

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: P760196

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760196
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: LD6D10D010-EU6DR300210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1121.8 lumens
Efficiency: N/A
Efficacy: 95.9 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

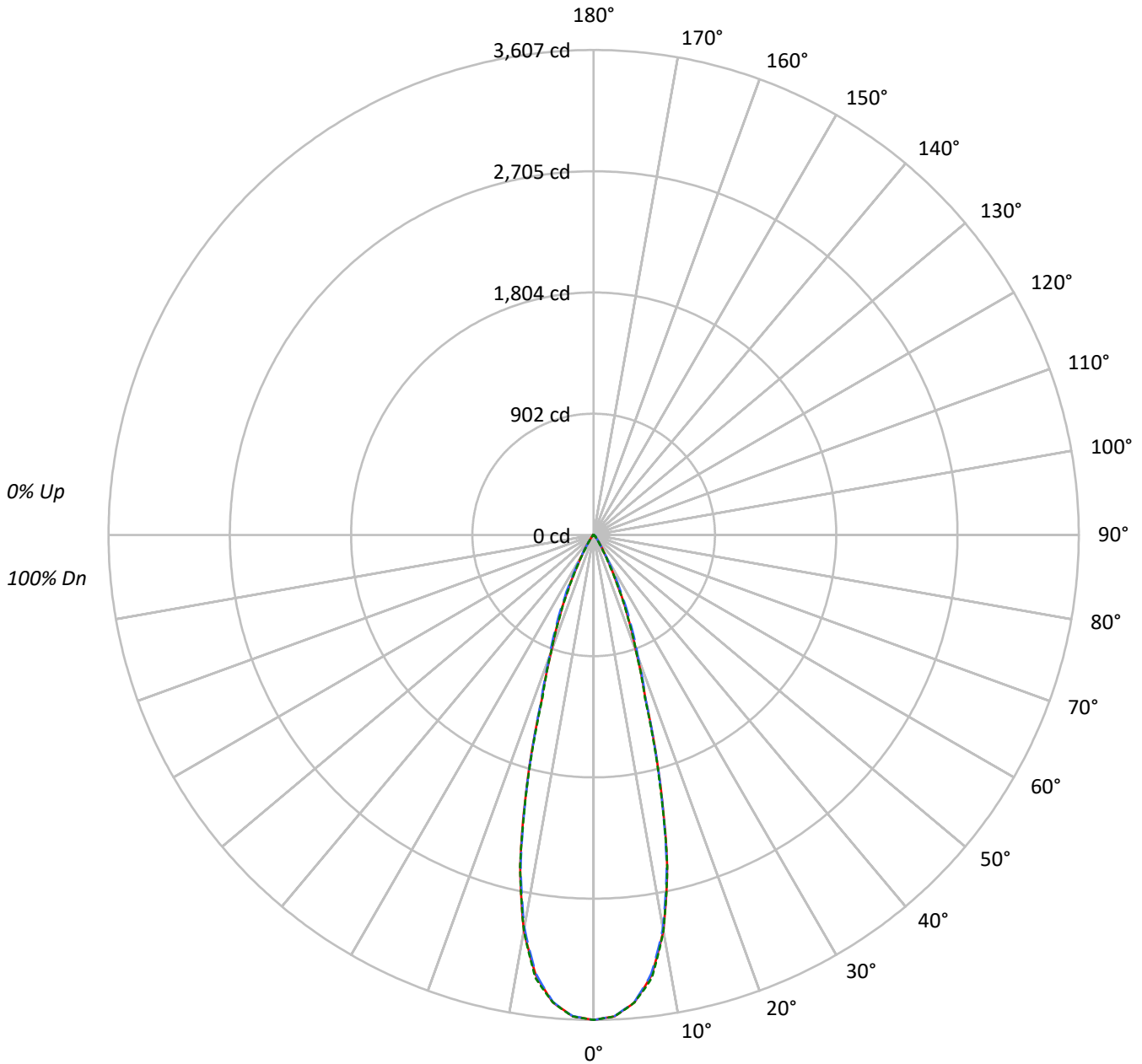


Downlight



TEST NUMBER: P760196
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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°	276100	276100	276100
5°	268172	267857	268188
10°	232279	230639	232224
15°	151553	150737	149976
20°	75355	78189	75257
25°	37963	42802	37186
30°	15193	16563	13240
35°	7055	6747	5663
40°	3048	3377	2868
45°	2143	2663	2165
50°	738	1941	774
55°	427	801	454
60°	291	352	291
65°	199	199	199
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: 2663 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.2	28.3
10°-20°	510.8	45.5
20°-30°	220.7	19.7
30°-40°	50.3	4.5
40°-50°	17.3	1.5
50°-60°	4.2	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°	1048.8	93.5
0°-40°	1099.1	98.0
0°-60°	1120.6	99.9
0°-90°	1121.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3607	3607	3607	3607	3607	
5°	3490	3487	3486	3493	3490	317
15°	1912	1889	1902	1896	1893	512
25°	450	466	507	455	440	215
35°	76	77	72	72	61	51
45°	20	25	25	25	20	14
55°	3	3	6	4	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°	3607.1	3607.1	3607.1	3607.1	3607.1
2.5°	3583.2	3580.7	3582.1	3583.9	3584.6
5°	3490.2	3486.8	3486.1	3493.4	3490.4
7.5°	3302.7	3297.8	3290.6	3307.1	3322.5
10°	2988.5	2983.2	2967.4	2975.2	2987.8
12.5°	2524.7	2507.5	2507.1	2531.9	2528.5
15°	1912.5	1889.4	1902.2	1896.0	1892.6
17.5°	1286.0	1277.2	1294.2	1289.1	1266.9
20°	925.1	927.4	959.9	943.5	923.9
22.5°	675.1	683.4	721.9	679.9	664.5
25°	449.5	466.4	506.8	454.6	440.3
27.5°	276.4	284.2	325.1	272.9	265.1
30°	171.9	168.0	187.4	160.8	149.8
32.5°	112.8	107.8	114.1	102.4	93.5
35°	75.5	77.1	72.2	71.7	60.6
37.5°	47.1	54.2	47.8	51.0	39.0
40°	30.5	39.3	33.8	37.4	28.7
42.5°	25.0	30.3	27.8	29.6	25.5
45°	19.8	24.6	24.6	24.6	20.0
47.5°	11.0	16.4	21.1	16.8	11.7
50°	6.2	8.3	16.3	8.7	6.5
52.5°	4.2	4.8	11.2	5.0	4.4
55°	3.2	3.4	6.0	3.6	3.4
57.5°	2.5	2.6	3.2	2.6	2.5
60°	1.9	1.9	2.3	2.1	1.9
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
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

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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