

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: P785742

Luminaire Tested: LERS6D05D010-EC6DR300210IC9024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785742
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: LERS6D05D010-EC6DR300210IC9024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1086.0 lumens
Efficiency: N/A
Efficacy: 144.8 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

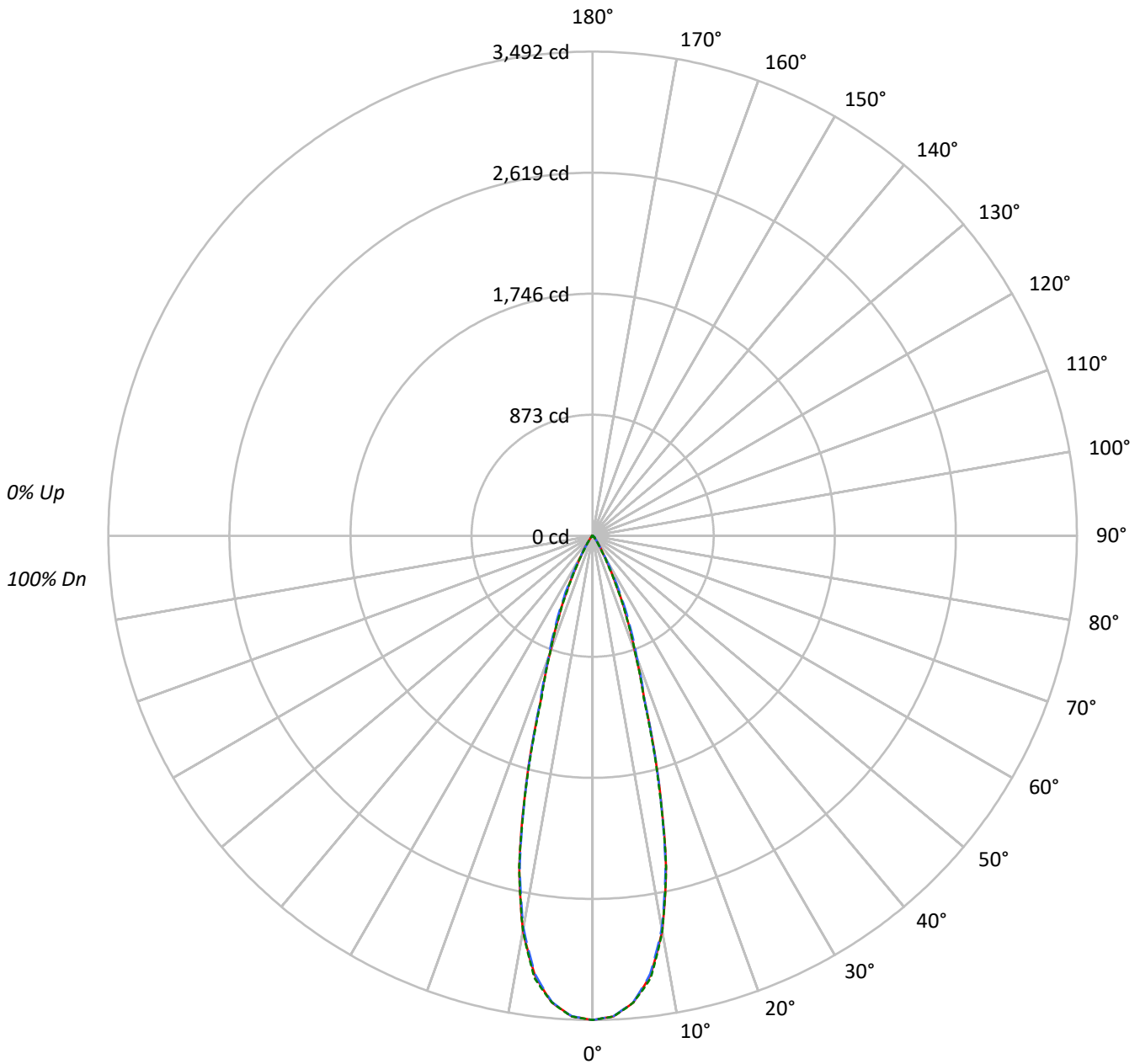


Downlight

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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°	267305	267305	267305
5°	259628	259328	259643
10°	224879	223294	224825
15°	146719	145935	145198
20°	72960	75697	72862
25°	36747	41443	35995
30°	14716	16033	12816
35°	6821	6541	5476
40°	2948	3267	2778
45°	2078	2576	2100
50°	714	1881	750
55°	414	774	440
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: 2576 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	28.3
10°-20°	494.6	45.5
20°-30°	213.7	19.7
30°-40°	48.7	4.5
40°-50°	16.7	1.5
50°-60°	4.1	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°	1015.4	93.5
0°-40°	1064.1	98.0
0°-60°	1084.9	99.9
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3492	3492	3492	3492	3492	
5°	3379	3376	3375	3382	3379	307
15°	1852	1829	1842	1836	1832	496
25°	435	452	491	440	426	208
35°	73	75	70	69	59	50
45°	19	24	24	24	19	14
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3492.2	3492.2	3492.2	3492.2	3492.2
2.5°	3469.0	3466.6	3468.0	3469.7	3470.4
5°	3379.0	3375.8	3375.1	3382.1	3379.2
7.5°	3197.4	3192.8	3185.8	3201.7	3216.6
10°	2893.3	2888.1	2872.9	2880.4	2892.6
12.5°	2444.2	2427.6	2427.3	2451.3	2448.0
15°	1851.5	1829.2	1841.6	1835.6	1832.3
17.5°	1245.1	1236.5	1253.0	1248.0	1226.6
20°	895.7	897.9	929.3	913.5	894.5
22.5°	653.6	661.6	698.8	658.2	643.3
25°	435.1	451.6	490.7	440.1	426.2
27.5°	267.6	275.2	314.8	264.2	256.7
30°	166.5	162.7	181.4	155.7	145.0
32.5°	109.2	104.4	110.4	99.1	90.5
35°	73.0	74.6	70.0	69.4	58.6
37.5°	45.6	52.5	46.3	49.4	37.7
40°	29.5	38.1	32.7	36.2	27.8
42.5°	24.2	29.3	26.9	28.6	24.7
45°	19.2	23.8	23.8	23.8	19.4
47.5°	10.6	15.9	20.4	16.3	11.3
50°	6.0	8.1	15.8	8.4	6.3
52.5°	4.1	4.6	10.8	4.8	4.3
55°	3.1	3.3	5.8	3.4	3.3
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.1	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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