

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: P788345

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788345
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: LER6D08D010-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: 1468.8 lumens
Efficiency: N/A
Efficacy: 165.0 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): 8.9
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

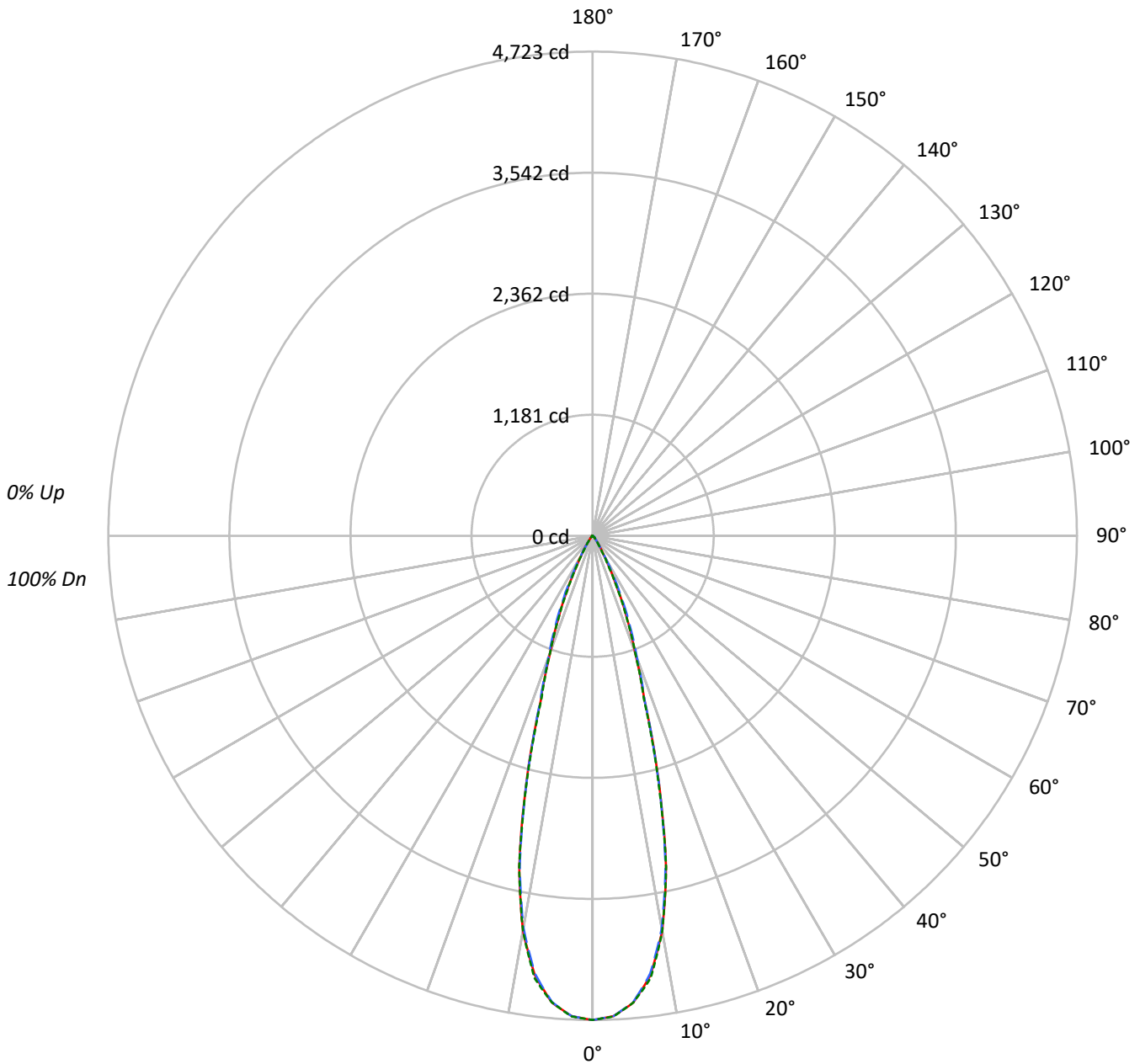


Downlight

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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	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°	361499	361499	361499
5°	351124	350709	351140
10°	304127	301982	304049
15°	198426	197356	196366
20°	98667	102374	98537
25°	49703	56045	48681
30°	19895	21681	17341
35°	9232	8840	7410
40°	3987	4426	3757
45°	2814	3486	2836
50°	965	2536	1024
55°	560	1054	587
60°	398	459	398
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.3	28.3
10°-20°	668.8	45.5
20°-30°	289.0	19.7
30°-40°	65.9	4.5
40°-50°	22.6	1.5
50°-60°	5.5	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1373.2	93.5
0°-40°	1439.0	98.0
0°-60°	1467.2	99.9
0°-90°	1468.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4723	4723	4723	4723	4723	
5°	4570	4565	4564	4574	4570	416
15°	2504	2474	2490	2482	2478	670
25°	588	611	664	595	576	282
35°	99	101	95	94	79	67
45°	26	32	32	32	26	18
55°	4	4	8	5	4	4
65°	1	1	1	1	1	1
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°	4722.8	4722.8	4722.8	4722.8	4722.8
2.5°	4691.5	4688.2	4690.1	4692.4	4693.3
5°	4569.8	4565.3	4564.4	4573.9	4570.0
7.5°	4324.2	4317.9	4308.4	4330.0	4350.2
10°	3912.9	3905.9	3885.3	3895.5	3911.9
12.5°	3305.6	3283.1	3282.6	3315.1	3310.7
15°	2504.0	2473.9	2490.5	2482.4	2478.0
17.5°	1683.9	1672.3	1694.5	1687.8	1658.8
20°	1211.3	1214.3	1256.8	1235.4	1209.7
22.5°	883.9	894.8	945.1	890.2	870.0
25°	588.5	610.8	663.6	595.2	576.4
27.5°	362.0	372.2	425.7	357.3	347.1
30°	225.1	220.0	245.3	210.5	196.2
32.5°	147.7	141.2	149.3	134.0	122.4
35°	98.8	100.9	94.6	93.9	79.3
37.5°	61.7	71.0	62.6	66.8	51.0
40°	39.9	51.5	44.3	48.9	37.6
42.5°	32.7	39.7	36.4	38.7	33.4
45°	26.0	32.2	32.2	32.2	26.2
47.5°	14.4	21.6	27.6	22.0	15.3
50°	8.1	10.9	21.3	11.4	8.6
52.5°	5.6	6.3	14.6	6.5	5.8
55°	4.2	4.4	7.9	4.6	4.4
57.5°	3.2	3.5	4.2	3.5	3.2
60°	2.6	2.6	3.0	2.8	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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