

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: P787707

Luminaire Tested: LER6D05D010-EC6DR300210IC9027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787707
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-EC6DR300210IC9027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1076.5 lumens
Efficiency: N/A
Efficacy: 143.5 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

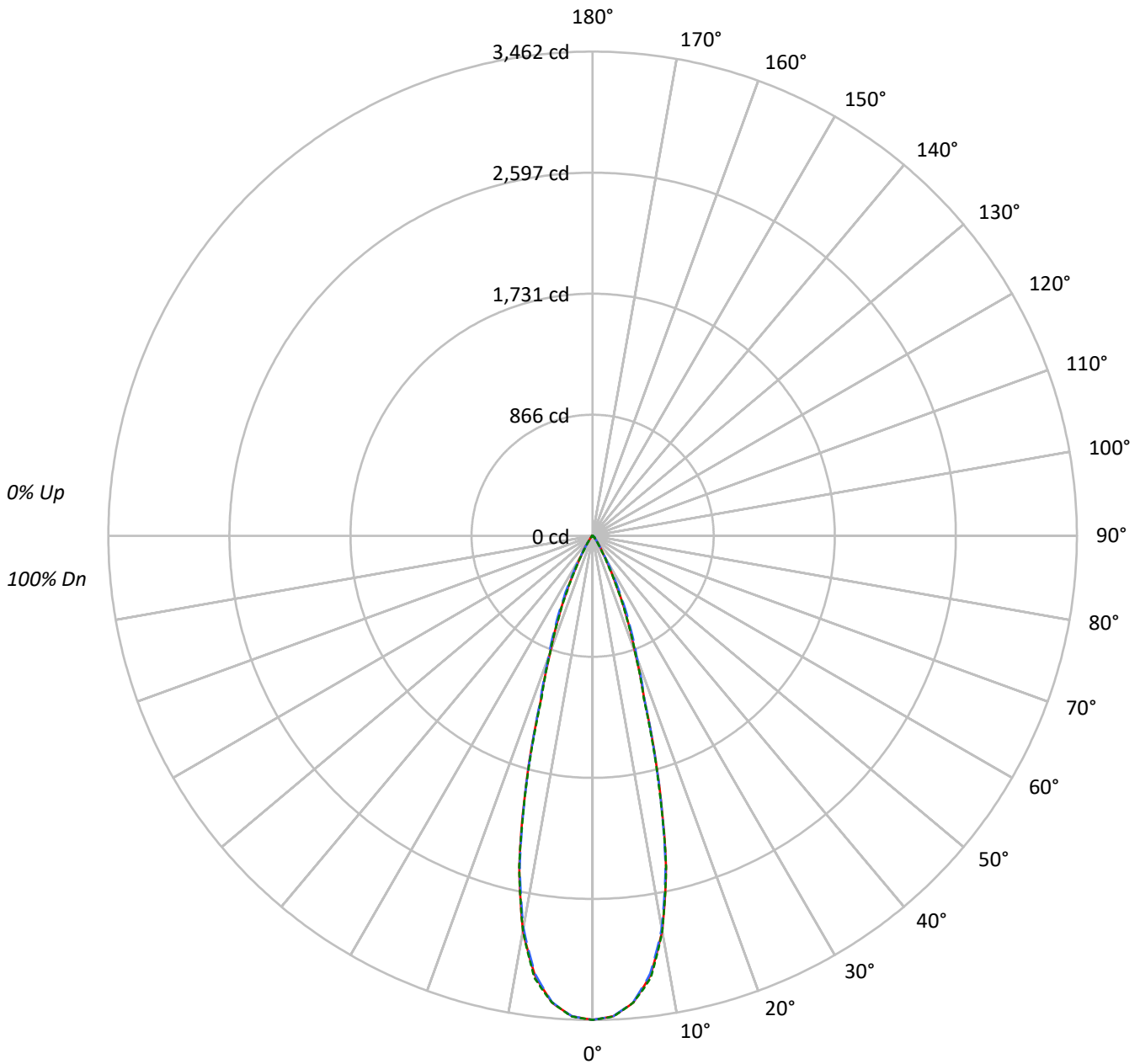


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	264955	264955	264955
5°	257354	257054	257361
10°	222905	221335	222851
15°	145436	144651	143922
20°	72316	75029	72219
25°	36426	41080	35683
30°	14583	15892	12710
35°	6765	6476	5429
40°	2918	3247	2748
45°	2057	2555	2078
50°	703	1858	750
55°	414	774	427
60°	291	337	291
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	28.3
10°-20°	490.2	45.5
20°-30°	211.8	19.7
30°-40°	48.3	4.5
40°-50°	16.6	1.5
50°-60°	4.0	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°	1006.4	93.5
0°-40°	1054.7	98.0
0°-60°	1075.3	99.9
0°-90°	1076.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1076.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3462	3462	3462	3462	3462	
5°	3349	3346	3346	3352	3350	305
15°	1835	1813	1825	1820	1816	491
25°	431	448	486	436	422	206
35°	72	74	69	69	58	49
45°	19	24	24	24	19	13
55°	3	3	6	3	3	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3461.5	3461.5	3461.5	3461.5	3461.5
2.5°	3438.6	3436.2	3437.6	3439.3	3439.9
5°	3349.4	3346.1	3345.5	3352.4	3349.5
7.5°	3169.4	3164.8	3157.8	3173.6	3188.4
10°	2867.9	2862.8	2847.7	2855.1	2867.2
12.5°	2422.8	2406.3	2406.0	2429.8	2426.5
15°	1835.3	1813.2	1825.4	1819.5	1816.2
17.5°	1234.2	1225.7	1242.0	1237.1	1215.8
20°	887.8	890.0	921.1	905.5	886.6
22.5°	647.8	655.8	692.7	652.4	637.6
25°	431.3	447.6	486.4	436.3	422.5
27.5°	265.3	272.8	312.0	261.9	254.4
30°	165.0	161.3	179.8	154.3	143.8
32.5°	108.3	103.5	109.4	98.2	89.7
35°	72.4	73.9	69.3	68.8	58.1
37.5°	45.2	52.0	45.9	48.9	37.4
40°	29.2	37.7	32.5	35.9	27.5
42.5°	24.0	29.1	26.7	28.4	24.5
45°	19.0	23.6	23.6	23.6	19.2
47.5°	10.5	15.8	20.2	16.1	11.2
50°	5.9	8.0	15.6	8.3	6.3
52.5°	4.1	4.6	10.7	4.8	4.2
55°	3.1	3.2	5.8	3.4	3.2
57.5°	2.4	2.5	3.1	2.5	2.4
60°	1.9	1.9	2.2	2.0	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	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)