

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: P789601

Luminaire Tested: LER6D15D010-EC6DR300215IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789601
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-EC6DR300215IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583.8 lumens
Efficiency: N/A
Efficacy: 163.5 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

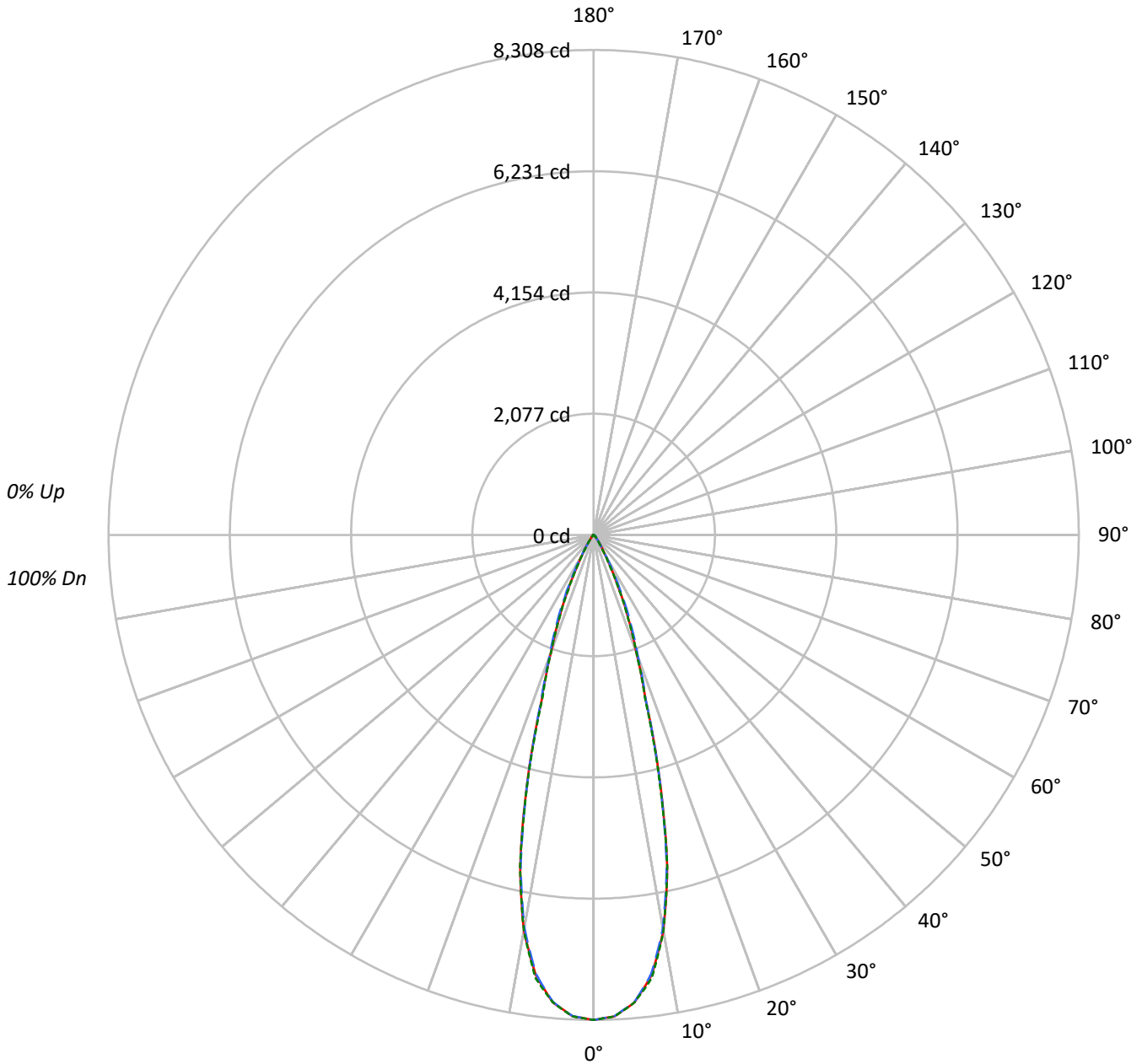
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	635938	635938	635938
5°	617683	616961	617714
10°	535007	531237	534882
15°	349068	347190	345446
20°	173574	180082	173338
25°	87438	98594	85647
30°	35009	38147	30502
35°	16240	15549	13035
40°	7014	7784	6605
45°	4947	6138	4990
50°	1703	4466	1798
55°	974	1855	1041
60°	689	811	689
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6138 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.6	28.3
10°-20°	1176.6	45.5
20°-30°	508.4	19.7
30°-40°	115.9	4.5
40°-50°	39.8	1.5
50°-60°	9.7	0.4
60°-70°	2.5	0.1
70°-80°	0.3	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°	2415.6	93.5
0°-40°	2531.5	98.0
0°-60°	2581.0	99.9
0°-90°	2583.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2583.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8308	8308	8308	8308	8308	
5°	8039	8031	8030	8046	8039	731
15°	4405	4352	4381	4367	4359	1179
25°	1035	1074	1167	1047	1014	496
35°	174	177	166	165	140	118
45°	46	57	57	57	46	32
55°	7	8	14	8	8	7
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°	8308.2	8308.2	8308.2	8308.2	8308.2
2.5°	8253.2	8247.4	8250.7	8254.8	8256.4
5°	8039.0	8031.3	8029.6	8046.3	8039.4
7.5°	7607.0	7596.0	7579.3	7617.2	7652.7
10°	6883.4	6871.2	6834.9	6852.8	6881.8
12.5°	5815.1	5775.5	5774.7	5831.8	5824.1
15°	4405.0	4351.9	4381.3	4367.0	4359.3
17.5°	2962.2	2941.8	2981.0	2969.1	2918.2
20°	2130.9	2136.2	2210.8	2173.3	2128.0
22.5°	1554.9	1574.1	1662.6	1565.9	1530.5
25°	1035.3	1074.4	1167.4	1047.1	1014.1
27.5°	636.7	654.7	748.9	628.6	610.6
30°	396.1	387.1	431.6	370.4	345.1
32.5°	259.8	248.4	262.7	235.8	215.4
35°	173.8	177.4	166.4	165.2	139.5
37.5°	108.5	124.8	110.1	117.5	89.7
40°	70.2	90.6	77.9	86.1	66.1
42.5°	57.5	69.8	64.0	68.1	58.7
45°	45.7	56.7	56.7	56.7	46.1
47.5°	25.3	37.9	48.5	38.8	26.9
50°	14.3	19.2	37.5	20.0	15.1
52.5°	9.8	11.0	25.7	11.4	10.2
55°	7.3	7.8	13.9	8.2	7.8
57.5°	5.7	6.1	7.3	6.1	5.7
60°	4.5	4.5	5.3	4.9	4.5
62.5°	3.3	3.3	3.7	3.3	3.3
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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

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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