

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: P786973

Luminaire Tested: LER6D02D010-EC6DR150210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786973
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-EC6DR150210IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 433.9 lumens
Efficiency: N/A
Efficacy: 85.1 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

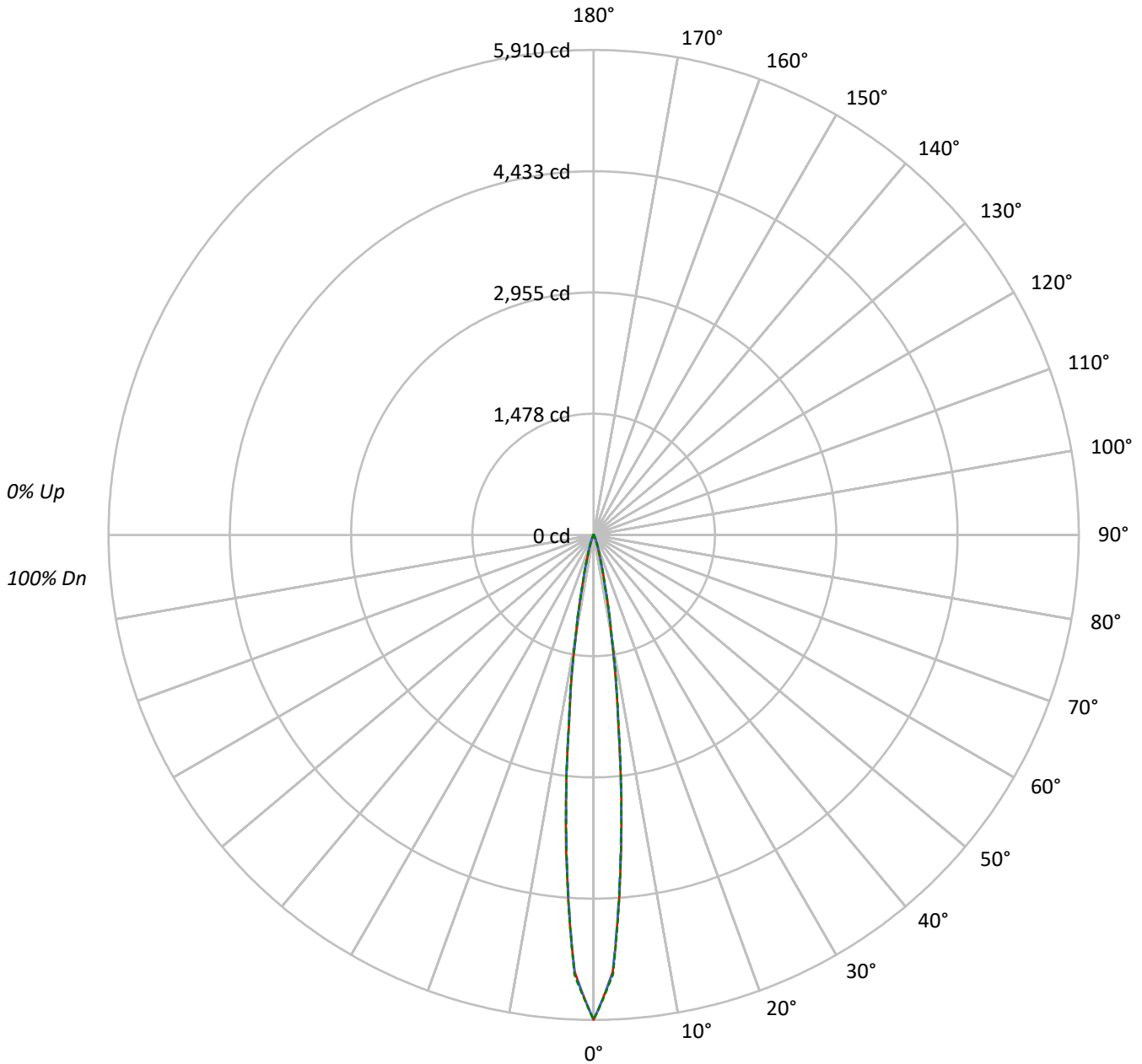
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	105	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	93	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	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	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°	664970	664970	664970
5°	390763	385702	388761
10°	116625	117446	119238
15°	29010	29575	28663
20°	8681	10048	8861
25°	3061	3895	3100
30°	1123	1483	1146
35°	566	639	545
40°	355	391	355
45°	266	280	266
50°	209	209	209
55°	174	174	174
60°	140	140	140
65°	107	107	107
70°	95	95	95
75°	60	60	76
80°	39	39	39
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 280 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	64.8
10°-20°	115.7	26.7
20°-30°	23.0	5.3
30°-40°	5.7	1.3
40°-50°	3.0	0.7
50°-60°	2.3	0.5
60°-70°	1.6	0.4
70°-80°	0.9	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
0°-30°	420.0	96.8
0°-40°	425.8	98.1
0°-60°	431.1	99.4
0°-90°	433.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5910	5910	5910	5910	5910	
5°	3845	3806	3795	3822	3825	281
15°	334	340	340	334	330	115
25°	39	44	50	44	40	21
35°	8	8	9	8	8	5
45°	4	4	4	4	4	3
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	5909.8	5909.8	5909.8	5909.8	5909.8
2.5°	5330.9	5335.4	5337.1	5342.4	5361.9
5°	3845.0	3805.5	3795.2	3821.5	3825.3
7.5°	2277.6	2285.7	2314.9	2321.4	2297.9
10°	1249.9	1260.2	1258.7	1267.7	1277.9
12.5°	639.2	631.2	628.7	639.0	624.7
15°	334.0	340.2	340.5	334.5	330.0
17.5°	179.6	186.9	198.9	189.1	174.1
20°	106.1	112.6	122.8	114.8	108.3
22.5°	65.5	70.8	78.1	71.8	66.5
25°	39.3	44.5	50.0	44.3	39.8
27.5°	23.3	27.8	31.3	27.5	23.0
30°	15.0	17.5	19.8	17.3	15.3
32.5°	10.5	11.5	12.5	11.5	10.5
35°	7.8	8.3	8.8	8.3	7.5
37.5°	6.0	6.5	6.8	6.3	5.8
40°	5.0	5.3	5.5	5.3	5.0
42.5°	4.3	4.5	4.5	4.5	4.3
45°	3.8	3.8	4.0	3.8	3.8
47.5°	3.3	3.3	3.5	3.3	3.3
50°	3.0	3.0	3.0	3.0	3.0
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.3	2.3	2.3	2.3	2.3
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.8	0.8	0.8	0.8	1.0
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3
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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