

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P787555

Luminaire Tested: LER6D05D010-EC6DR150210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787555
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: LER6D05D010-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: 575.3 lumens
Efficiency: N/A
Efficacy: 76.7 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

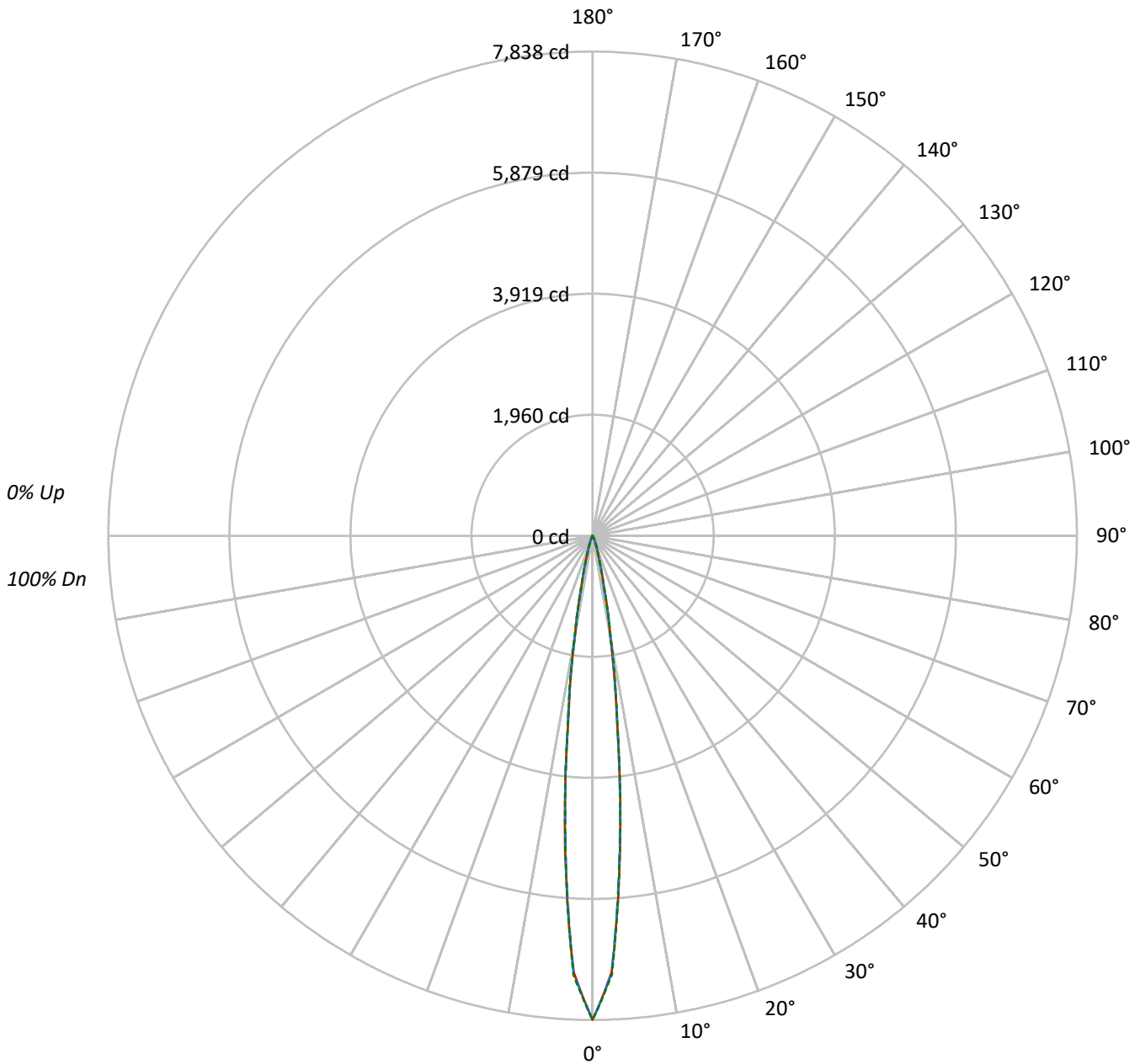
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	881875	881875	881875
5°	518236	511519	515563
10°	154667	155749	158138
15°	38469	39225	38009
20°	11512	13329	11758
25°	4059	5173	4113
30°	1490	1962	1513
35°	748	842	726
40°	469	518	469
45°	350	371	350
50°	278	278	278
55°	230	230	230
60°	190	190	190
65°	143	143	143
70°	124	124	124
75°	76	76	98
80°	55	55	55
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 371 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.1	64.9
10°-20°	153.5	26.7
20°-30°	30.5	5.3
30°-40°	7.6	1.3
40°-50°	4.0	0.7
50°-60°	3.0	0.5
60°-70°	2.1	0.4
70°-80°	1.2	0.2
80°-90°	0.4	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°	557.0	96.8
0°-40°	564.6	98.2
0°-60°	571.6	99.4
0°-90°	575.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7838	7838	7838	7838	7838	
5°	5099	5047	5033	5068	5073	372
15°	443	451	452	444	438	152
25°	52	59	66	59	53	27
35°	10	11	12	11	10	7
45°	5	5	5	5	5	4
55°	3	3	3	3	3	3
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7837.5	7837.5	7837.5	7837.5	7837.5
2.5°	7069.7	7075.7	7078.0	7085.0	7110.9
5°	5099.3	5046.8	5033.2	5068.1	5073.0
7.5°	3020.6	3031.2	3070.0	3078.7	3047.5
10°	1657.6	1671.2	1669.2	1681.2	1694.8
12.5°	847.7	837.1	833.8	847.4	828.5
15°	442.9	451.2	451.6	443.6	437.6
17.5°	238.2	247.8	263.8	250.8	230.9
20°	140.7	149.3	162.9	152.3	143.7
22.5°	86.9	93.9	103.5	95.2	88.3
25°	52.1	59.1	66.4	58.7	52.8
27.5°	30.9	36.8	41.5	36.5	30.5
30°	19.9	23.2	26.2	22.9	20.2
32.5°	13.9	15.3	16.6	15.3	13.9
35°	10.3	10.9	11.6	10.9	10.0
37.5°	8.0	8.6	9.0	8.3	7.6
40°	6.6	7.0	7.3	7.0	6.6
42.5°	5.6	6.0	6.0	6.0	5.6
45°	5.0	5.0	5.3	5.0	5.0
47.5°	4.3	4.3	4.6	4.3	4.3
50°	4.0	4.0	4.0	4.0	4.0
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.0	3.0	3.0	3.0	3.0
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.3
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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