

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: P786053

Luminaire Tested: LERS6D08D010-EC6DR300210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786053
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-EC6DR300210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1216.9 lumens
Efficiency: N/A
Efficacy: 136.7 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): 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

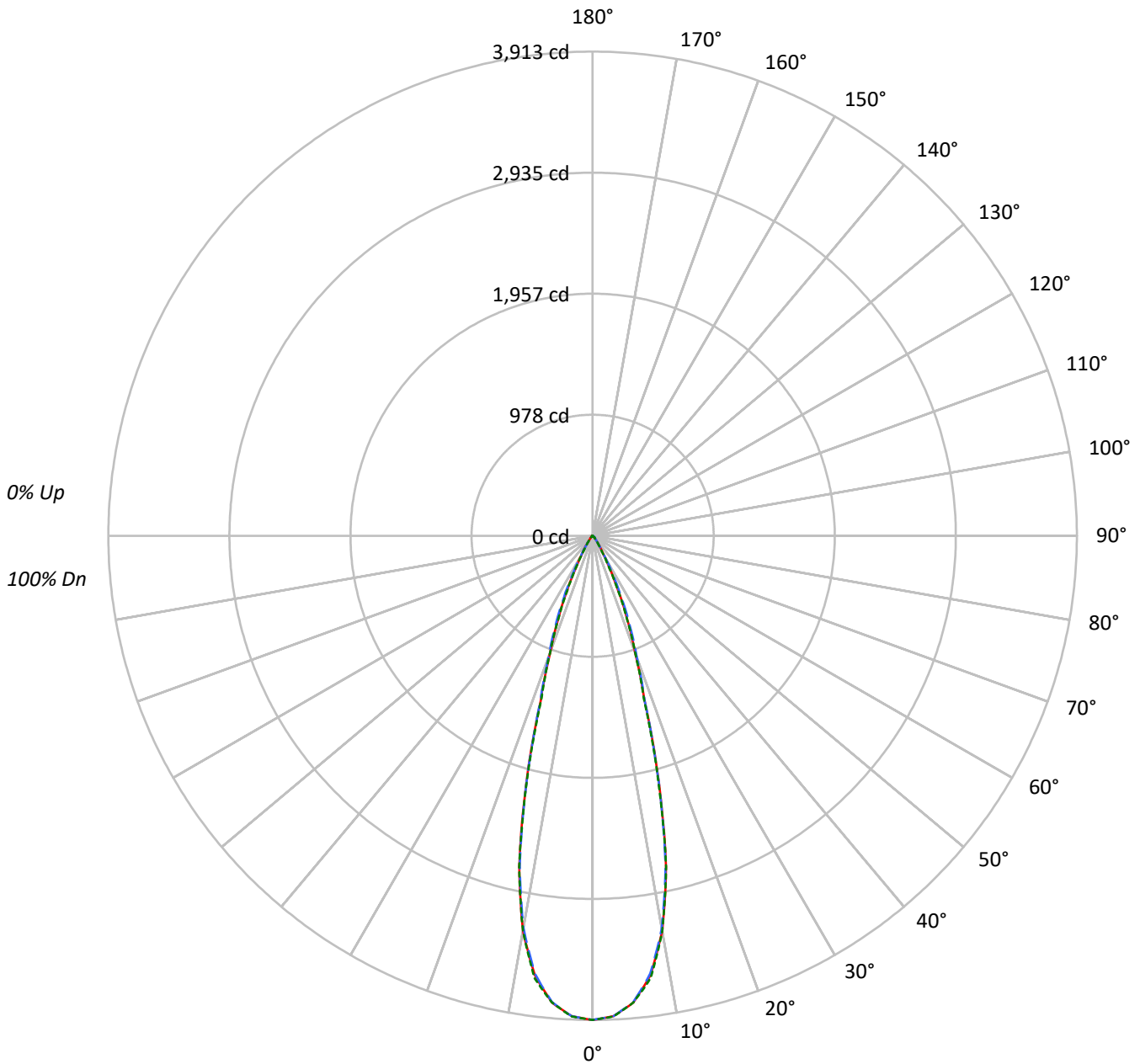


Downlight

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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°	299499	299499	299499
5°	290900	290562	290916
10°	251966	250186	251904
15°	164391	163511	162687
20°	81749	84812	81635
25°	41181	46434	40336
30°	16484	17960	14363
35°	7644	7326	6139
40°	3297	3667	3108
45°	2327	2890	2349
50°	798	2108	845
55°	467	867	480
60°	321	383	321
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.1	28.3
10°-20°	554.1	45.5
20°-30°	239.4	19.7
30°-40°	54.6	4.5
40°-50°	18.7	1.5
50°-60°	4.6	0.4
60°-70°	1.2	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°	1137.7	93.5
0°-40°	1192.2	98.0
0°-60°	1215.5	99.9
0°-90°	1216.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1216.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3913	3913	3913	3913	3913	
5°	3786	3782	3782	3790	3786	344
15°	2074	2050	2063	2057	2053	555
25°	488	506	550	493	478	233
35°	82	84	78	78	66	56
45°	22	27	27	27	22	15
55°	4	4	6	4	4	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3912.8	3912.8	3912.8	3912.8	3912.8
2.5°	3886.9	3884.2	3885.7	3887.6	3888.4
5°	3786.0	3782.4	3781.6	3789.5	3786.2
7.5°	3582.6	3577.4	3569.5	3587.4	3604.1
10°	3241.8	3236.0	3218.9	3227.4	3241.0
12.5°	2738.6	2720.0	2719.6	2746.5	2742.9
15°	2074.5	2049.6	2063.4	2056.7	2053.0
17.5°	1395.1	1385.5	1403.9	1398.3	1374.3
20°	1003.6	1006.1	1041.2	1023.5	1002.2
22.5°	732.3	741.3	783.0	737.5	720.8
25°	487.6	506.0	549.8	493.1	477.6
27.5°	299.9	308.3	352.7	296.0	287.6
30°	186.5	182.3	203.2	174.4	162.5
32.5°	122.4	117.0	123.7	111.0	101.4
35°	81.8	83.6	78.4	77.8	65.7
37.5°	51.1	58.8	51.9	55.3	42.3
40°	33.0	42.6	36.7	40.5	31.1
42.5°	27.1	32.8	30.2	32.1	27.7
45°	21.5	26.7	26.7	26.7	21.7
47.5°	11.9	17.9	22.9	18.2	12.7
50°	6.7	9.0	17.7	9.4	7.1
52.5°	4.6	5.2	12.1	5.4	4.8
55°	3.5	3.6	6.5	3.8	3.6
57.5°	2.7	2.9	3.5	2.9	2.7
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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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