

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: P789580

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789580
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-EC6DR300215IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2380.3 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

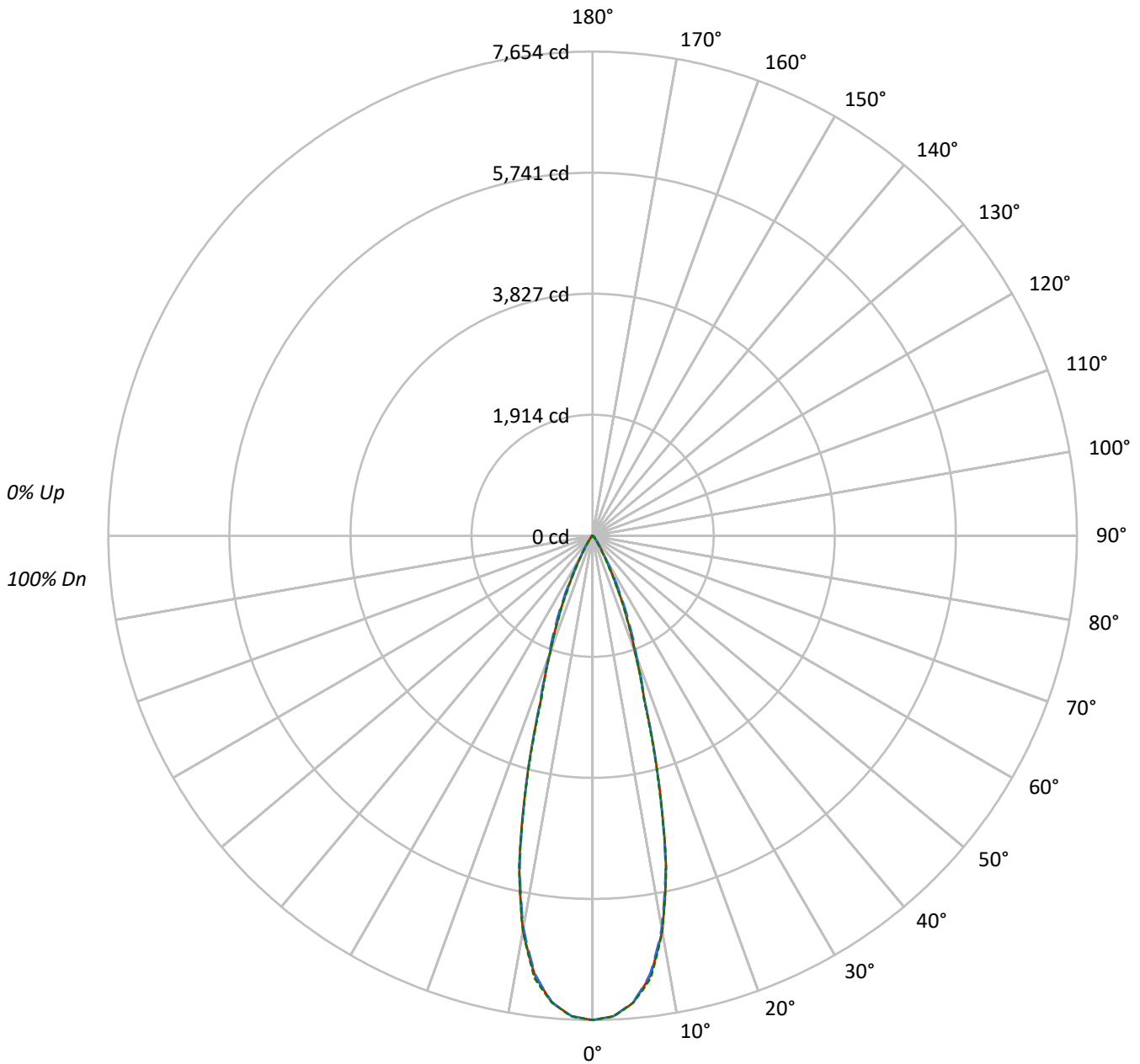


Downlight

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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					70					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								
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°	585855	585855	585855
5°	569030	568370	569061
10°	492872	489390	492756
15°	321570	319843	318234
20°	159906	165901	159686
25°	80546	90833	78899
30°	32252	35142	28097
35°	14960	14325	12007
40°	6455	7174	6085
45°	4557	5651	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: 5651 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.0	28.3
10°-20°	1083.9	45.5
20°-30°	468.4	19.7
30°-40°	106.8	4.5
40°-50°	36.7	1.5
50°-60°	8.9	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°	2225.4	93.5
0°-40°	2332.1	98.0
0°-60°	2377.7	99.9
0°-90°	2380.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2380.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7654	7654	7654	7654	7654	
5°	7406	7399	7397	7413	7406	674
15°	4058	4009	4036	4023	4016	1087
25°	954	990	1076	965	934	457
35°	160	164	153	152	128	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°	7653.9	7653.9	7653.9	7653.9	7653.9
2.5°	7603.1	7597.9	7600.9	7604.6	7606.1
5°	7405.8	7398.7	7397.2	7412.6	7406.2
7.5°	7007.9	6997.7	6982.3	7017.3	7050.0
10°	6341.3	6330.0	6296.5	6313.1	6339.8
12.5°	5357.1	5320.6	5319.9	5372.5	5365.4
15°	4058.0	4009.2	4036.2	4023.1	4015.9
17.5°	2728.9	2710.1	2746.2	2735.3	2688.3
20°	1963.1	1968.0	2036.7	2002.1	1960.4
22.5°	1432.5	1450.1	1531.7	1442.6	1409.9
25°	953.7	989.8	1075.5	964.6	934.2
27.5°	586.6	603.1	689.9	579.1	562.5
30°	364.9	356.6	397.6	341.2	317.9
32.5°	239.4	228.8	242.0	217.2	198.4
35°	160.1	163.5	153.3	152.2	128.5
37.5°	100.0	115.0	101.5	108.2	82.7
40°	64.6	83.4	71.8	79.3	60.9
42.5°	53.0	64.3	59.0	62.8	54.1
45°	42.1	52.2	52.2	52.2	42.5
47.5°	23.3	34.9	44.7	35.7	24.8
50°	13.2	17.7	34.6	18.4	13.9
52.5°	9.0	10.1	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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