

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: P760230

Luminaire Tested: LD6D10D010-EU6DR300210IC9050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760230
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-EU6DR300210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1088.1 lumens
Efficiency: N/A
Efficacy: 93.0 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



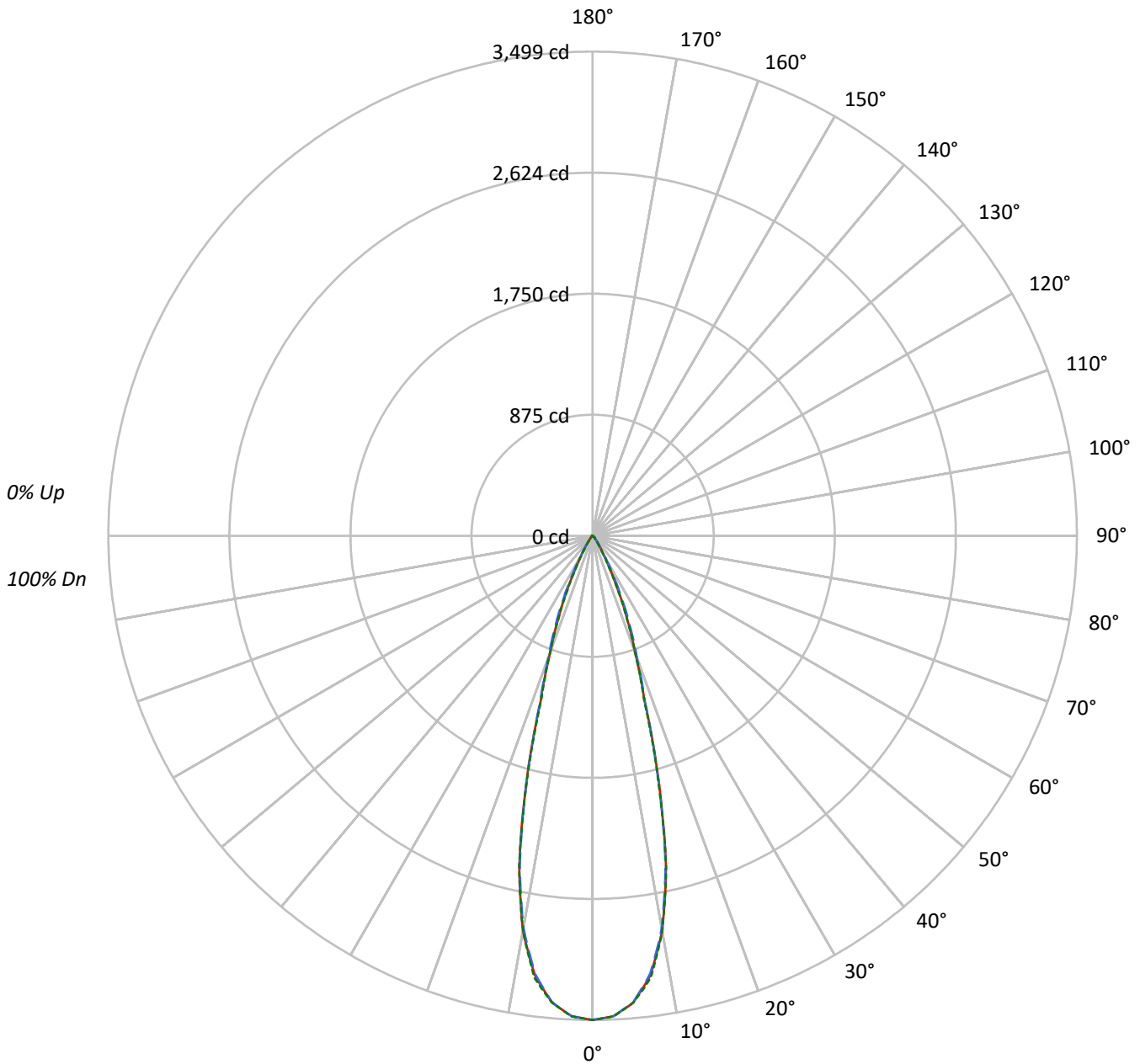
Downlight



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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°	267802	267802	267802
5°	260120	259813	260135
10°	225299	223714	225245
15°	146997	146212	145475
20°	73098	75835	73001
25°	36823	41519	36063
30°	14743	16060	12842
35°	6840	6550	5485
40°	2958	3277	2778
45°	2089	2587	2100
50°	714	1881	762
55°	414	774	440
60°	291	337	291
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: 2587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.7	28.3
10°-20°	495.5	45.5
20°-30°	214.1	19.7
30°-40°	48.8	4.5
40°-50°	16.8	1.5
50°-60°	4.1	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°	1017.3	93.5
0°-40°	1066.1	98.0
0°-60°	1086.9	99.9
0°-90°	1088.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3499	3499	3499	3499	3499	
5°	3385	3382	3381	3388	3386	308
15°	1855	1833	1845	1839	1836	497
25°	436	452	492	441	427	209
35°	73	75	70	70	59	50
45°	19	24	24	24	19	14
55°	3	3	6	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3498.7	3498.7	3498.7	3498.7	3498.7
2.5°	3475.6	3473.2	3474.5	3476.3	3477.0
5°	3385.4	3382.1	3381.4	3388.5	3385.6
7.5°	3203.5	3198.8	3191.8	3207.8	3222.7
10°	2898.7	2893.6	2878.3	2885.8	2898.0
12.5°	2448.8	2432.2	2431.8	2455.9	2452.6
15°	1855.0	1832.7	1845.1	1839.1	1835.8
17.5°	1247.4	1238.8	1255.3	1250.4	1228.9
20°	897.4	899.6	931.0	915.2	896.2
22.5°	654.8	662.9	700.1	659.5	644.5
25°	436.0	452.5	491.6	440.9	427.0
27.5°	268.1	275.7	315.4	264.7	257.1
30°	166.8	163.0	181.7	156.0	145.3
32.5°	109.4	104.6	110.6	99.3	90.7
35°	73.2	74.7	70.1	69.6	58.7
37.5°	45.7	52.5	46.4	49.4	37.8
40°	29.6	38.2	32.8	36.3	27.8
42.5°	24.2	29.4	27.0	28.7	24.8
45°	19.3	23.9	23.9	23.9	19.4
47.5°	10.7	16.0	20.5	16.3	11.3
50°	6.0	8.1	15.8	8.4	6.4
52.5°	4.1	4.6	10.8	4.8	4.3
55°	3.1	3.3	5.8	3.4	3.3
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.1	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
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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