

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: P787709

Luminaire Tested: LER6D05D010-EC6DR300210IC9027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787709
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-EC6DR300210IC9027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1205.6 lumens
Efficiency: N/A
Efficacy: 160.7 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

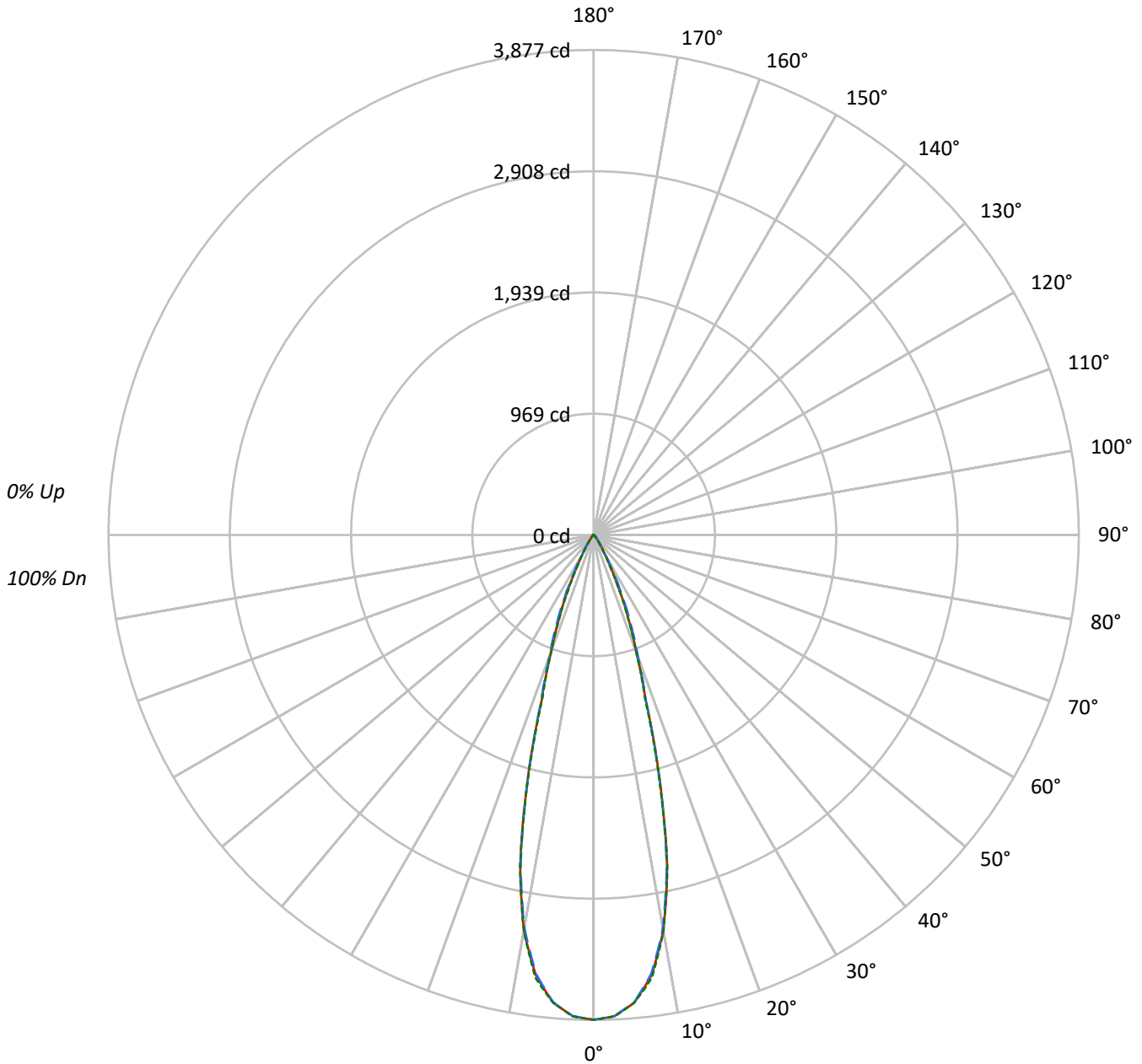


Downlight

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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	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°	296728	296728	296728
5°	288211	287873	288226
10°	249635	247870	249572
15°	162869	161998	161181
20°	80991	84030	80877
25°	40801	46003	39965
30°	16333	17801	14230
35°	7578	7260	6083
40°	3267	3637	3078
45°	2306	2869	2327
50°	798	2084	834
55°	454	867	480
60°	321	383	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: 2869 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.9	28.3
10°-20°	549.0	45.5
20°-30°	237.2	19.7
30°-40°	54.1	4.5
40°-50°	18.6	1.5
50°-60°	4.5	0.4
60°-70°	1.2	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°	1127.1	93.5
0°-40°	1181.2	98.0
0°-60°	1204.3	99.9
0°-90°	1205.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3877	3877	3877	3877	3877	
5°	3751	3747	3747	3754	3751	341
15°	2055	2031	2044	2038	2034	550
25°	483	501	545	489	473	231
35°	81	83	78	77	65	55
45°	21	26	26	26	22	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°	3876.6	3876.6	3876.6	3876.6	3876.6
2.5°	3850.9	3848.2	3849.7	3851.6	3852.4
5°	3751.0	3747.4	3746.6	3754.4	3751.2
7.5°	3549.4	3544.3	3536.5	3554.2	3570.7
10°	3211.8	3206.1	3189.1	3197.5	3211.0
12.5°	2713.3	2694.8	2694.5	2721.1	2717.5
15°	2055.3	2030.6	2044.3	2037.6	2034.0
17.5°	1382.2	1372.6	1390.9	1385.4	1361.6
20°	994.3	996.7	1031.6	1014.1	992.9
22.5°	725.5	734.5	775.8	730.7	714.1
25°	483.1	501.3	544.7	488.6	473.2
27.5°	297.1	305.5	349.4	293.3	284.9
30°	184.8	180.6	201.4	172.8	161.0
32.5°	121.2	115.9	122.6	110.0	100.5
35°	81.1	82.8	77.7	77.1	65.1
37.5°	50.6	58.2	51.4	54.8	41.9
40°	32.7	42.3	36.4	40.2	30.8
42.5°	26.8	32.5	29.9	31.8	27.4
45°	21.3	26.5	26.5	26.5	21.5
47.5°	11.8	17.7	22.6	18.1	12.6
50°	6.7	8.9	17.5	9.3	7.0
52.5°	4.6	5.1	12.0	5.3	4.8
55°	3.4	3.6	6.5	3.8	3.6
57.5°	2.7	2.9	3.4	2.9	2.7
60°	2.1	2.1	2.5	2.3	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	0.8	0.8	0.8	0.8
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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(END OF REPORT)