

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: P786949

Luminaire Tested: LER6D02D010-EC6DR150210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786949
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: LER6D02D010-EC6DR150210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 404.6 lumens
Efficiency: N/A
Efficacy: 79.3 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): 5.1
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

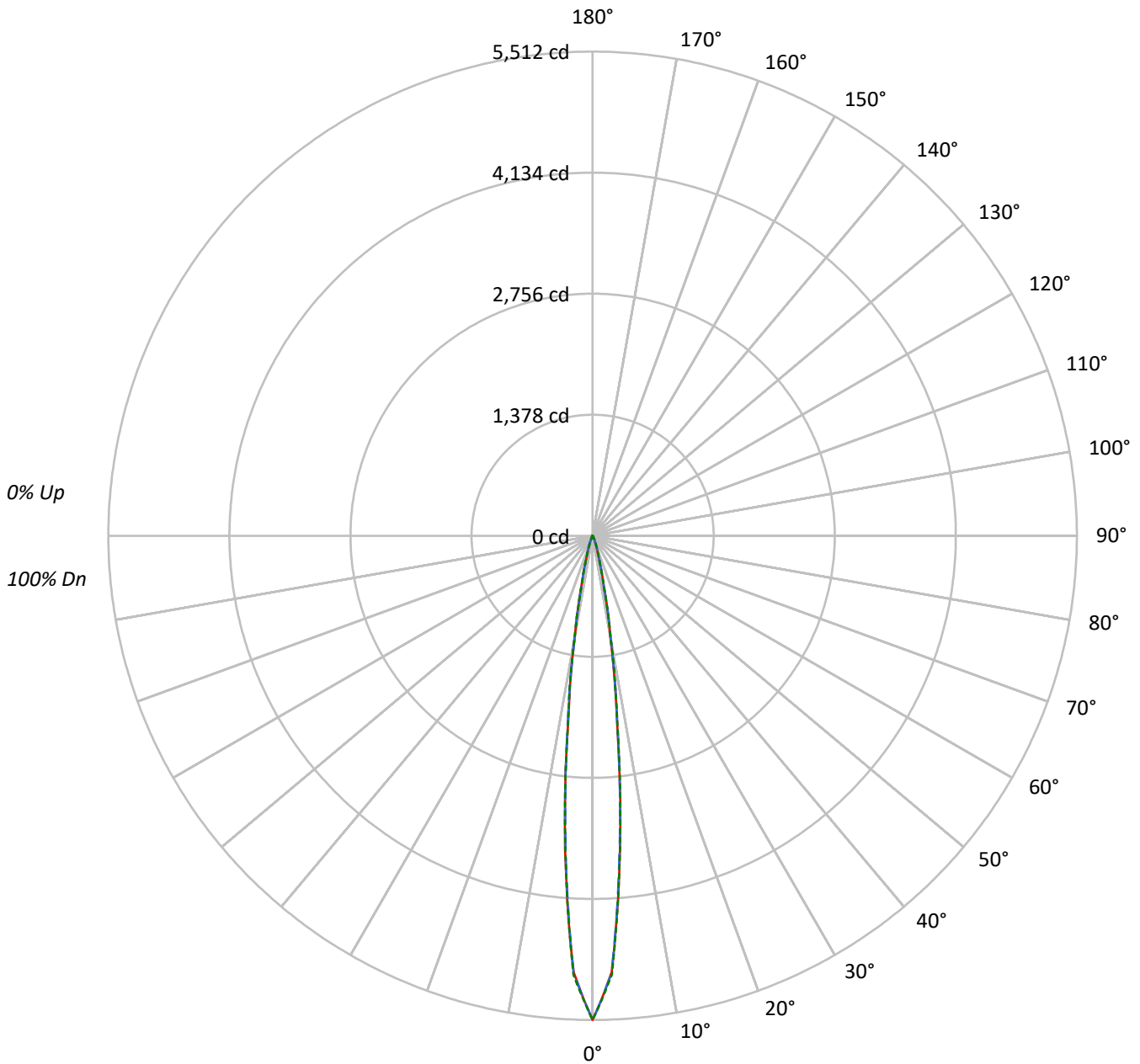


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	620266	620266	620266
5°	364492	359776	362622
10°	108787	109543	111223
15°	27056	27586	26735
20°	8092	9377	8264
25°	2851	3638	2890
30°	1048	1378	1063
35°	523	595	508
40°	334	362	334
45°	245	259	245
50°	195	195	195
55°	160	160	160
60°	133	133	133
65°	100	100	100
70°	88	88	88
75°	53	53	68
80°	39	39	39
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 259 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	64.9
10°-20°	107.9	26.7
20°-30°	21.4	5.3
30°-40°	5.3	1.3
40°-50°	2.8	0.7
50°-60°	2.1	0.5
60°-70°	1.5	0.4
70°-80°	0.8	0.2
80°-90°	0.3	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
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0°-30°	391.8	96.8
0°-40°	397.1	98.2
0°-60°	402.0	99.4
0°-90°	404.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5512	5512	5512	5512	5512	
5°	3586	3550	3540	3565	3568	262
15°	312	317	318	312	308	107
25°	37	42	47	41	37	19
35°	7	8	8	8	7	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	5512.5	5512.5	5512.5	5512.5	5512.5
2.5°	4972.5	4976.7	4978.3	4983.2	5001.4
5°	3586.5	3549.7	3540.1	3564.6	3568.1
7.5°	2124.5	2132.0	2159.3	2165.4	2143.4
10°	1165.9	1175.4	1174.0	1182.4	1192.0
12.5°	596.2	588.8	586.4	596.0	582.7
15°	311.5	317.4	317.6	312.0	307.8
17.5°	167.6	174.3	185.5	176.4	162.4
20°	98.9	105.0	114.6	107.1	101.0
22.5°	61.1	66.0	72.8	67.0	62.1
25°	36.6	41.5	46.7	41.3	37.1
27.5°	21.7	25.9	29.2	25.7	21.5
30°	14.0	16.3	18.4	16.1	14.2
32.5°	9.8	10.7	11.7	10.7	9.8
35°	7.2	7.7	8.2	7.7	7.0
37.5°	5.6	6.1	6.3	5.8	5.4
40°	4.7	4.9	5.1	4.9	4.7
42.5°	4.0	4.2	4.2	4.2	4.0
45°	3.5	3.5	3.7	3.5	3.5
47.5°	3.0	3.0	3.3	3.0	3.0
50°	2.8	2.8	2.8	2.8	2.8
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.9
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
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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