

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: P789570

Luminaire Tested: LER6D15D010-EC6DR300215IC9024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR300215IC9024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2077.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

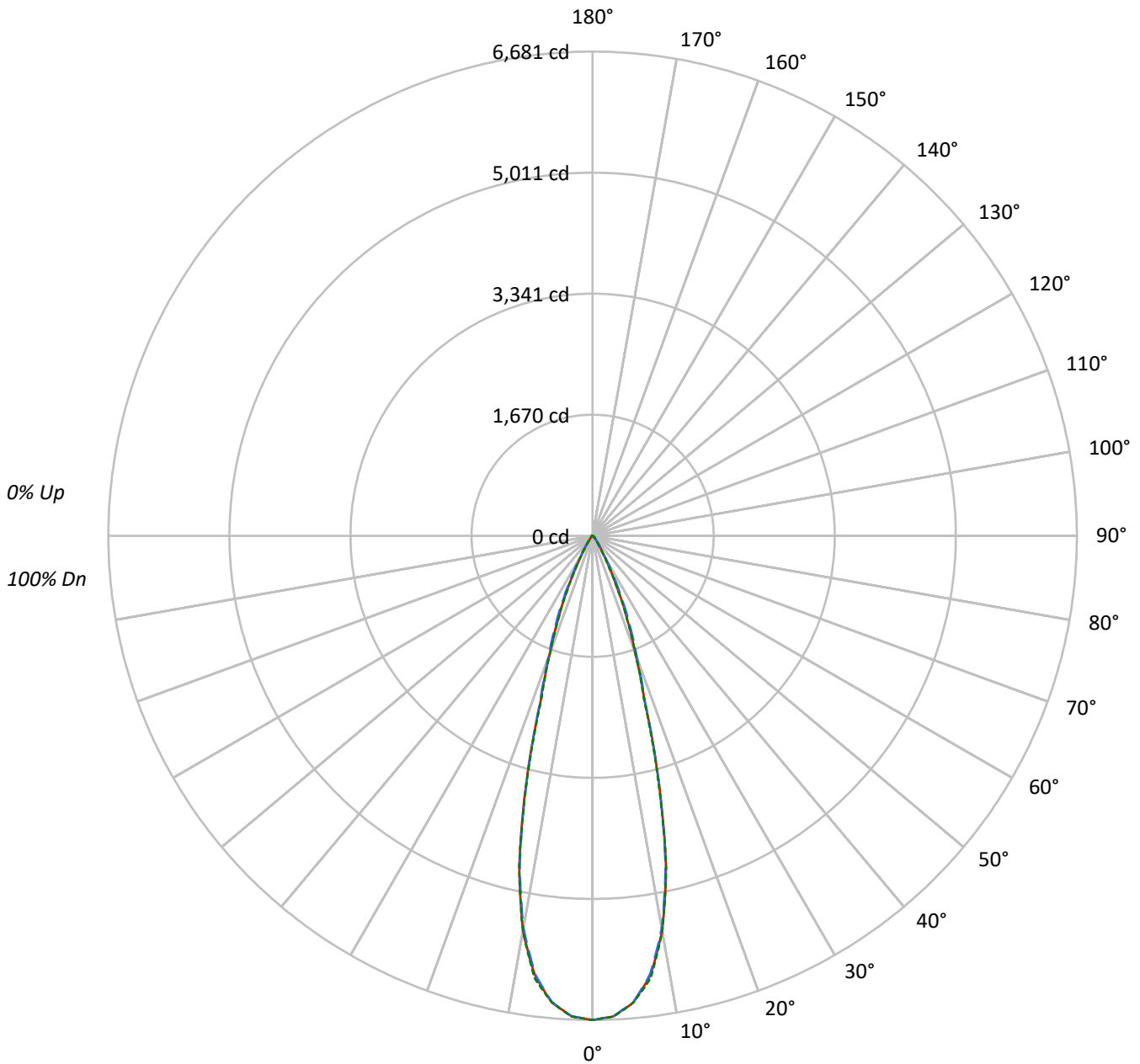
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	511409	511409	511409
5°	496728	496152	496759
10°	430242	427211	430141
15°	280712	279207	277804
20°	139583	144820	139395
25°	70310	79288	68874
30°	28151	30678	24527
35°	13054	12503	10484
40°	5636	6265	5306
45°	3973	4936	4016
50°	1369	3596	1441
55°	787	1495	827
60°	551	658	551
65°	362	362	362
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.5	28.3
10°-20°	946.2	45.5
20°-30°	408.9	19.7
30°-40°	93.2	4.5
40°-50°	32.0	1.5
50°-60°	7.8	0.4
60°-70°	2.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	1942.6	93.5
0°-40°	2035.8	98.0
0°-60°	2075.6	99.9
0°-90°	2077.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6681	6681	6681	6681	6681	
5°	6465	6459	6457	6471	6465	588
15°	3542	3500	3523	3512	3506	949
25°	832	864	939	842	816	399
35°	140	143	134	133	112	95
45°	37	46	46	46	37	26
55°	6	6	11	7	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	6681.3	6681.3	6681.3	6681.3	6681.3
2.5°	6637.1	6632.5	6635.1	6638.4	6639.7
5°	6464.8	6458.6	6457.3	6470.8	6465.2
7.5°	6117.5	6108.6	6095.2	6125.7	6154.2
10°	5535.5	5525.7	5496.5	5510.9	5534.2
12.5°	4676.4	4644.6	4643.9	4689.9	4683.6
15°	3542.4	3499.8	3523.4	3511.9	3505.7
17.5°	2382.2	2365.8	2397.3	2387.7	2346.7
20°	1713.6	1717.9	1777.9	1747.8	1711.3
22.5°	1250.5	1265.9	1337.1	1259.3	1230.8
25°	832.5	864.0	938.8	842.1	815.5
27.5°	512.1	526.5	602.3	505.5	491.1
30°	318.5	311.3	347.1	297.9	277.5
32.5°	209.0	199.8	211.3	189.6	173.2
35°	139.7	142.7	133.8	132.9	112.2
37.5°	87.3	100.4	88.6	94.5	72.2
40°	56.4	72.8	62.7	69.2	53.1
42.5°	46.3	56.1	51.5	54.8	47.2
45°	36.7	45.6	45.6	45.6	37.1
47.5°	20.3	30.5	39.0	31.2	21.7
50°	11.5	15.4	30.2	16.1	12.1
52.5°	7.9	8.9	20.7	9.2	8.2
55°	5.9	6.2	11.2	6.6	6.2
57.5°	4.6	4.9	5.9	4.9	4.6
60°	3.6	3.6	4.3	3.9	3.6
62.5°	2.6	2.6	3.0	2.6	2.6
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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