

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: P785997

Luminaire Tested: LERS6D08D010-EC6DR150210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D08D010-EC6DR150210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 896.7 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

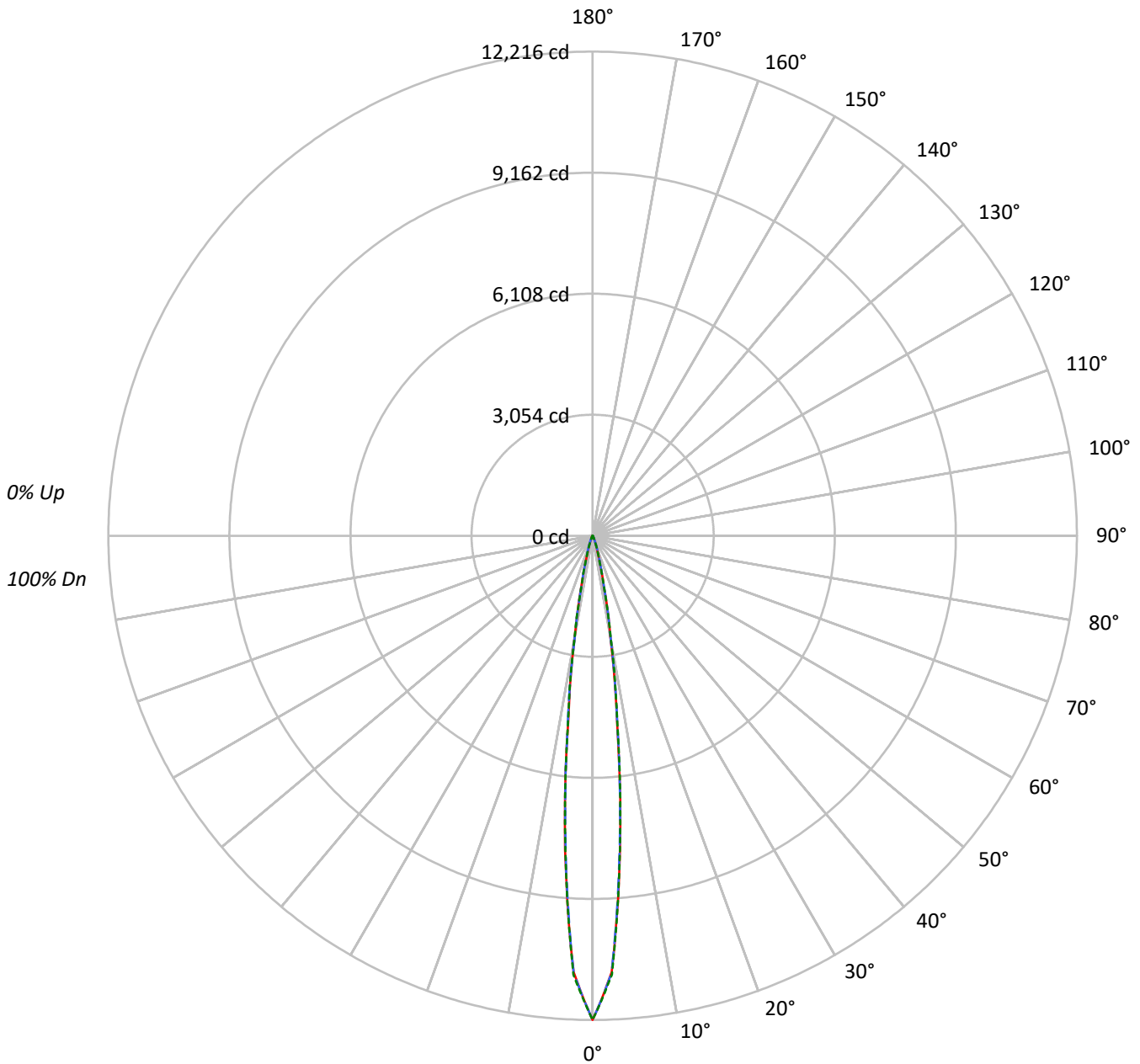


Downlight

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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						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1374600	1374600	1374600
5°	807777	797319	803620
10°	241088	242777	246491
15°	59966	61139	59245
20°	17944	20775	18320
25°	6326	8055	6403
30°	2321	3063	2359
35°	1162	1314	1126
40°	731	810	731
45°	546	581	546
50°	431	431	431
55°	362	362	362
60°	288	288	288
65°	221	221	221
70°	190	190	190
75°	121	121	159
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 581 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.5	64.9
10°-20°	239.2	26.7
20°-30°	47.5	5.3
30°-40°	11.9	1.3
40°-50°	6.2	0.7
50°-60°	4.6	0.5
60°-70°	3.3	0.4
70°-80°	1.9	0.2
80°-90°	0.5	0.1
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°	868.2	96.8
0°-40°	880.1	98.2
0°-60°	891.0	99.4
0°-90°	896.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12216	12216	12216	12216	12216	
5°	7948	7867	7845	7900	7907	580
15°	690	703	704	691	682	237
25°	81	92	103	92	82	43
35°	16	17	18	17	16	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12216.5	12216.5	12216.5	12216.5	12216.5
2.5°	11019.7	11029.1	11032.7	11043.5	11083.9
5°	7948.3	7866.6	7845.4	7899.7	7907.4
7.5°	4708.3	4724.8	4785.3	4798.8	4750.2
10°	2583.8	2605.0	2601.9	2620.5	2641.7
12.5°	1321.4	1304.8	1299.6	1320.8	1291.4
15°	690.4	703.3	703.9	691.4	682.1
17.5°	371.3	386.3	411.1	391.0	359.9
20°	219.3	232.7	253.9	237.4	223.9
22.5°	135.5	146.4	161.4	148.4	137.6
25°	81.2	92.1	103.4	91.5	82.2
27.5°	48.1	57.4	64.6	56.9	47.6
30°	31.0	36.2	40.9	35.7	31.5
32.5°	21.7	23.8	25.9	23.8	21.7
35°	16.0	17.1	18.1	17.1	15.5
37.5°	12.4	13.4	14.0	12.9	11.9
40°	10.3	10.9	11.4	10.9	10.3
42.5°	8.8	9.3	9.3	9.3	8.8
45°	7.8	7.8	8.3	7.8	7.8
47.5°	6.7	6.7	7.2	6.7	6.7
50°	6.2	6.2	6.2	6.2	6.2
52.5°	5.7	5.7	5.7	5.7	5.7
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.1	4.1	4.1	4.1	4.1
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.6	2.6	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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