

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: P785758

Luminaire Tested: LERS6D05D010-EC6DR300210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785758
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-EC6DR300210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1350.5 lumens
Efficiency: N/A
Efficacy: 180.1 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

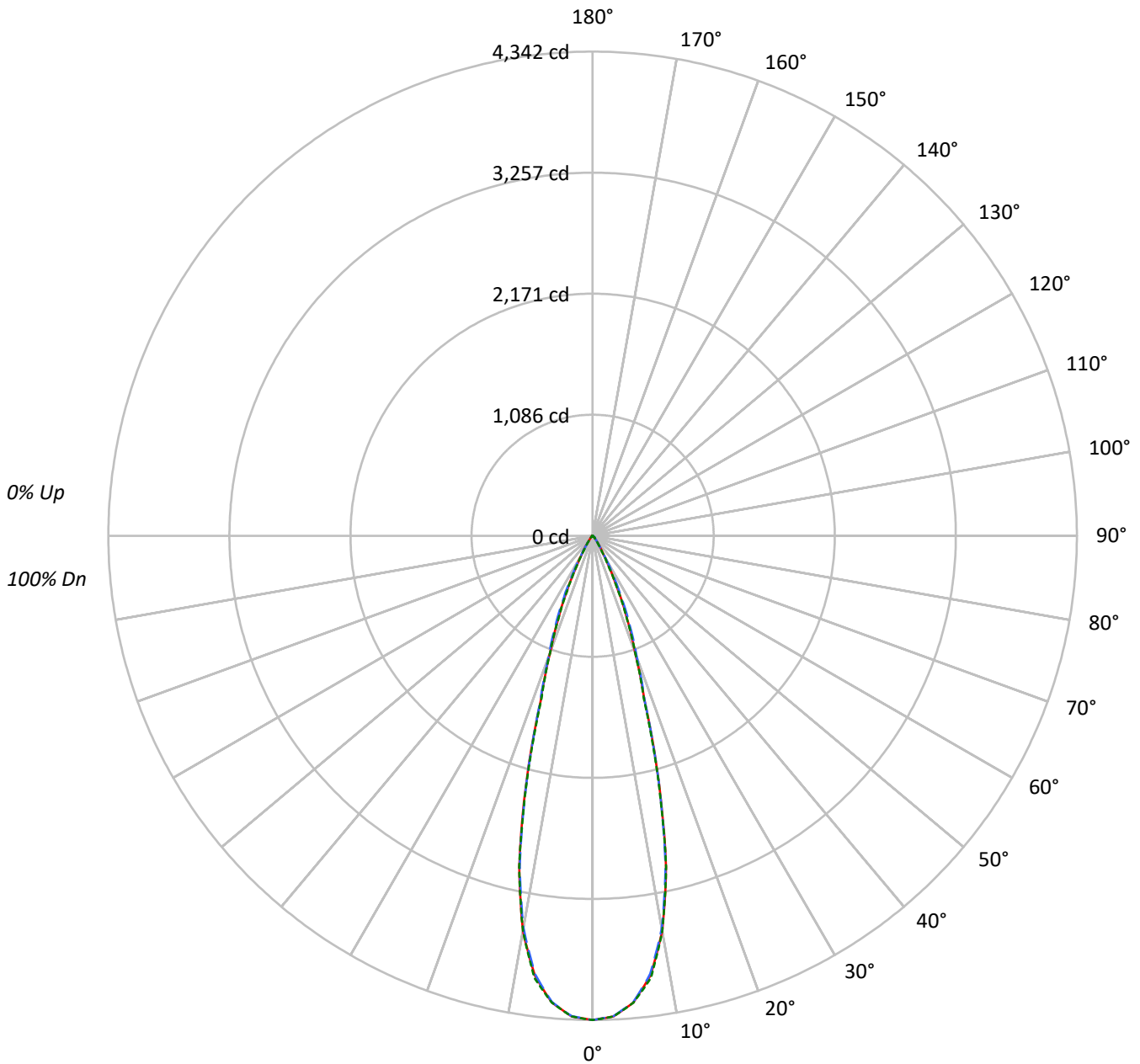


Downlight

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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°	332390	332390	332390
5°	322849	322472	322864
10°	279636	277662	279566
15°	182450	181468	180556
20°	90725	94130	90603
25°	45699	51535	44762
30°	18296	19940	15945
35°	8485	8129	6812
40°	3667	4067	3447
45°	2587	3204	2609
50°	893	2334	941
55°	507	961	547
60°	352	429	352
65°	235	235	235
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: 3204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	28.3
10°-20°	615.0	45.5
20°-30°	265.7	19.7
30°-40°	60.6	4.5
40°-50°	20.8	1.5
50°-60°	5.1	0.4
60°-70°	1.3	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°	1262.6	93.5
0°-40°	1323.1	98.0
0°-60°	1349.0	99.9
0°-90°	1350.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4342	4342	4342	4342	4342	
5°	4202	4198	4197	4206	4202	382
15°	2302	2275	2290	2282	2278	616
25°	541	562	610	547	530	259
35°	91	93	87	86	73	62
45°	24	30	30	30	24	17
55°	4	4	7	4	4	4
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°	4342.5	4342.5	4342.5	4342.5	4342.5
2.5°	4313.7	4310.7	4312.4	4314.6	4315.4
5°	4201.8	4197.7	4196.9	4205.6	4202.0
7.5°	3976.0	3970.2	3961.5	3981.3	3999.9
10°	3597.8	3591.4	3572.4	3581.8	3596.9
12.5°	3039.4	3018.7	3018.3	3048.1	3044.1
15°	2302.4	2274.6	2290.0	2282.5	2278.5
17.5°	1548.3	1537.6	1558.1	1551.9	1525.2
20°	1113.8	1116.5	1155.6	1135.9	1112.3
22.5°	812.7	822.7	869.0	818.5	799.9
25°	541.1	561.6	610.2	547.3	530.0
27.5°	332.8	342.2	391.4	328.5	319.2
30°	207.0	202.3	225.6	193.6	180.4
32.5°	135.8	129.8	137.3	123.2	112.6
35°	90.8	92.7	87.0	86.3	72.9
37.5°	56.7	65.2	57.6	61.4	46.9
40°	36.7	47.3	40.7	45.0	34.5
42.5°	30.1	36.5	33.5	35.6	30.7
45°	23.9	29.6	29.6	29.6	24.1
47.5°	13.2	19.8	25.4	20.3	14.1
50°	7.5	10.0	19.6	10.4	7.9
52.5°	5.1	5.8	13.4	6.0	5.3
55°	3.8	4.1	7.2	4.3	4.1
57.5°	3.0	3.2	3.8	3.2	3.0
60°	2.3	2.3	2.8	2.6	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
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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