

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: P789586

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789586
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-EC6DR300215IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2381.7 lumens
Efficiency: N/A
Efficacy: 150.7 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

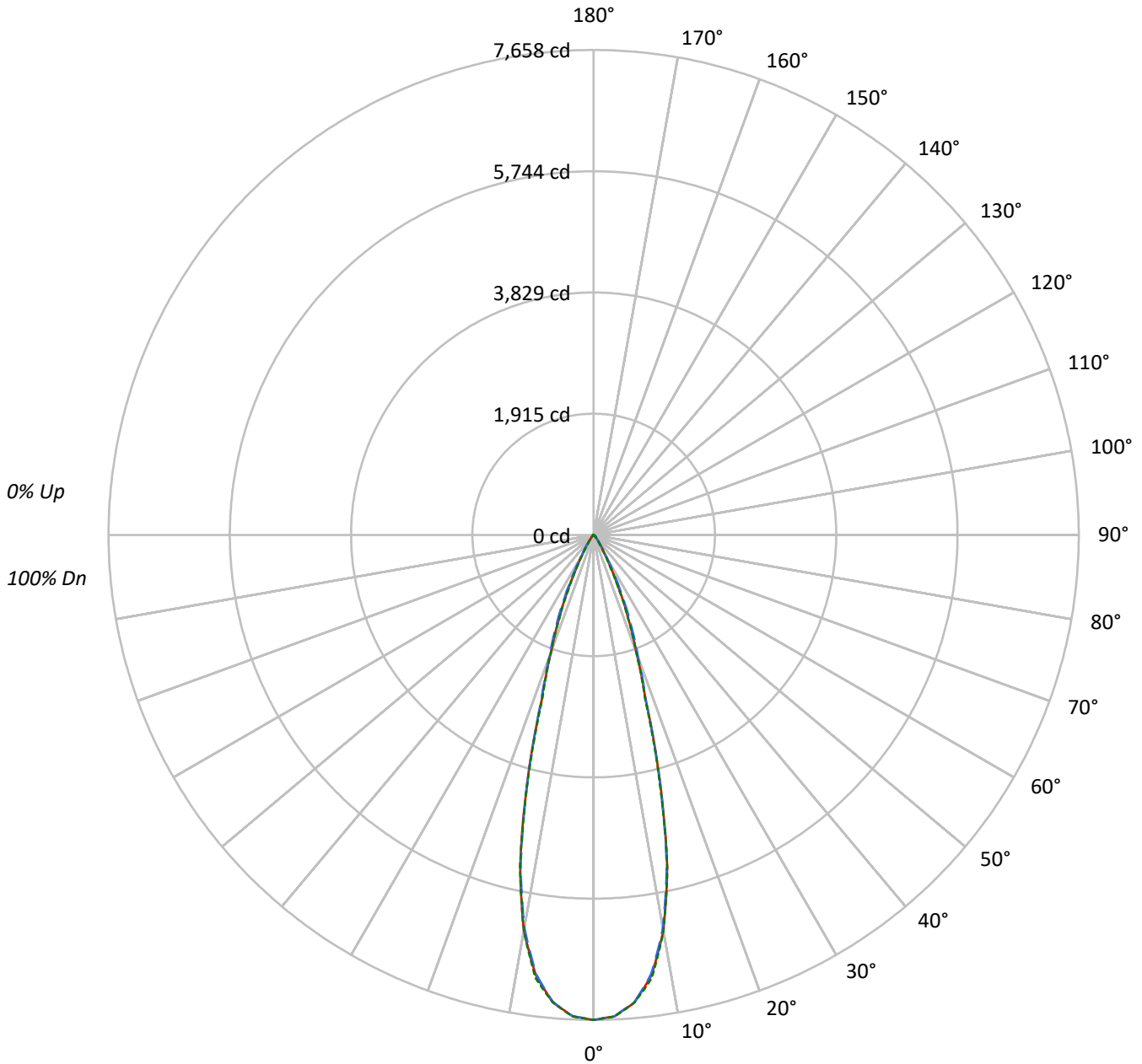
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	586192	586192	586192
5°	569361	568700	569392
10°	493152	489678	493036
15°	321761	320033	318424
20°	159995	165999	159784
25°	80597	90883	78941
30°	32269	35159	28115
35°	14969	14334	12017
40°	6465	7174	6085
45°	4557	5661	4601
50°	1572	4120	1655
55°	907	1708	947
60°	628	750	628
65°	417	417	417
70°	246	179	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5661 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.4	28.3
10°-20°	1084.6	45.5
20°-30°	468.7	19.7
30°-40°	106.8	4.5
40°-50°	36.7	1.5
50°-60°	9.0	0.4
60°-70°	2.3	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°	2226.7	93.5
0°-40°	2333.5	98.0
0°-60°	2379.1	99.9
0°-90°	2381.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2381.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7658	7658	7658	7658	7658	
5°	7410	7403	7402	7417	7410	674
15°	4060	4012	4039	4025	4018	1087
25°	954	990	1076	965	935	457
35°	160	164	153	152	129	109
45°	42	52	52	52	42	30
55°	7	7	13	8	7	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°	7658.3	7658.3	7658.3	7658.3	7658.3
2.5°	7607.5	7602.3	7605.3	7609.0	7610.5
5°	7410.1	7403.0	7401.5	7416.9	7410.5
7.5°	7012.0	7001.8	6986.4	7021.4	7054.1
10°	6344.9	6333.7	6300.2	6316.7	6343.4
12.5°	5360.2	5323.7	5323.0	5375.6	5368.5
15°	4060.4	4011.5	4038.6	4025.4	4018.3
17.5°	2730.5	2711.7	2747.8	2736.9	2689.9
20°	1964.2	1969.1	2037.9	2003.3	1961.6
22.5°	1433.3	1451.0	1532.6	1443.5	1410.7
25°	954.3	990.4	1076.1	965.2	934.7
27.5°	586.9	603.5	690.3	579.4	562.9
30°	365.1	356.8	397.8	341.4	318.1
32.5°	239.5	229.0	242.1	217.3	198.5
35°	160.2	163.6	153.4	152.3	128.6
37.5°	100.0	115.1	101.5	108.3	82.7
40°	64.7	83.5	71.8	79.3	60.9
42.5°	53.0	64.3	59.0	62.8	54.1
45°	42.1	52.3	52.3	52.3	42.5
47.5°	23.3	35.0	44.7	35.7	24.8
50°	13.2	17.7	34.6	18.4	13.9
52.5°	9.0	10.2	23.7	10.5	9.4
55°	6.8	7.1	12.8	7.5	7.1
57.5°	5.3	5.6	6.8	5.6	5.3
60°	4.1	4.1	4.9	4.5	4.1
62.5°	3.0	3.0	3.4	3.0	3.0
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.8	0.8	0.8	1.1
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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