

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: P786378

Luminaire Tested: LERS6D10D010-EC6DR300210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786378
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: LERS6D10D010-EC6DR300210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 2066.9 lumens
Efficiency: N/A
Efficacy: 176.7 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

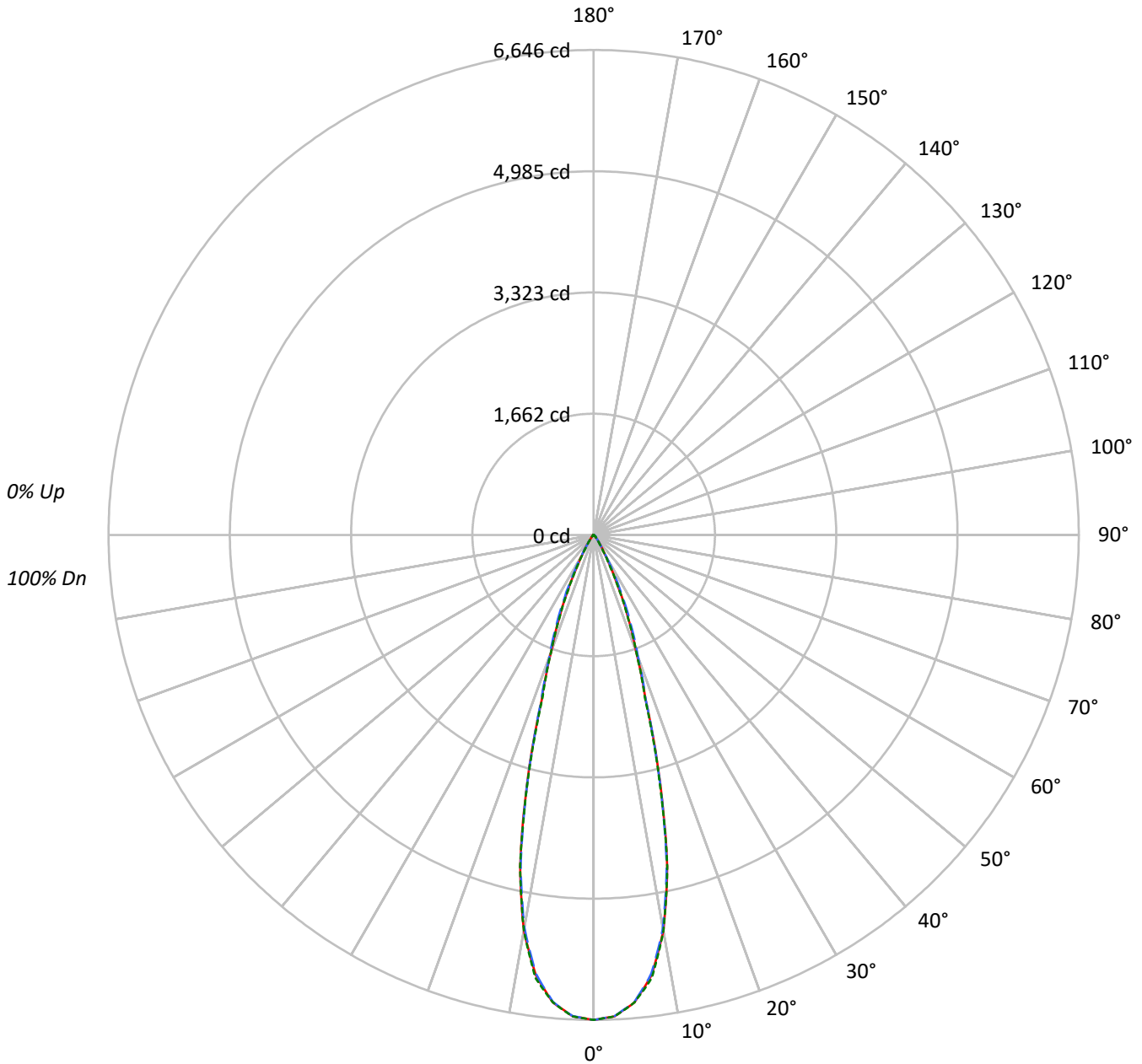


Downlight

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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°	508715	508715	508715
5°	494116	493532	494139
10°	427973	424957	427872
15°	279231	277733	276338
20°	138850	144063	138662
25°	69947	78874	68511
30°	28000	30510	24403
35°	12988	12437	10428
40°	5606	6225	5286
45°	3951	4914	3994
50°	1358	3572	1441
55°	787	1481	827
60°	551	643	551
65°	362	362	362
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.4	28.3
10°-20°	941.2	45.5
20°-30°	406.7	19.7
30°-40°	92.7	4.5
40°-50°	31.8	1.5
50°-60°	7.8	0.4
60°-70°	2.0	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°	1932.4	93.5
0°-40°	2025.1	98.0
0°-60°	2064.7	99.9
0°-90°	2066.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2066.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6646	6646	6646	6646	6646	
5°	6431	6425	6423	6437	6431	585
15°	3524	3481	3505	3493	3487	944
25°	828	860	934	838	811	396
35°	139	142	133	132	112	94
45°	36	45	45	45	37	26
55°	6	6	11	6	6	6
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°	6646.1	6646.1	6646.1	6646.1	6646.1
2.5°	6602.1	6597.5	6600.1	6603.4	6604.7
5°	6430.8	6424.6	6423.2	6436.6	6431.1
7.5°	6085.2	6076.4	6063.0	6093.4	6121.7
10°	5506.3	5496.5	5467.5	5481.9	5505.0
12.5°	4651.8	4620.1	4619.5	4665.1	4658.9
15°	3523.7	3481.3	3504.8	3493.4	3487.2
17.5°	2369.6	2353.3	2384.6	2375.1	2334.4
20°	1704.6	1708.8	1768.6	1738.5	1702.3
22.5°	1243.9	1259.2	1330.0	1252.7	1224.3
25°	828.2	859.5	933.9	837.6	811.2
27.5°	509.4	523.7	599.1	502.8	488.5
30°	316.8	309.7	345.2	296.3	276.1
32.5°	207.9	198.7	210.1	188.6	172.3
35°	139.0	141.9	133.1	132.2	111.6
37.5°	86.8	99.8	88.1	94.0	71.8
40°	56.1	72.4	62.3	68.8	52.9
42.5°	46.0	55.8	51.2	54.5	47.0
45°	36.5	45.4	45.4	45.4	36.9
47.5°	20.2	30.3	38.8	31.0	21.5
50°	11.4	15.3	30.0	16.0	12.1
52.5°	7.8	8.8	20.6	9.1	8.2
55°	5.9	6.2	11.1	6.5	6.2
57.5°	4.6	4.9	5.9	4.9	4.6
60°	3.6	3.6	4.2	3.9	3.6
62.5°	2.6	2.6	2.9	2.6	2.6
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	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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