

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: P786073

Luminaire Tested: LERS6D08D010-EC6DR300210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786073
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: LERS6D08D010-EC6DR300210IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1495.3 lumens
Efficiency: N/A
Efficacy: 168.0 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

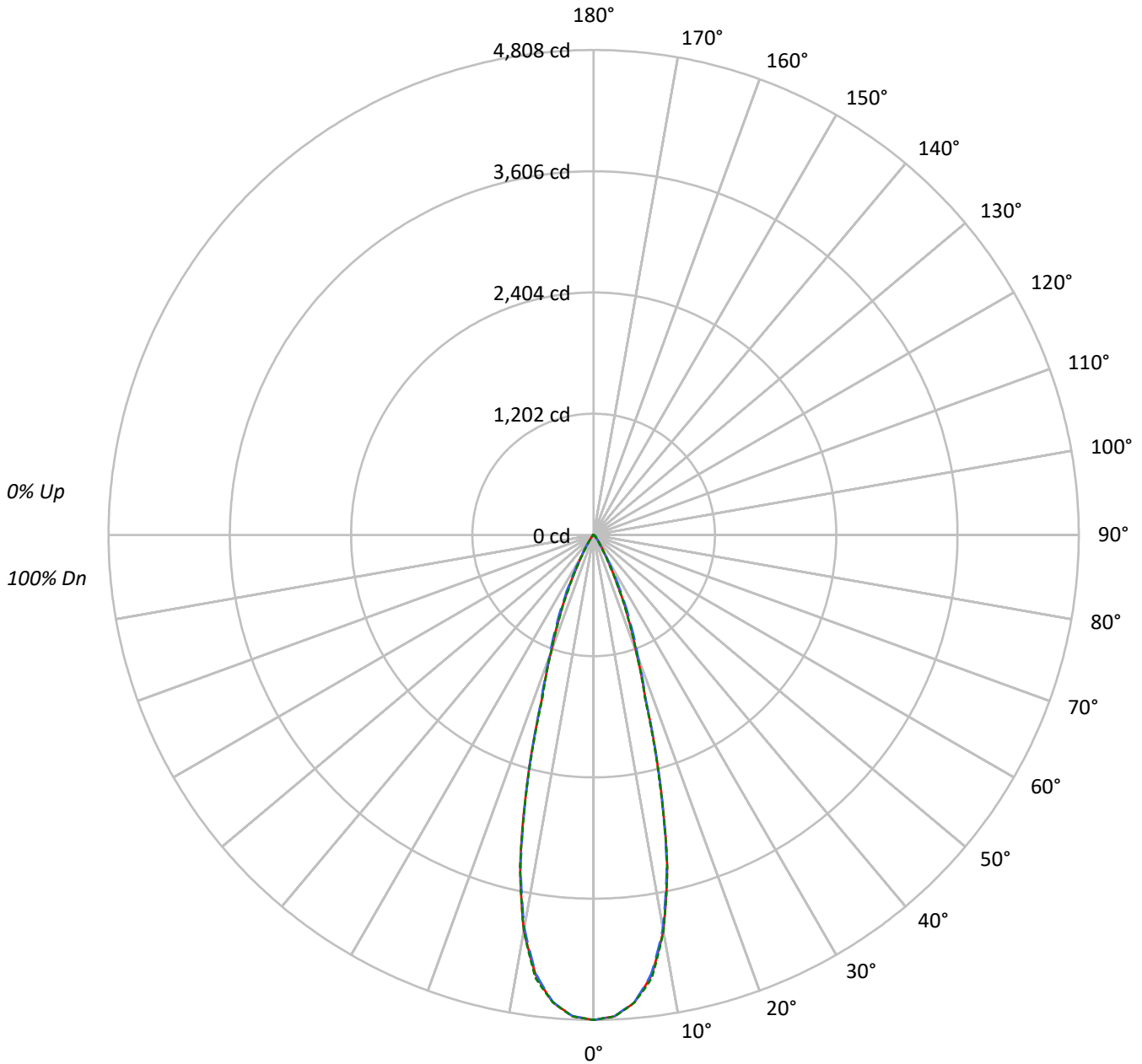


Downlight

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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	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°	368036	368036	368036
5°	357471	357048	357486
10°	309622	307438	309544
15°	202016	200930	199916
20°	100451	104223	100313
25°	50598	57059	49567
30°	20258	22078	17650
35°	9400	8998	7541
40°	4057	4506	3817
45°	2858	3551	2890
50°	988	2584	1036
55°	560	1068	601
60°	398	475	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: 3551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.8	28.3
10°-20°	680.9	45.5
20°-30°	294.3	19.7
30°-40°	67.1	4.5
40°-50°	23.0	1.5
50°-60°	5.6	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°	1398.0	93.5
0°-40°	1465.1	98.0
0°-60°	1493.7	99.9
0°-90°	1495.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1495.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4808	4808	4808	4808	4808	
5°	4652	4648	4647	4657	4653	423
15°	2549	2519	2536	2527	2523	683
25°	599	622	676	606	587	287
35°	101	103	96	96	81	68
45°	26	33	33	33	27	19
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°	4808.2	4808.2	4808.2	4808.2	4808.2
2.5°	4776.3	4773.0	4774.9	4777.2	4778.2
5°	4652.4	4647.9	4646.9	4656.6	4652.6
7.5°	4402.4	4396.0	4386.3	4408.3	4428.8
10°	3983.6	3976.5	3955.5	3965.9	3982.6
12.5°	3365.3	3342.4	3342.0	3375.0	3370.5
15°	2549.3	2518.6	2535.6	2527.3	2522.8
17.5°	1714.3	1702.5	1725.2	1718.3	1688.8
20°	1233.2	1236.3	1279.5	1257.8	1231.5
22.5°	899.9	911.0	962.2	906.3	885.7
25°	599.1	621.8	675.6	606.0	586.9
27.5°	368.5	378.9	433.4	363.8	353.4
30°	229.2	224.0	249.8	214.3	199.7
32.5°	150.4	143.8	152.0	136.4	124.6
35°	100.6	102.7	96.3	95.6	80.7
37.5°	62.8	72.2	63.7	68.0	51.9
40°	40.6	52.4	45.1	49.8	38.2
42.5°	33.3	40.4	37.1	39.4	34.0
45°	26.4	32.8	32.8	32.8	26.7
47.5°	14.6	22.0	28.1	22.4	15.6
50°	8.3	11.1	21.7	11.6	8.7
52.5°	5.7	6.4	14.9	6.6	5.9
55°	4.2	4.5	8.0	4.7	4.5
57.5°	3.3	3.5	4.2	3.5	3.3
60°	2.6	2.6	3.1	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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