

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: P788341

Luminaire Tested: LER6D08D010-EC6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788341
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-EC6DR300210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1464.5 lumens
Efficiency: N/A
Efficacy: 164.6 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

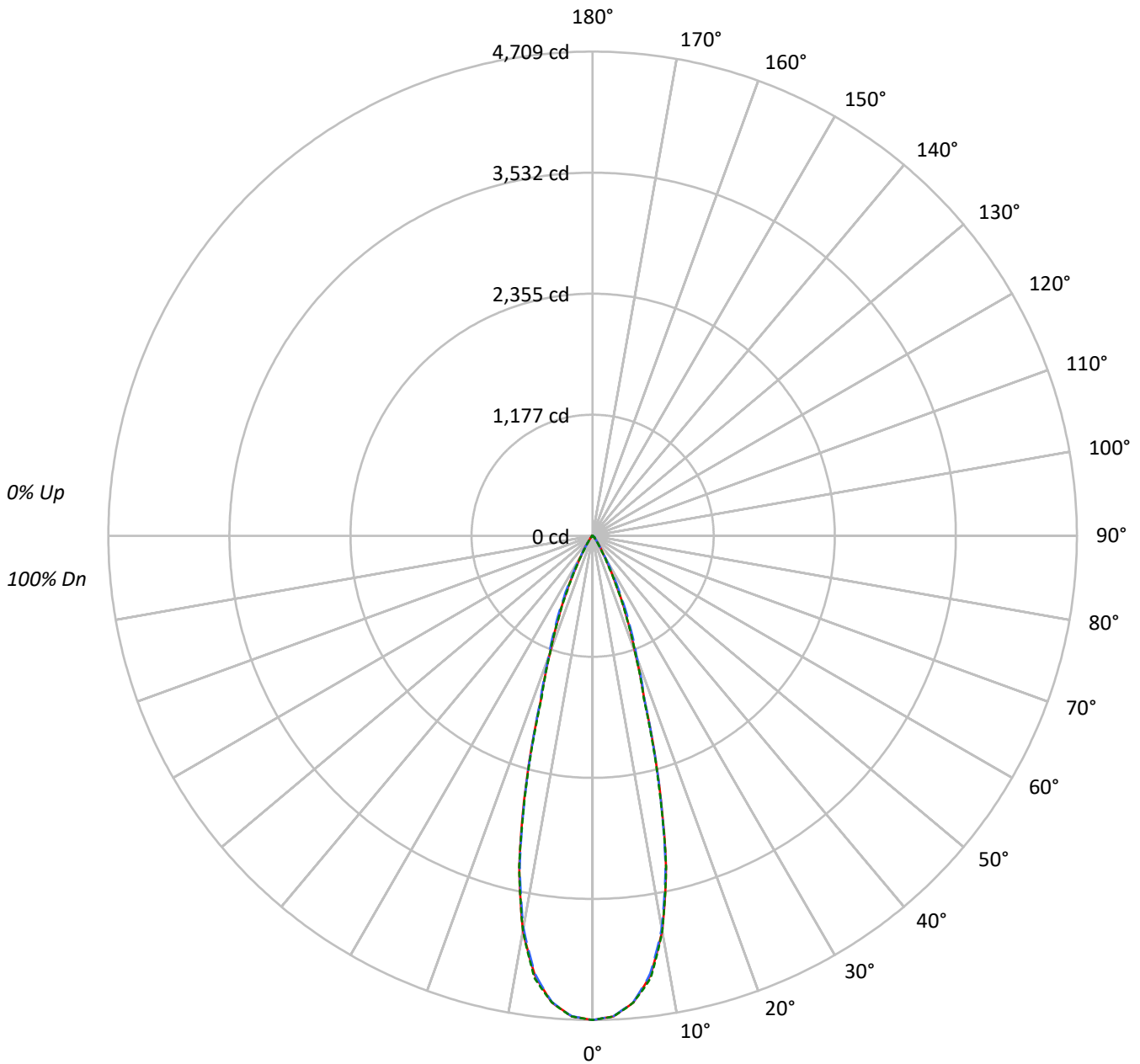
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	360458	360458	360458
5°	350110	349703	350125
10°	303249	301111	303179
15°	197855	196793	195803
20°	98382	102072	98252
25°	49559	55885	48545
30°	19842	21619	17288
35°	9204	8812	7391
40°	3977	4416	3747
45°	2804	3475	2825
50°	965	2536	1024
55°	560	1054	587
60°	383	459	383
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: 3475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.1	28.3
10°-20°	666.9	45.5
20°-30°	288.2	19.7
30°-40°	65.7	4.5
40°-50°	22.5	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°	1369.2	93.5
0°-40°	1434.9	98.0
0°-60°	1462.9	99.9
0°-90°	1464.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4709	4709	4709	4709	4709	
5°	4557	4552	4551	4561	4557	414
15°	2497	2467	2483	2475	2471	669
25°	587	609	662	594	575	281
35°	98	101	94	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°	4709.2	4709.2	4709.2	4709.2	4709.2
2.5°	4678.0	4674.7	4676.6	4678.9	4679.8
5°	4556.6	4552.2	4551.3	4560.7	4556.8
7.5°	4311.7	4305.5	4296.0	4317.5	4337.6
10°	3901.6	3894.6	3874.1	3884.2	3900.7
12.5°	3296.1	3273.6	3273.2	3305.5	3301.1
15°	2496.8	2466.7	2483.4	2475.3	2470.9
17.5°	1679.0	1667.4	1689.6	1682.9	1654.0
20°	1207.8	1210.8	1253.1	1231.9	1206.2
22.5°	881.4	892.2	942.4	887.6	867.5
25°	586.8	609.0	661.7	593.5	574.8
27.5°	360.9	371.1	424.5	356.3	346.1
30°	224.5	219.4	244.6	209.9	195.6
32.5°	147.3	140.8	148.9	133.6	122.1
35°	98.5	100.6	94.3	93.6	79.1
37.5°	61.5	70.7	62.4	66.6	50.9
40°	39.8	51.3	44.2	48.8	37.5
42.5°	32.6	39.5	36.3	38.6	33.3
45°	25.9	32.1	32.1	32.1	26.1
47.5°	14.3	21.5	27.5	22.0	15.3
50°	8.1	10.9	21.3	11.3	8.6
52.5°	5.5	6.2	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°	2.5	2.5	3.0	2.8	2.5
62.5°	1.8	1.8	2.1	1.8	1.8
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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