

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: P787088

Luminaire Tested: LER6D02D010-EC6DR300210IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787088
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: LER6D02D010-EC6DR300210IC9030-6LBDP1H
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: 617.8 lumens
Efficiency: N/A
Efficacy: 121.1 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): 5.1
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

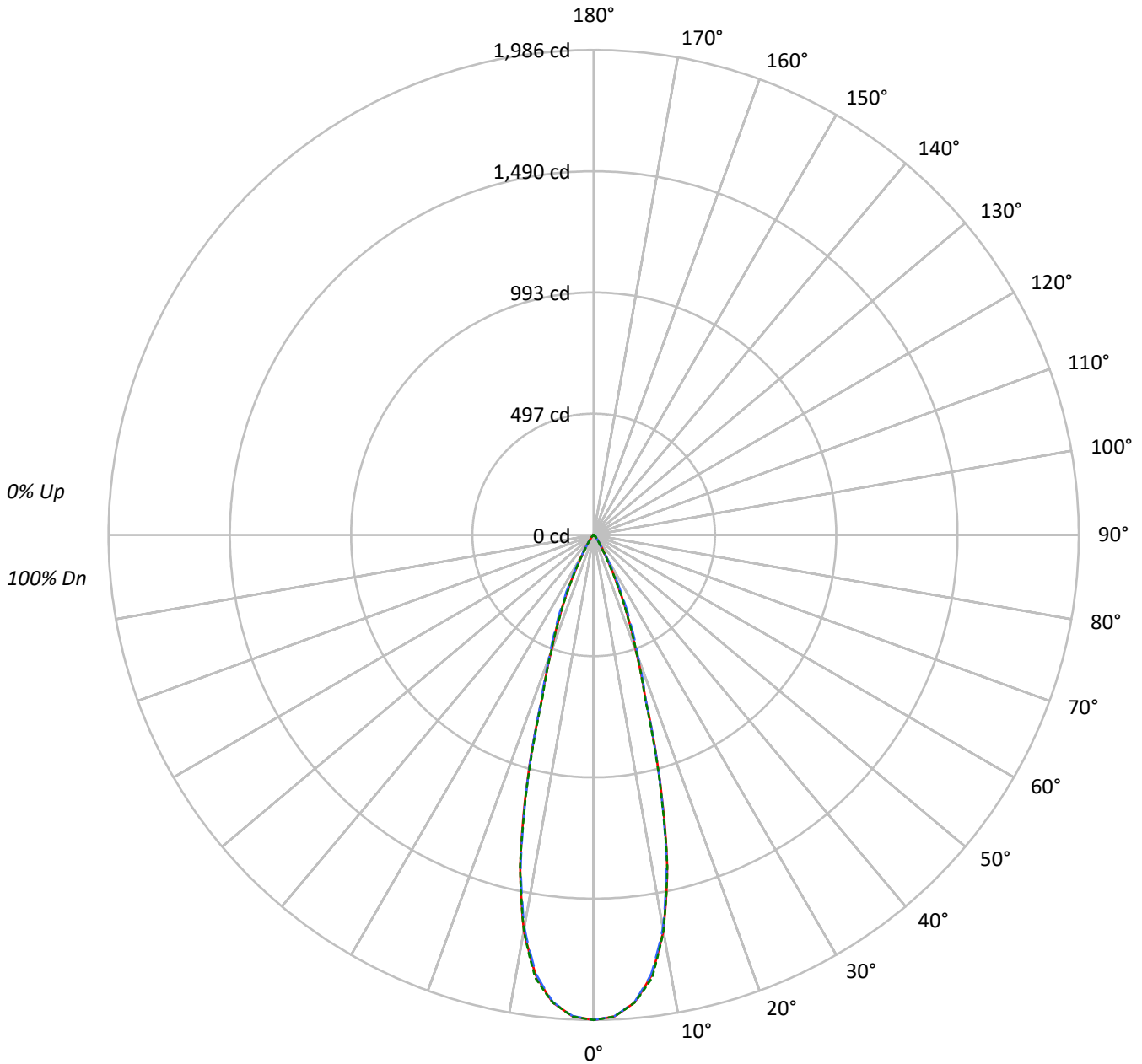


Downlight

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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°	152046	152046	152046
5°	147678	147509	147686
10°	127911	127009	127887
15°	83459	83008	82596
20°	41502	43058	41445
25°	20903	23572	20472
30°	8370	9121	7292
35°	3878	3719	3121
40°	1679	1859	1579
45°	1180	1472	1191
50°	405	1072	429
55°	240	440	254
60°	168	199	168
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.7	28.3
10°-20°	281.3	45.5
20°-30°	121.6	19.7
30°-40°	27.7	4.5
40°-50°	9.5	1.5
50°-60°	2.3	0.4
60°-70°	0.6	0.1
70°-80°	0.1	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°	577.6	93.5
0°-40°	605.3	98.0
0°-60°	617.1	99.9
0°-90°	617.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1922	1920	1920	1924	1922	175
15°	1053	1040	1048	1044	1042	282
25°	248	257	279	250	242	118
35°	42	42	40	40	33	28
45°	11	14	14	14	11	8
55°	2	2	3	2	2	2
65°	1	1	1	1	1	1
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°	1986.4	1986.4	1986.4	1986.4	1986.4
2.5°	1973.2	1971.9	1972.6	1973.6	1974.0
5°	1922.0	1920.2	1919.8	1923.8	1922.1
7.5°	1818.8	1816.1	1812.1	1821.2	1829.7
10°	1645.7	1642.8	1634.1	1638.4	1645.4
12.5°	1390.3	1380.9	1380.7	1394.3	1392.5
15°	1053.2	1040.5	1047.5	1044.1	1042.3
17.5°	708.2	703.4	712.7	709.9	697.7
20°	509.5	510.7	528.6	519.6	508.8
22.5°	371.8	376.4	397.5	374.4	365.9
25°	247.5	256.9	279.1	250.3	242.4
27.5°	152.2	156.5	179.1	150.3	146.0
30°	94.7	92.6	103.2	88.6	82.5
32.5°	62.1	59.4	62.8	56.4	51.5
35°	41.5	42.4	39.8	39.5	33.4
37.5°	25.9	29.8	26.3	28.1	21.5
40°	16.8	21.7	18.6	20.6	15.8
42.5°	13.8	16.7	15.3	16.3	14.0
45°	10.9	13.6	13.6	13.6	11.0
47.5°	6.0	9.1	11.6	9.3	6.4
50°	3.4	4.6	9.0	4.8	3.6
52.5°	2.3	2.6	6.1	2.7	2.4
55°	1.8	1.9	3.3	2.0	1.9
57.5°	1.4	1.5	1.8	1.5	1.4
60°	1.1	1.1	1.3	1.2	1.1
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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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