

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: P788185

Luminaire Tested: LER6D08D010-EC6DR150210IC9027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788185
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: LER6D08D010-EC6DR150210IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.4 lumens
Efficiency: N/A
Efficacy: 89.7 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

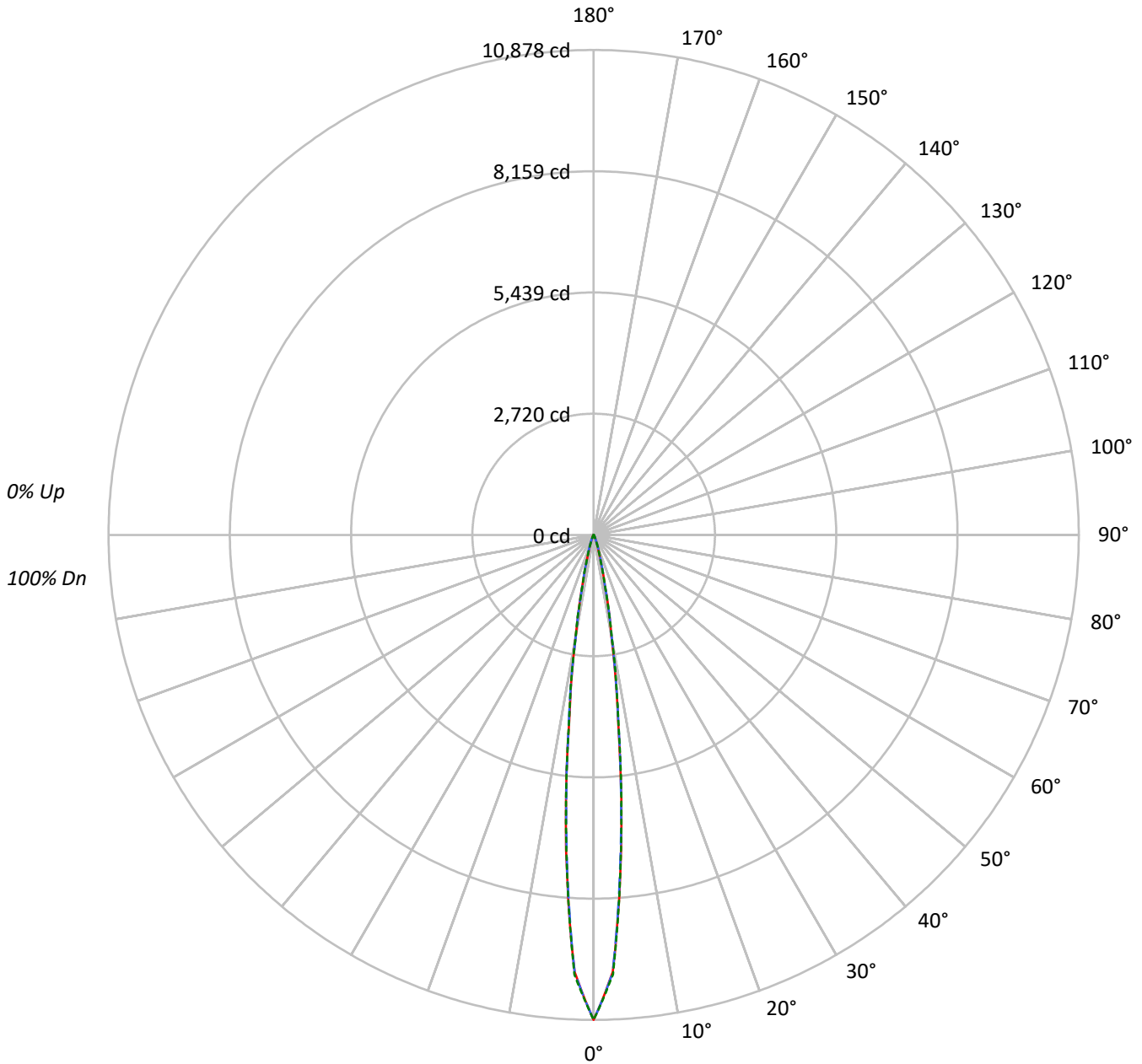
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	88	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°	1224048	1224048	1224048
5°	719309	709990	715610
10°	214682	216184	219497
15°	53400	54442	52757
20°	15980	18500	16315
25°	5632	7175	5702
30°	2067	2726	2104
35°	1038	1169	1002
40°	653	717	653
45°	483	518	483
50°	382	382	382
55°	320	320	320
60°	260	260	260
65°	200	200	200
70°	168	168	168
75°	106	106	136
80°	71	71	71
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 518 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.8	64.9
10°-20°	213.0	26.7
20°-30°	42.3	5.3
30°-40°	10.6	1.3
40°-50°	5.5	0.7
50°-60°	4.1	0.5
60°-70°	2.9	0.4
70°-80°	1.6	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°	773.1	96.8
0°-40°	783.7	98.2
0°-60°	793.4	99.4
0°-90°	798.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10878	10878	10878	10878	10878	
5°	7078	7005	6986	7034	7041	517
15°	615	626	627	616	607	211
25°	72	82	92	82	73	38
35°	14	15	16	15	14	10
45°	7	7	7	7	7	5
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	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°	10878.5	10878.5	10878.5	10878.5	10878.5
2.5°	9812.8	9821.1	9824.3	9834.0	9869.9
5°	7077.8	7005.0	6986.1	7034.5	7041.4
7.5°	4192.6	4207.3	4261.2	4273.2	4229.9
10°	2300.8	2319.7	2316.9	2333.5	2352.4
12.5°	1176.6	1161.9	1157.3	1176.2	1149.9
15°	614.8	626.3	626.8	615.7	607.4
17.5°	330.7	344.0	366.1	348.2	320.5
20°	195.3	207.2	226.1	211.4	199.4
22.5°	120.7	130.3	143.7	132.2	122.5
25°	72.3	82.0	92.1	81.5	73.2
27.5°	42.8	51.1	57.6	50.7	42.4
30°	27.6	32.2	36.4	31.8	28.1
32.5°	19.3	21.2	23.0	21.2	19.3
35°	14.3	15.2	16.1	15.2	13.8
37.5°	11.1	12.0	12.4	11.5	10.6
40°	9.2	9.7	10.1	9.7	9.2
42.5°	7.8	8.3	8.3	8.3	7.8
45°	6.9	6.9	7.4	6.9	6.9
47.5°	6.0	6.0	6.4	6.0	6.0
50°	5.5	5.5	5.5	5.5	5.5
52.5°	5.1	5.1	5.1	5.1	5.1
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.1	4.1	4.1	4.1	4.1
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.8
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
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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