

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: P786364

Luminaire Tested: LERS6D10D010-EC6DR300210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786364
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: LERS6D10D010-EC6DR300210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1525.2 lumens
Efficiency: N/A
Efficacy: 130.4 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

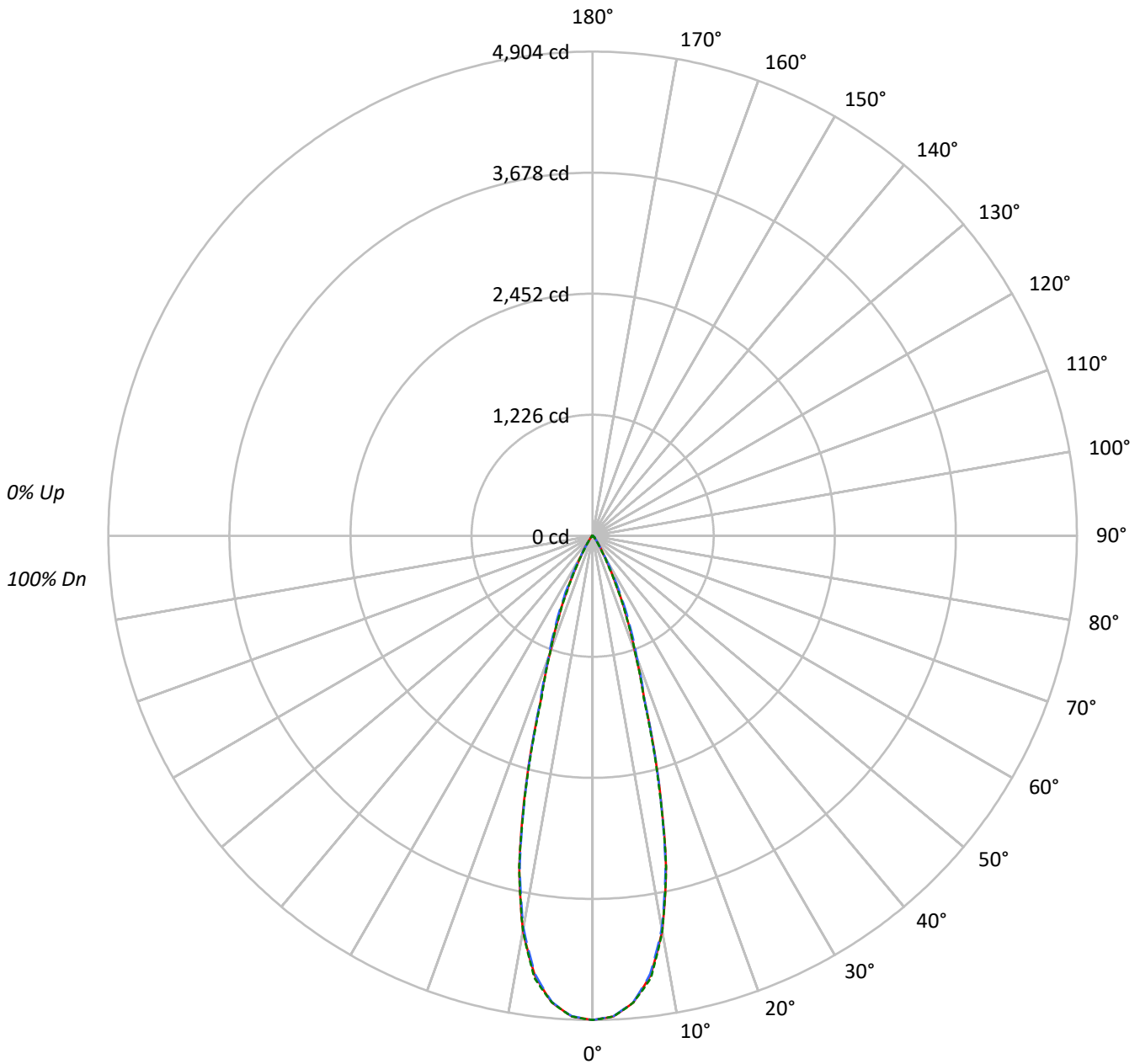


Downlight

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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°	375399	375399	375399
5°	364624	364202	364640
10°	315817	313594	315747
15°	206057	204948	203917
20°	102463	106308	102325
25°	51611	58199	50556
30°	20664	22520	18004
35°	9587	9176	7700
40°	4137	4596	3897
45°	2923	3626	2944
50°	1000	2644	1060
55°	574	1094	614
60°	398	475	398
65°	254	254	254
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: 3626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.3	28.3
10°-20°	694.6	45.5
20°-30°	300.1	19.7
30°-40°	68.4	4.5
40°-50°	23.5	1.5
50°-60°	5.7	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°	1426.0	93.5
0°-40°	1494.4	98.0
0°-60°	1523.6	99.9
0°-90°	1525.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4904	4904	4904	4904	4904	
5°	4746	4741	4740	4750	4746	432
15°	2600	2569	2586	2578	2573	696
25°	611	634	689	618	599	293
35°	103	105	98	98	82	70
45°	27	34	34	34	27	19
55°	4	5	8	5	5	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°	4904.4	4904.4	4904.4	4904.4	4904.4
2.5°	4871.9	4868.5	4870.5	4872.9	4873.8
5°	4745.5	4740.9	4740.0	4749.8	4745.7
7.5°	4490.5	4484.0	4474.1	4496.5	4517.5
10°	4063.3	4056.1	4034.7	4045.3	4062.4
12.5°	3432.7	3409.3	3408.9	3442.6	3438.0
15°	2600.3	2569.0	2586.3	2577.9	2573.3
17.5°	1748.6	1736.6	1759.7	1752.7	1722.6
20°	1257.9	1261.0	1305.1	1282.9	1256.2
22.5°	917.9	929.2	981.5	924.4	903.4
25°	611.1	634.2	689.1	618.1	598.6
27.5°	375.9	386.5	442.1	371.1	360.5
30°	233.8	228.5	254.8	218.6	203.7
32.5°	153.4	146.6	155.1	139.2	127.1
35°	102.6	104.7	98.2	97.5	82.4
37.5°	64.1	73.7	65.0	69.3	53.0
40°	41.4	53.5	46.0	50.8	39.0
42.5°	34.0	41.2	37.8	40.2	34.7
45°	27.0	33.5	33.5	33.5	27.2
47.5°	14.9	22.4	28.7	22.9	15.9
50°	8.4	11.3	22.2	11.8	8.9
52.5°	5.8	6.5	15.2	6.7	6.0
55°	4.3	4.6	8.2	4.8	4.6
57.5°	3.4	3.6	4.3	3.6	3.4
60°	2.6	2.6	3.1	2.9	2.6
62.5°	1.9	1.9	2.2	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
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

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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