

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: P760194

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760194
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-EU6DR300210IC9030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.7 lumens
Efficiency: N/A
Efficacy: 85.6 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

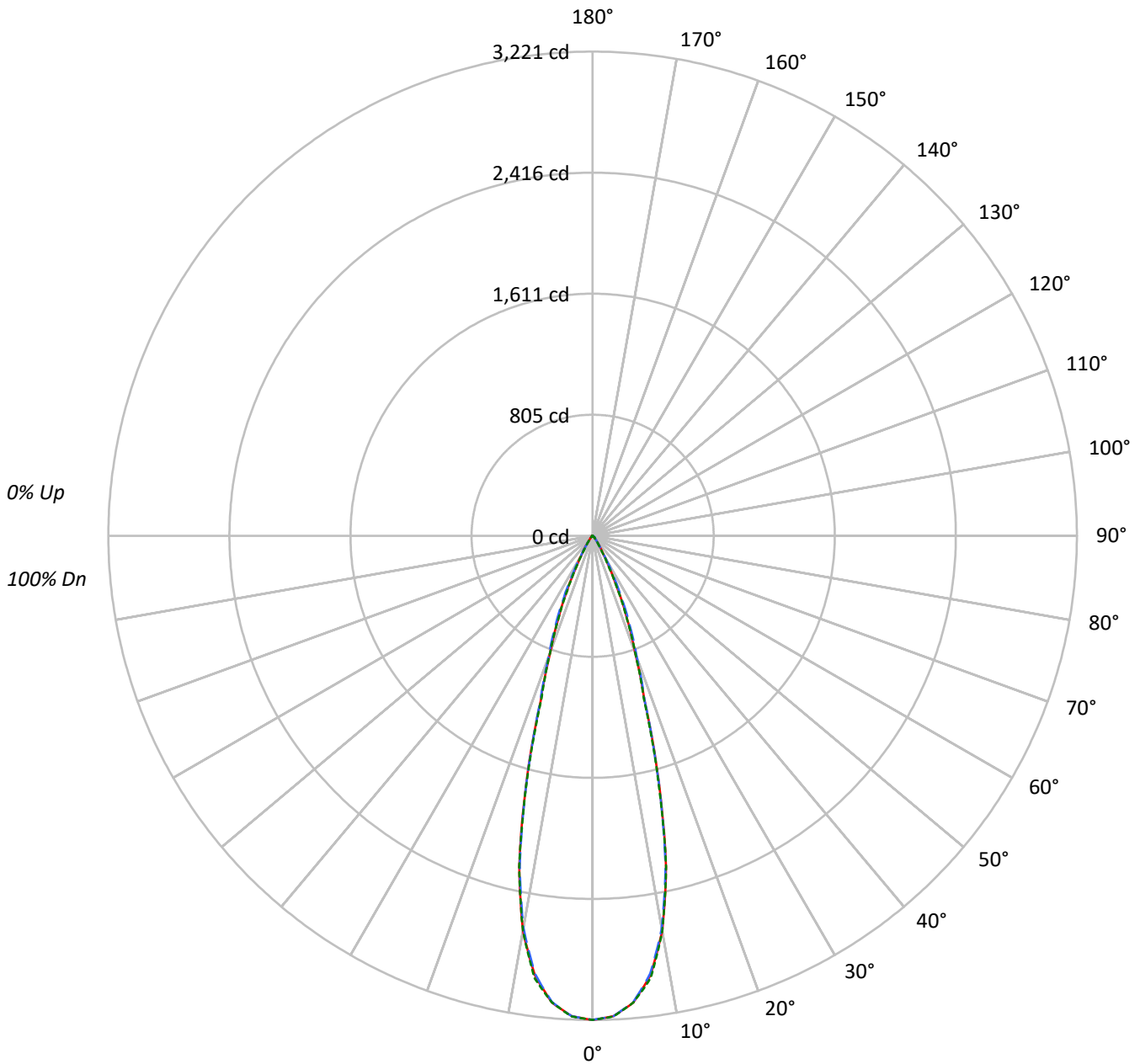


Downlight



TEST NUMBER: P760194
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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°	246531	246531	246531
5°	239459	239174	239474
10°	207407	205946	207360
15°	135324	134595	133922
20°	67291	69816	67201
25°	33901	38225	33200
30°	13576	14787	11826
35°	6298	6027	5055
40°	2718	3018	2558
45°	1916	2381	1938
50°	667	1739	691
55°	387	721	400
60°	260	321	260
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: 2381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	28.3
10°-20°	456.1	45.5
20°-30°	197.1	19.7
30°-40°	44.9	4.5
40°-50°	15.4	1.5
50°-60°	3.8	0.4
60°-70°	1.0	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°	936.5	93.5
0°-40°	981.4	98.0
0°-60°	1000.6	99.9
0°-90°	1001.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3221	3221	3221	3221	3221	
5°	3116	3114	3113	3119	3117	283
15°	1708	1687	1698	1693	1690	457
25°	401	416	453	406	393	192
35°	67	69	64	64	54	46
45°	18	22	22	22	18	13
55°	3	3	5	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3220.8	3220.8	3220.8	3220.8	3220.8
2.5°	3199.5	3197.3	3198.6	3200.2	3200.8
5°	3116.5	3113.5	3112.8	3119.4	3116.7
7.5°	2949.0	2944.7	2938.3	2953.0	2966.7
10°	2668.5	2663.8	2649.7	2656.7	2667.9
12.5°	2254.3	2239.0	2238.7	2260.9	2257.8
15°	1707.7	1687.1	1698.5	1693.0	1690.0
17.5°	1148.4	1140.5	1155.6	1151.1	1131.3
20°	826.1	828.1	857.1	842.5	825.0
22.5°	602.8	610.2	644.6	607.1	593.3
25°	401.4	416.5	452.6	405.9	393.1
27.5°	246.8	253.8	290.3	243.7	236.7
30°	153.6	150.1	167.3	143.6	133.8
32.5°	100.7	96.3	101.8	91.4	83.5
35°	67.4	68.8	64.5	64.1	54.1
37.5°	42.1	48.4	42.7	45.5	34.8
40°	27.2	35.1	30.2	33.3	25.6
42.5°	22.3	27.0	24.8	26.4	22.7
45°	17.7	22.0	22.0	22.0	17.9
47.5°	9.8	14.7	18.8	15.0	10.4
50°	5.6	7.4	14.6	7.7	5.8
52.5°	3.8	4.3	10.0	4.4	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.3	2.9	2.3	2.2
60°	1.7	1.7	2.1	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
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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