

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



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: P788969

Luminaire Tested: LER6D10D010-EC6DR300210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788969
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: LER6D10D010-EC6DR300210IC9035-6LBDP1LI
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: 1963.5 lumens
Efficiency: N/A
Efficacy: 167.8 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): 11.7
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

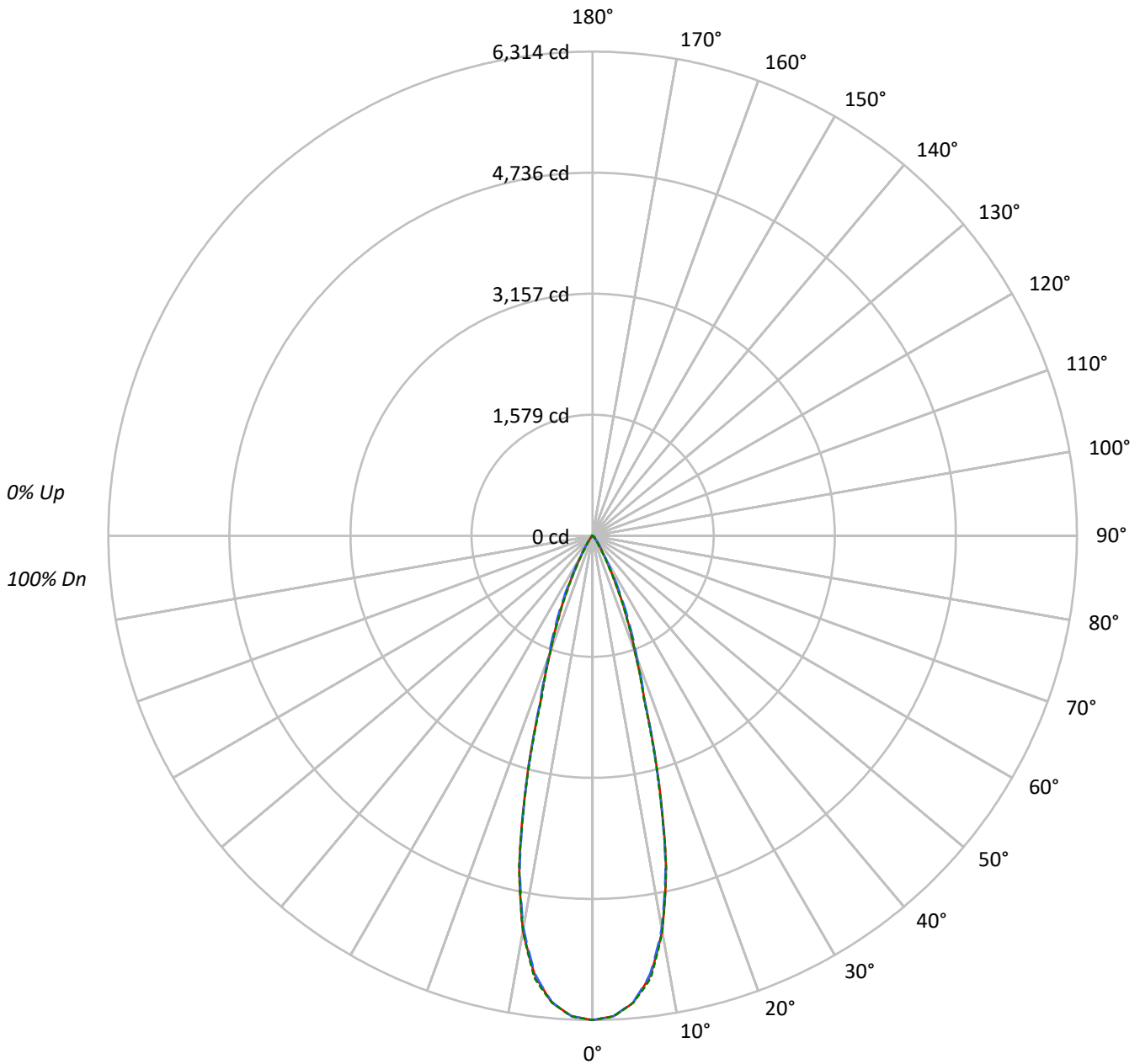


Downlight

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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°	483280	483280	483280
5°	469405	468860	469428
10°	406575	403707	406482
15°	265268	263849	262518
20°	131909	136854	131730
25°	66442	74930	65082
30°	26604	28990	23174
35°	12344	11820	9905
40°	5326	5915	5016
45°	3756	4666	3789
50°	1286	3394	1369
55°	747	1401	787
60°	520	612	520
65°	344	344	344
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4666 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.2	28.3
10°-20°	894.2	45.5
20°-30°	386.4	19.7
30°-40°	88.1	4.5
40°-50°	30.2	1.5
50°-60°	7.4	0.4
60°-70°	1.9	0.1
70°-80°	0.2	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°	1835.7	93.5
0°-40°	1923.8	98.0
0°-60°	1961.4	99.9
0°-90°	1963.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1963.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6314	6314	6314	6314	6314	
5°	6109	6103	6102	6115	6110	556
15°	3348	3307	3330	3319	3313	896
25°	787	816	887	796	771	377
35°	132	135	126	126	106	90
45°	35	43	43	43	35	25
55°	6	6	10	6	6	5
65°	2	2	2	2	2	2
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°	6313.8	6313.8	6313.8	6313.8	6313.8
2.5°	6272.0	6267.6	6270.1	6273.2	6274.4
5°	6109.2	6103.3	6102.1	6114.8	6109.5
7.5°	5780.9	5772.6	5759.9	5788.7	5815.7
10°	5231.0	5221.7	5194.1	5207.8	5229.8
12.5°	4419.2	4389.1	4388.5	4431.9	4426.0
15°	3347.5	3307.2	3329.6	3318.7	3312.8
17.5°	2251.1	2235.6	2265.4	2256.4	2217.6
20°	1619.4	1623.4	1680.1	1651.6	1617.2
22.5°	1181.7	1196.2	1263.5	1190.0	1163.1
25°	786.7	816.5	887.2	795.7	770.6
27.5°	483.9	497.5	569.1	477.7	464.0
30°	301.0	294.2	328.0	281.5	262.2
32.5°	197.5	188.8	199.6	179.2	163.7
35°	132.1	134.8	126.5	125.5	106.0
37.5°	82.5	94.9	83.7	89.3	68.2
40°	53.3	68.8	59.2	65.4	50.2
42.5°	43.7	53.0	48.7	51.8	44.6
45°	34.7	43.1	43.1	43.1	35.0
47.5°	19.2	28.8	36.9	29.4	20.5
50°	10.8	14.6	28.5	15.2	11.5
52.5°	7.4	8.4	19.5	8.7	7.7
55°	5.6	5.9	10.5	6.2	5.9
57.5°	4.3	4.6	5.6	4.6	4.3
60°	3.4	3.4	4.0	3.7	3.4
62.5°	2.5	2.5	2.8	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.9	1.2	1.2	1.2	1.2
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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