

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: P789609

Luminaire Tested: LER6D15D010-EC6DR300215IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789609
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-EC6DR300215IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2553.3 lumens
Efficiency: N/A
Efficacy: 161.6 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

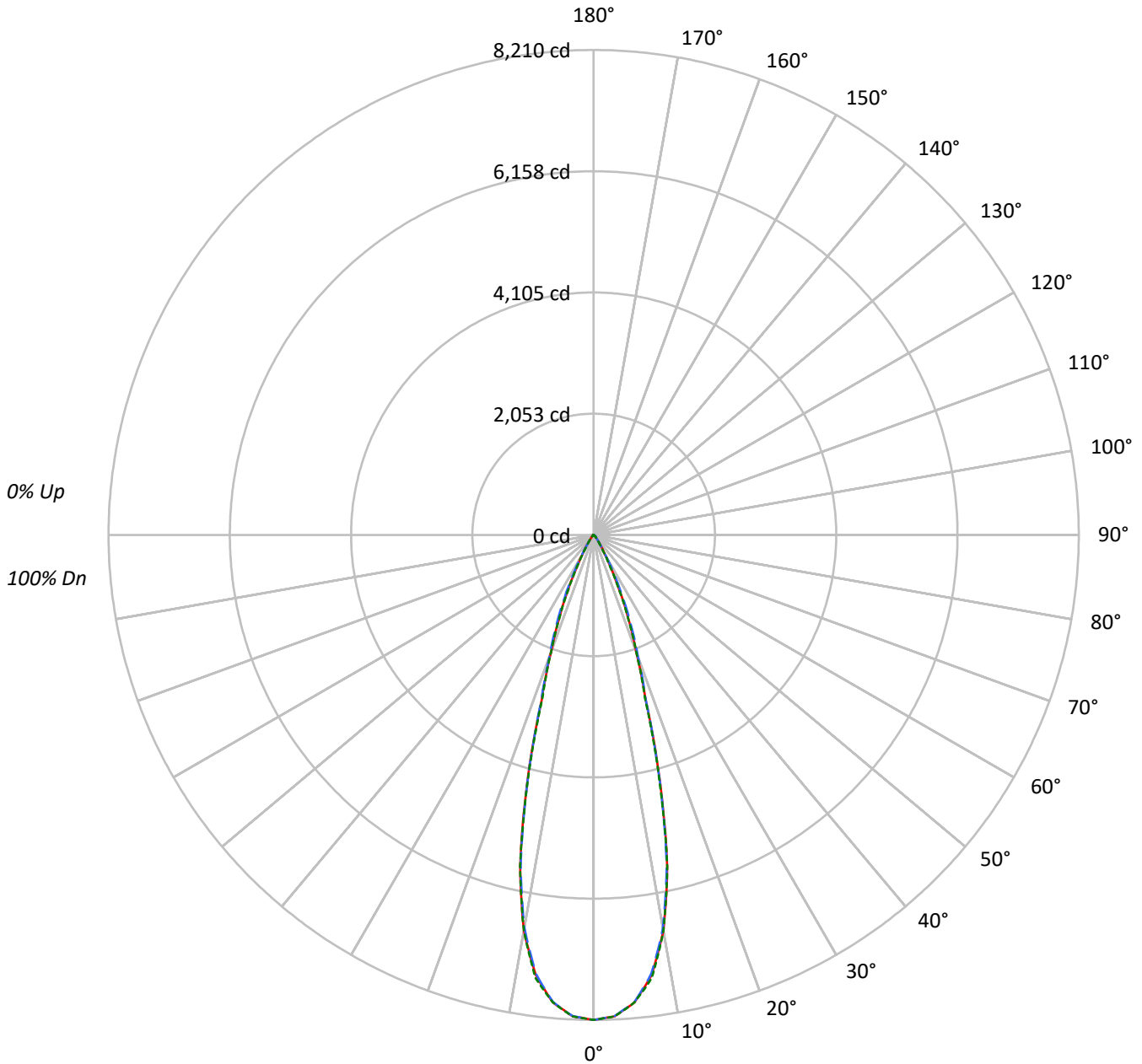
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	628437	628437	628437
5°	610399	609684	610430
10°	528696	524973	528571
15°	344947	343093	341373
20°	171530	177965	171293
25°	86407	97437	84634
30°	34594	37696	30139
35°	16044	15371	12886
40°	6924	7694	6525
45°	4882	6062	4925
50°	1679	4418	1774
55°	974	1828	1028
60°	674	796	674
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: 6062 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.0	28.3
10°-20°	1162.7	45.5
20°-30°	502.5	19.7
30°-40°	114.5	4.5
40°-50°	39.3	1.5
50°-60°	9.6	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°	2387.1	93.5
0°-40°	2501.7	98.0
0°-60°	2550.6	99.9
0°-90°	2553.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2553.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8210	8210	8210	8210	8210	
5°	7944	7936	7935	7952	7945	723
15°	4353	4301	4330	4316	4308	1166
25°	1023	1062	1154	1035	1002	490
35°	172	175	164	163	138	116
45°	45	56	56	56	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8210.2	8210.2	8210.2	8210.2	8210.2
2.5°	8155.8	8150.2	8153.4	8157.4	8159.1
5°	7944.2	7936.5	7934.9	7951.5	7944.6
7.5°	7517.3	7506.4	7489.9	7527.4	7562.5
10°	6802.2	6790.1	6754.3	6772.0	6800.6
12.5°	5746.5	5707.4	5706.6	5763.1	5755.4
15°	4353.0	4300.6	4329.6	4315.5	4307.9
17.5°	2927.3	2907.1	2945.8	2934.1	2883.7
20°	2105.8	2111.0	2184.8	2147.7	2102.9
22.5°	1536.6	1555.5	1643.0	1547.5	1512.4
25°	1023.1	1061.8	1153.7	1034.7	1002.1
27.5°	629.2	647.0	740.1	621.2	603.4
30°	391.4	382.5	426.5	366.0	341.0
32.5°	256.8	245.5	259.6	233.0	212.8
35°	171.7	175.3	164.5	163.3	137.9
37.5°	107.2	123.3	108.8	116.1	88.7
40°	69.3	89.5	77.0	85.1	65.3
42.5°	56.8	68.9	63.3	67.3	58.0
45°	45.1	56.0	56.0	56.0	45.5
47.5°	25.0	37.5	48.0	38.3	26.6
50°	14.1	18.9	37.1	19.8	14.9
52.5°	9.7	10.9	25.4	11.3	10.1
55°	7.3	7.7	13.7	8.1	7.7
57.5°	5.6	6.0	7.3	6.0	5.6
60°	4.4	4.4	5.2	4.8	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
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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