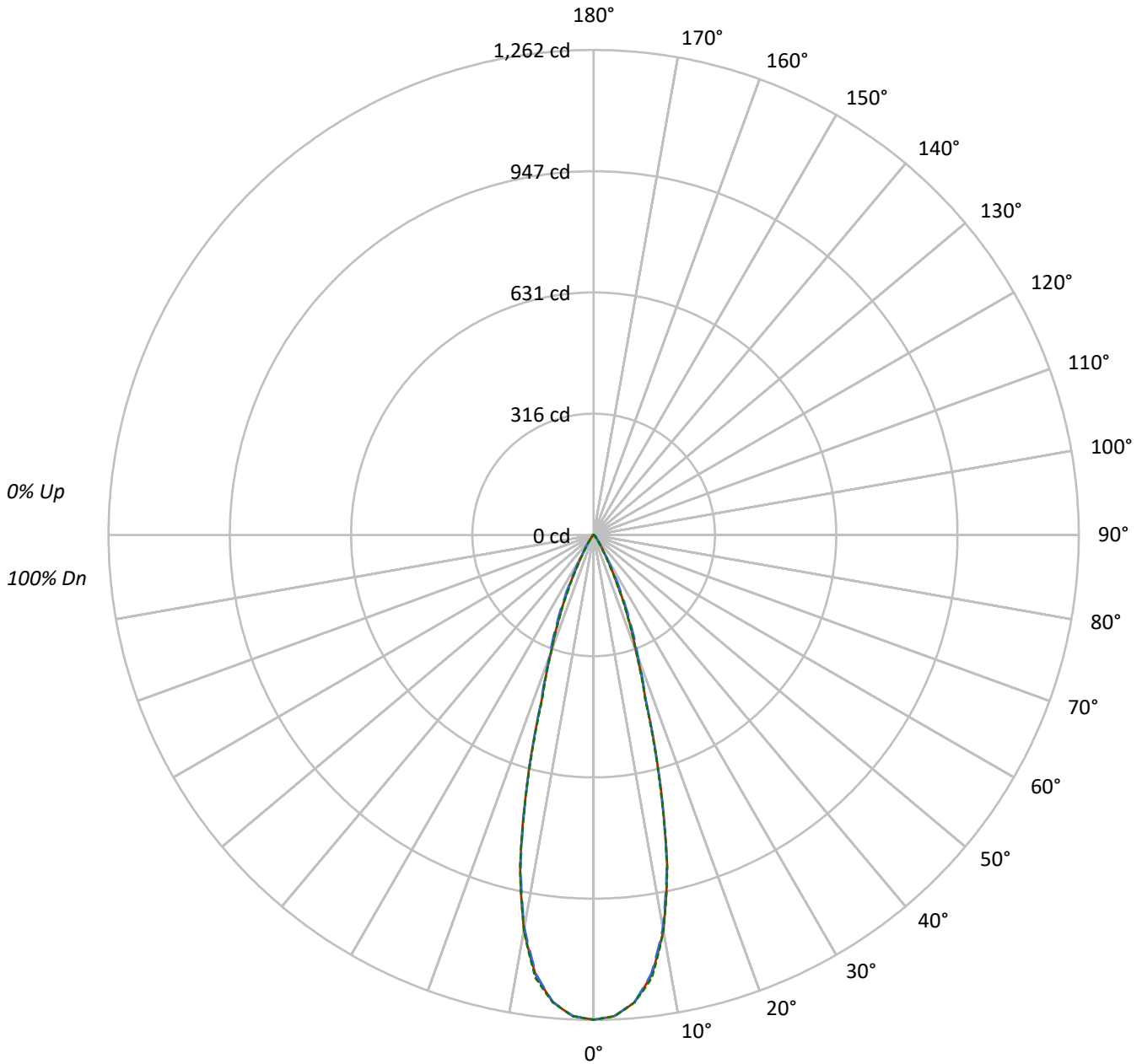
Downlight



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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	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°	96559	96559	96559
5°	93793	93678	93793
10°	81237	80662	81214
15°	53006	52721	52451
20°	26351	27345	26318
25°	13277	14974	13006
30°	5321	5789	4631
35°	2467	2364	1981
40°	1069	1179	999
45°	747	931	758
50°	262	679	274
55°	147	280	160
60°	107	122	107
65°	54	54	54
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: 931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	28.3
10°-20°	178.7	45.5
20°-30°	77.2	19.7
30°-40°	17.6	4.5
40°-50°	6.0	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°	366.8	93.5
0°-40°	384.4	98.0
0°-60°	391.9	99.9
0°-90°	392.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1221	1220	1219	1222	1221	111
15°	669	661	665	663	662	179
25°	157	163	177	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°	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1253.2	1252.3	1252.8	1253.4	1253.7
5°	1220.7	1219.5	1219.2	1221.8	1220.7
7.5°	1155.1	1153.4	1150.9	1156.6	1162.0
10°	1045.2	1043.3	1037.8	1040.5	1044.9
12.5°	883.0	877.0	876.8	885.5	884.3
15°	668.9	660.8	665.3	663.1	661.9
17.5°	449.8	446.7	452.6	450.9	443.1
20°	323.5	324.3	335.7	330.0	323.1
22.5°	236.1	239.0	252.4	237.8	232.4
25°	157.2	163.1	177.3	159.0	154.0
27.5°	96.7	99.4	113.7	95.5	92.7
30°	60.2	58.8	65.5	56.3	52.4
32.5°	39.5	37.7	39.9	35.8	32.7
35°	26.4	26.9	25.3	25.1	21.2
37.5°	16.5	19.0	16.7	17.8	13.6
40°	10.7	13.8	11.8	13.1	10.0
42.5°	8.7	10.6	9.7	10.4	8.9
45°	6.9	8.6	8.6	8.6	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°	0.3	0.3	0.3	0.3	0.3
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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