

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: P787713

Luminaire Tested: LER6D05D010-EC6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787713
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: LER6D05D010-EC6DR300210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1182.6 lumens
Efficiency: N/A
Efficacy: 157.7 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

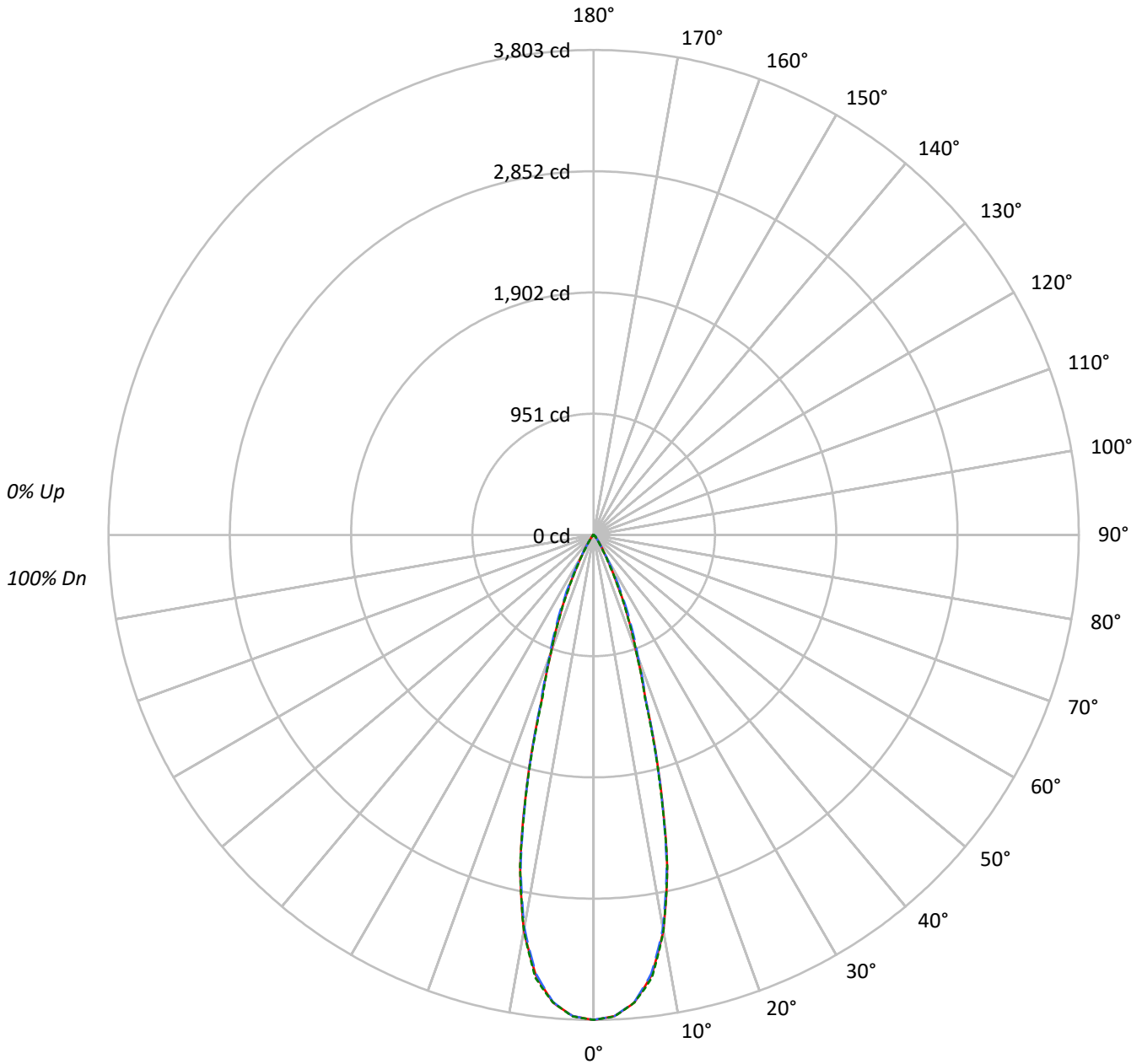
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	291072	291072	291072
5°	282710	282379	282725
10°	244870	243145	244816
15°	159763	158907	158107
20°	79444	82425	79338
25°	40015	45125	39196
30°	16024	17456	13956
35°	7429	7120	5971
40°	3207	3567	3018
45°	2262	2814	2284
50°	774	2048	822
55°	454	841	467
60°	321	367	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.4	28.3
10°-20°	538.5	45.5
20°-30°	232.7	19.7
30°-40°	53.0	4.5
40°-50°	18.2	1.5
50°-60°	4.4	0.4
60°-70°	1.1	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°	1105.6	93.5
0°-40°	1158.7	98.0
0°-60°	1181.3	99.9
0°-90°	1182.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1182.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3803	3803	3803	3803	3803	
5°	3679	3676	3675	3683	3680	335
15°	2016	1992	2005	1999	1995	540
25°	474	492	534	479	464	227
35°	80	81	76	76	64	54
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
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°	3802.7	3802.7	3802.7	3802.7	3802.7
2.5°	3777.5	3774.8	3776.3	3778.2	3778.9
5°	3679.4	3675.9	3675.1	3682.8	3679.6
7.5°	3481.7	3476.7	3469.0	3486.4	3502.6
10°	3150.5	3144.9	3128.3	3136.5	3149.8
12.5°	2661.6	2643.5	2643.1	2669.2	2665.7
15°	2016.1	1991.9	2005.3	1998.8	1995.2
17.5°	1355.8	1346.5	1364.4	1359.0	1335.6
20°	975.3	977.7	1011.9	994.7	974.0
22.5°	711.7	720.5	761.0	716.7	700.5
25°	473.8	491.8	534.3	479.3	464.1
27.5°	291.4	299.6	342.8	287.7	279.5
30°	181.3	177.2	197.5	169.5	157.9
32.5°	118.9	113.7	120.2	107.9	98.6
35°	79.5	81.2	76.2	75.6	63.9
37.5°	49.7	57.1	50.4	53.8	41.1
40°	32.1	41.4	35.7	39.4	30.2
42.5°	26.3	31.9	29.3	31.2	26.9
45°	20.9	26.0	26.0	26.0	21.1
47.5°	11.6	17.4	22.2	17.7	12.3
50°	6.5	8.8	17.2	9.1	6.9
52.5°	4.5	5.0	11.8	5.2	4.7
55°	3.4	3.5	6.3	3.7	3.5
57.5°	2.6	2.8	3.4	2.8	2.6
60°	2.1	2.1	2.4	2.2	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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