

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: P786931

Luminaire Tested: LER6D02D010-EC6DR150210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786931
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-EC6DR150210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 315.5 lumens
Efficiency: N/A
Efficacy: 61.9 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

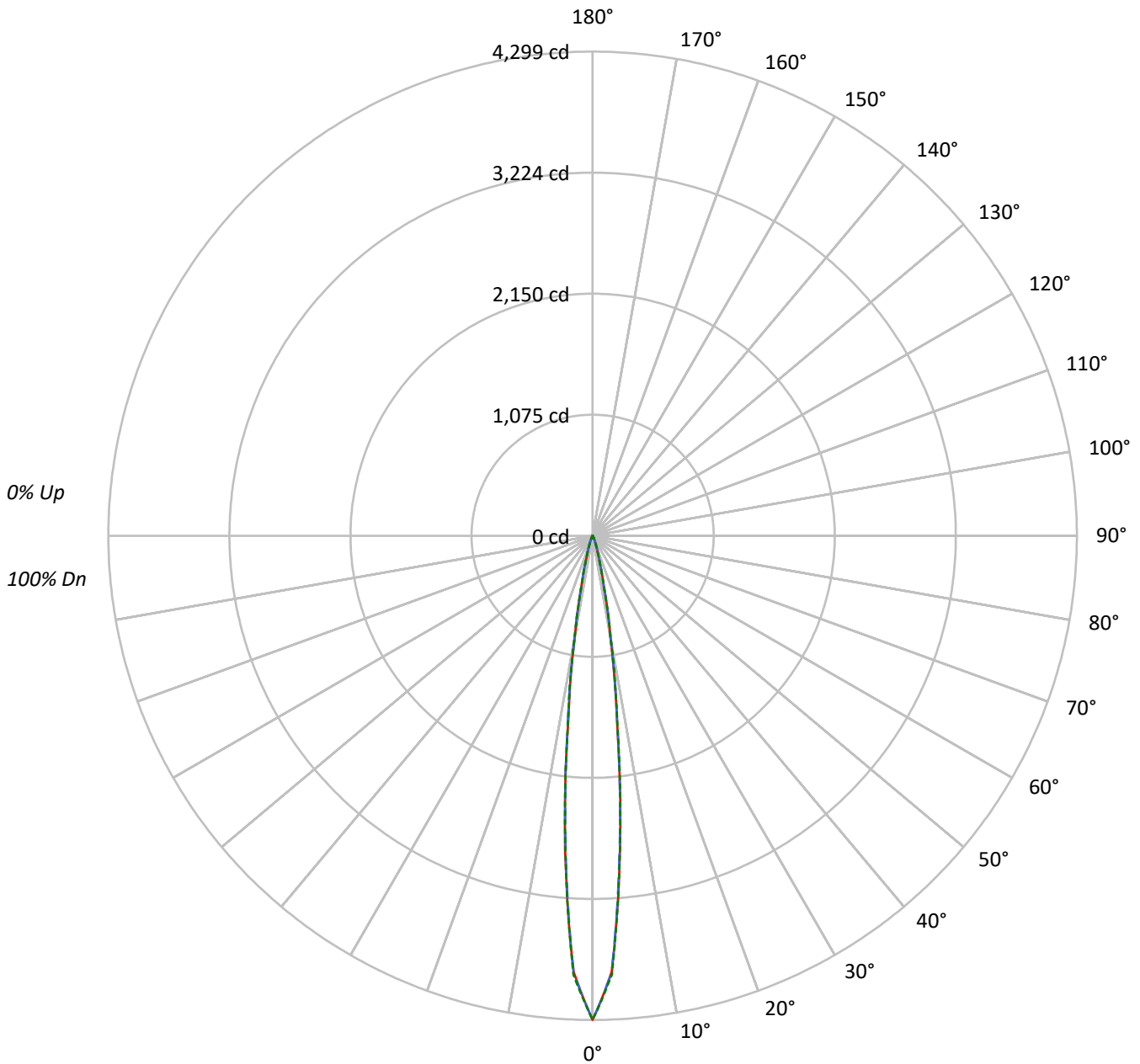
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	483701	483701	483701
5°	284246	280567	282782
10°	84835	85432	86739
15°	21098	21514	20846
20°	6317	7315	6448
25°	2228	2836	2251
30°	816	1078	831
35°	407	465	399
40°	256	284	256
45°	189	203	189
50°	153	153	153
55°	125	125	125
60°	105	105	105
65°	79	79	79
70°	66	66	66
75°	38	38	53
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 203 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	64.9
10°-20°	84.2	26.7
20°-30°	16.7	5.3
30°-40°	4.2	1.3
40°-50°	2.2	0.7
50°-60°	1.6	0.5
60°-70°	1.2	0.4
70°-80°	0.6	0.2
80°-90°	0.2	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°	305.5	96.8
0°-40°	309.7	98.2
0°-60°	313.5	99.4
0°-90°	315.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4299	4299	4299	4299	4299	
5°	2797	2768	2761	2780	2782	204
15°	243	248	248	243	240	83
25°	29	32	36	32	29	15
35°	6	6	6	6	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	4298.8	4298.8	4298.8	4298.8	4298.8
2.5°	3877.7	3881.0	3882.2	3886.1	3900.3
5°	2796.9	2768.1	2760.7	2779.8	2782.5
7.5°	1656.8	1662.6	1683.9	1688.6	1671.5
10°	909.2	916.6	915.6	922.1	929.6
12.5°	465.0	459.1	457.3	464.8	454.4
15°	242.9	247.5	247.7	243.3	240.0
17.5°	130.7	135.9	144.7	137.6	126.7
20°	77.2	81.9	89.4	83.5	78.8
22.5°	47.7	51.5	56.8	52.2	48.4
25°	28.6	32.4	36.4	32.2	28.9
27.5°	16.9	20.2	22.7	20.0	16.7
30°	10.9	12.7	14.4	12.6	11.1
32.5°	7.6	8.4	9.1	8.4	7.6
35°	5.6	6.0	6.4	6.0	5.5
37.5°	4.4	4.7	4.9	4.5	4.2
40°	3.6	3.8	4.0	3.8	3.6
42.5°	3.1	3.3	3.3	3.3	3.1
45°	2.7	2.7	2.9	2.7	2.7
47.5°	2.4	2.4	2.5	2.4	2.4
50°	2.2	2.2	2.2	2.2	2.2
52.5°	2.0	2.0	2.0	2.0	2.0
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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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