

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P788975

Luminaire Tested: LER6D10D010-EC6DR300210IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788975
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: LER6D10D010-EC6DR300210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1547.2 lumens
Efficiency: N/A
Efficacy: 132.2 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): 11.7
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

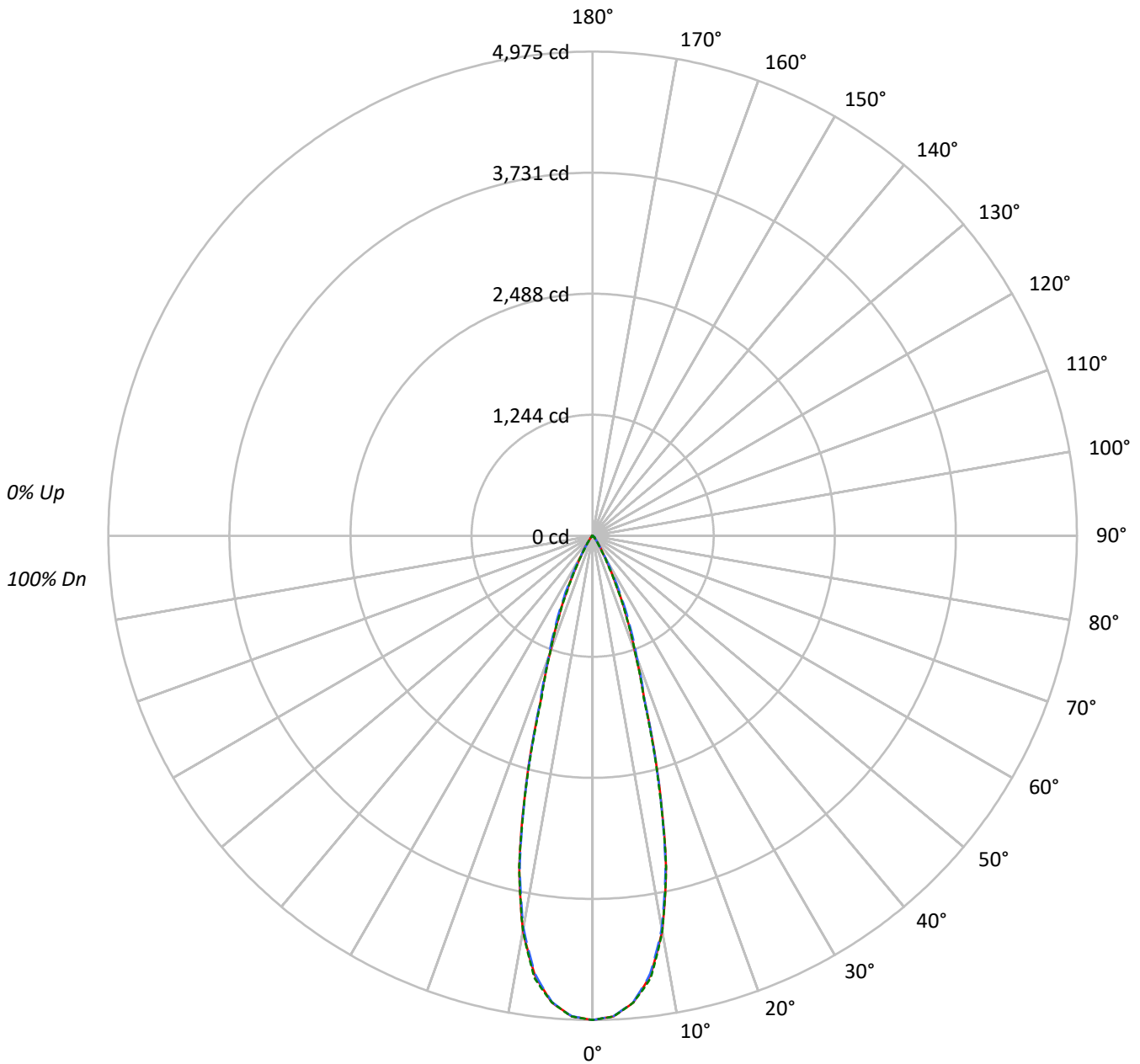


Downlight

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CATALOG NUMBER: LER6D10D010-EC6DR300210IC9040-6LBDP1B

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°	380803	380803	380803
5°	369872	369442	369887
10°	320364	318102	320286
15°	209021	207895	206857
20°	103938	107839	103799
25°	52354	59043	51282
30°	20965	22839	18260
35°	9727	9316	7802
40°	4197	4666	3957
45°	2966	3680	2988
50°	1012	2679	1072
55°	587	1108	614
60°	413	490	413
65°	272	272	272
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3680 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.5	28.3
10°-20°	704.6	45.5
20°-30°	304.5	19.7
30°-40°	69.4	4.5
40°-50°	23.8	1.5
50°-60°	5.8	0.4
60°-70°	1.5	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°	1446.5	93.5
0°-40°	1515.9	98.0
0°-60°	1545.5	99.9
0°-90°	1547.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4975	4975	4975	4975	4975	
5°	4814	4809	4808	4818	4814	438
15°	2638	2606	2624	2615	2610	706
25°	620	643	699	627	607	297
35°	104	106	100	99	84	71
45°	27	34	34	34	28	19
55°	4	5	8	5	5	4
65°	2	2	2	2	2	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°	4975.0	4975.0	4975.0	4975.0	4975.0
2.5°	4942.0	4938.6	4940.6	4943.0	4944.0
5°	4813.8	4809.1	4808.2	4818.2	4814.0
7.5°	4555.1	4548.5	4538.5	4561.2	4582.5
10°	4121.8	4114.5	4092.7	4103.5	4120.8
12.5°	3482.1	3458.4	3457.9	3492.1	3487.5
15°	2637.7	2606.0	2623.5	2615.0	2610.4
17.5°	1773.8	1761.6	1785.0	1777.9	1747.4
20°	1276.0	1279.2	1323.9	1301.4	1274.3
22.5°	931.1	942.6	995.6	937.7	916.4
25°	619.9	643.4	699.1	627.0	607.2
27.5°	381.3	392.0	448.5	376.4	365.7
30°	237.2	231.8	258.4	221.8	206.6
32.5°	155.6	148.8	157.3	141.2	129.0
35°	104.1	106.3	99.7	98.9	83.5
37.5°	65.0	74.7	65.9	70.3	53.7
40°	42.0	54.2	46.7	51.5	39.6
42.5°	34.4	41.8	38.3	40.8	35.2
45°	27.4	34.0	34.0	34.0	27.6
47.5°	15.1	22.7	29.1	23.2	16.1
50°	8.5	11.5	22.5	12.0	9.0
52.5°	5.9	6.6	15.4	6.8	6.1
55°	4.4	4.6	8.3	4.9	4.6
57.5°	3.4	3.7	4.4	3.7	3.4
60°	2.7	2.7	3.2	2.9	2.7
62.5°	2.0	2.0	2.2	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)