

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: P788956

Luminaire Tested: LER6D10D010-EC6DR300210IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788956
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-EC6DR300210IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1805.9 lumens
Efficiency: N/A
Efficacy: 154.3 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

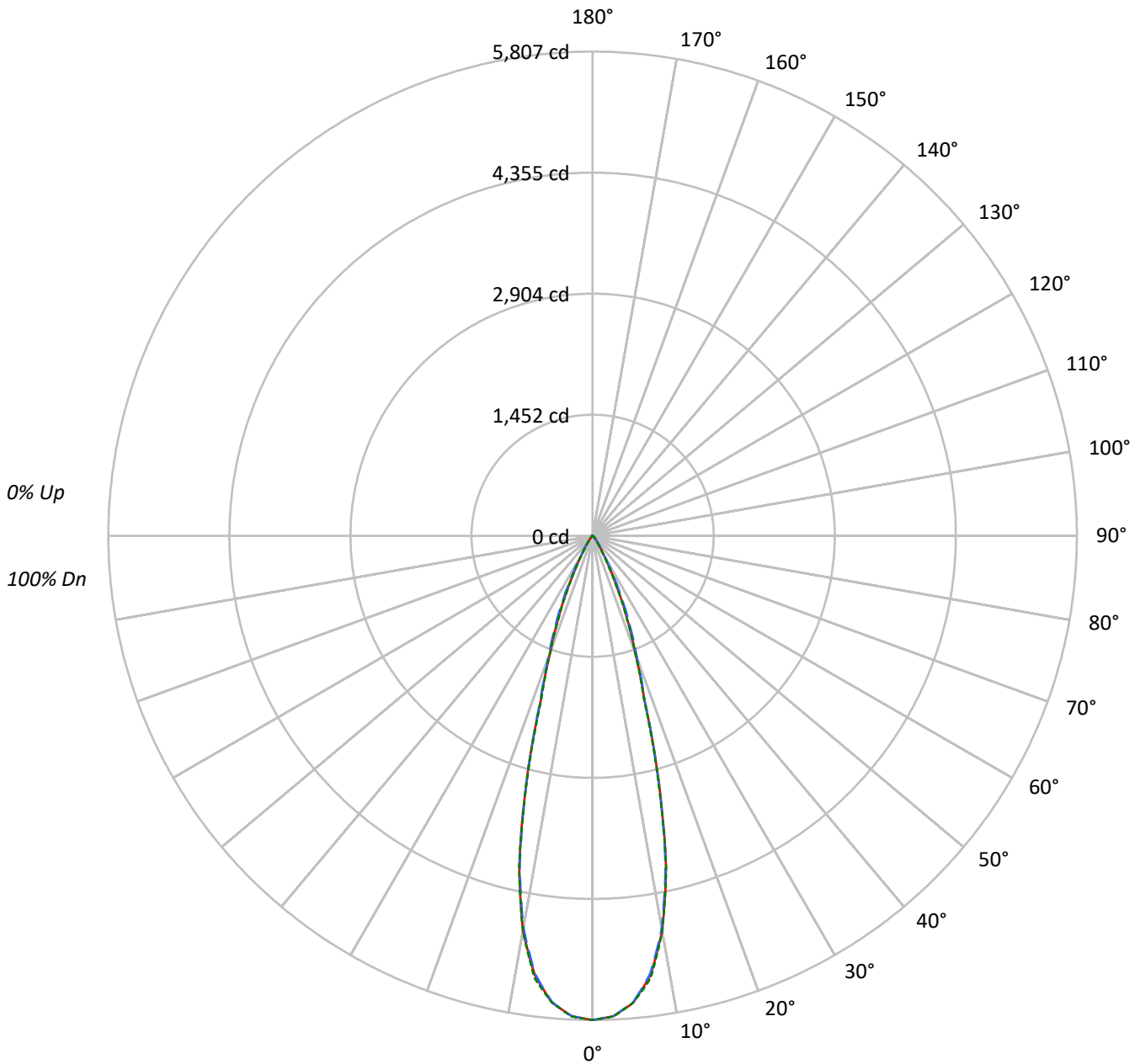
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	444472	444472	444472
5°	431710	431202	431733
10°	373923	371289	373838
15°	243967	242660	241439
20°	121312	125865	121149
25°	61113	68908	59854
30°	24465	26657	21318
35°	11344	10867	9111
40°	4896	5446	4616
45°	3453	4287	3486
50°	1191	3120	1250
55°	681	1294	721
60°	475	566	475
65°	308	308	308
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: 4287 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.6	28.3
10°-20°	822.4	45.5
20°-30°	355.4	19.7
30°-40°	81.0	4.5
40°-50°	27.8	1.5
50°-60°	6.8	0.4
60°-70°	1.8	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°	1688.3	93.5
0°-40°	1769.3	98.0
0°-60°	1803.9	99.9
0°-90°	1805.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5807	5807	5807	5807	5807	
5°	5619	5613	5612	5624	5619	511
15°	3079	3042	3062	3052	3047	824
25°	724	751	816	732	709	346
35°	121	124	116	116	98	82
45°	32	40	40	40	32	23
55°	5	5	10	6	5	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5806.8	5806.8	5806.8	5806.8	5806.8
2.5°	5768.3	5764.3	5766.6	5769.4	5770.5
5°	5618.6	5613.2	5612.0	5623.7	5618.9
7.5°	5316.7	5309.0	5297.3	5323.8	5348.6
10°	4810.9	4802.4	4777.0	4789.5	4809.8
12.5°	4064.3	4036.6	4036.0	4076.0	4070.5
15°	3078.7	3041.6	3062.2	3052.2	3046.8
17.5°	2070.3	2056.1	2083.5	2075.2	2039.5
20°	1489.3	1493.0	1545.2	1519.0	1487.3
22.5°	1086.8	1100.2	1162.0	1094.5	1069.7
25°	723.6	750.9	815.9	731.8	708.7
27.5°	445.0	457.6	523.4	439.3	426.8
30°	276.8	270.6	301.6	258.9	241.2
32.5°	181.6	173.6	183.6	164.8	150.5
35°	121.4	124.0	116.3	115.5	97.5
37.5°	75.8	87.2	77.0	82.1	62.7
40°	49.0	63.3	54.5	60.2	46.2
42.5°	40.2	48.8	44.8	47.6	41.1
45°	31.9	39.6	39.6	39.6	32.2
47.5°	17.7	26.5	33.9	27.1	18.8
50°	10.0	13.4	26.2	14.0	10.5
52.5°	6.8	7.7	18.0	8.0	7.1
55°	5.1	5.4	9.7	5.7	5.4
57.5°	4.0	4.3	5.1	4.3	4.0
60°	3.1	3.1	3.7	3.4	3.1
62.5°	2.3	2.3	2.6	2.3	2.3
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.9	1.1	1.1	1.1	1.1
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

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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