

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: P773393

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773393
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: LD6D90BD010-EU6DR3070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9134.0 lumens
Efficiency: N/A
Efficacy: 92.4 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): 98.9
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

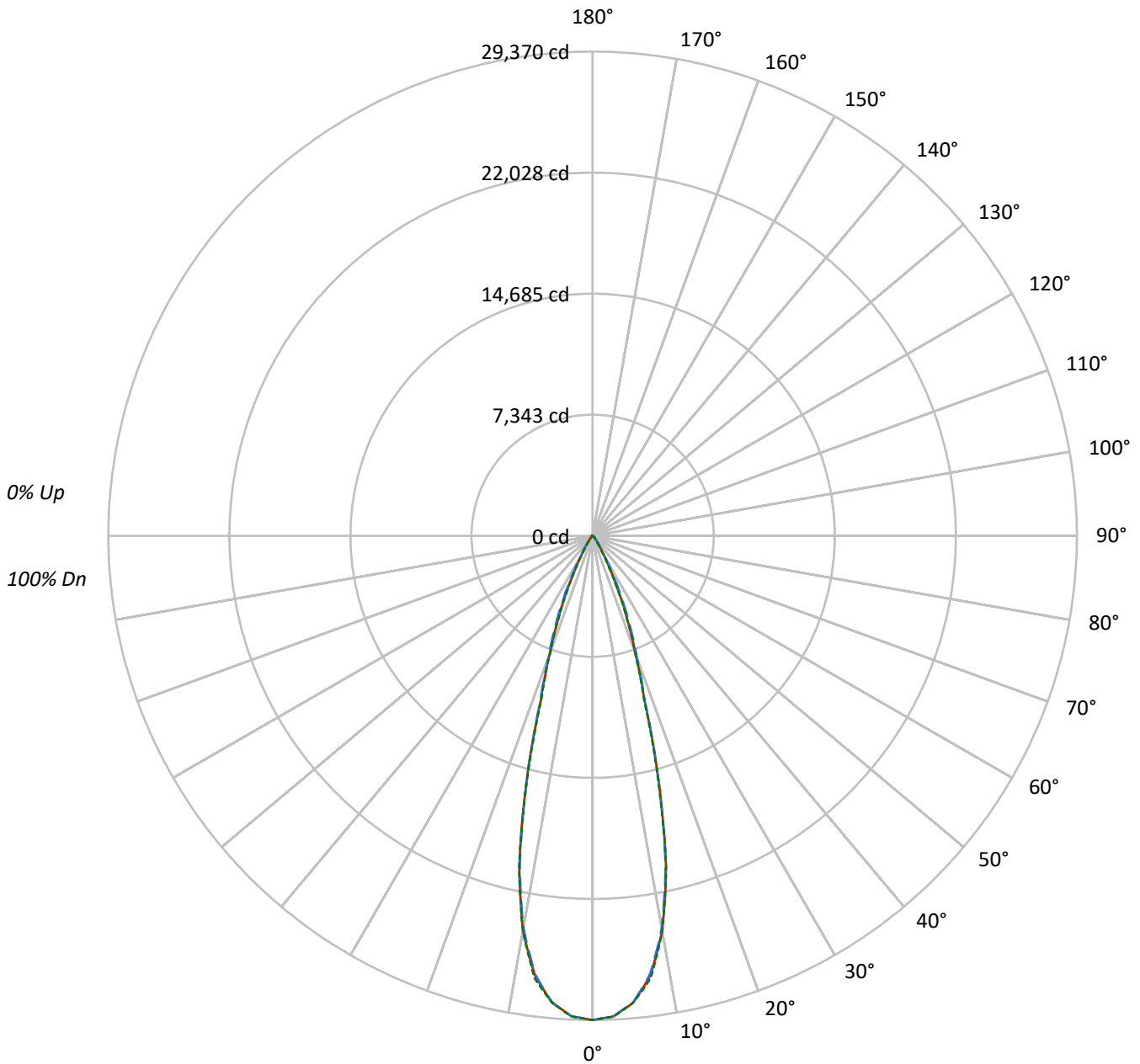


Downlight

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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°	2248103	2248103	2248103
5°	2183565	2181014	2183673
10°	1891294	1877957	1890851
15°	1233981	1227348	1221183
20°	613598	636618	612776
25°	309085	348551	302759
30°	123756	134840	107820
35°	57402	54972	46086
40°	24780	27518	23341
45°	17482	21693	17634
50°	6014	15802	6359
55°	3470	6539	3657
60°	2434	2863	2434
65°	1576	1576	1576
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21693 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2582.7	28.3
10°-20°	4159.4	45.5
20°-30°	1797.4	19.7
30°-40°	409.7	4.5
40°-50°	140.7	1.5
50°-60°	34.4	0.4
60°-70°	8.9	0.1
70°-80°	0.9	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°	8539.5	93.5
0°-40°	8949.1	98.0
0°-60°	9124.2	99.9
0°-90°	9134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29370	29370	29370	29370	29370	
5°	28419	28391	28385	28444	28420	2585
15°	15572	15384	15488	15438	15410	4170
25°	3660	3798	4127	3702	3585	1752
35°	614	627	588	584	493	417
45°	162	200	200	200	163	115
55°	26	27	49	29	27	25
65°	9	9	9	9	9	9
75°	0	0	1	0	0	1
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°	29370.3	29370.3	29370.3	29370.3	29370.3
2.5°	29175.6	29155.4	29167.0	29181.4	29187.1
5°	28418.6	28391.2	28385.4	28444.5	28420.0
7.5°	26891.5	26852.6	26793.5	26927.6	27053.0
10°	24333.4	24290.2	24161.8	24225.3	24327.7
12.5°	20556.9	20417.0	20414.1	20616.0	20588.6
15°	15572.0	15384.5	15488.3	15437.9	15410.5
17.5°	10471.7	10399.6	10538.0	10496.2	10315.9
20°	7532.9	7551.7	7815.5	7682.9	7522.8
22.5°	5496.8	5564.6	5877.5	5535.8	5410.3
25°	3659.7	3798.2	4127.0	3701.6	3584.8
27.5°	2250.9	2314.4	2647.5	2222.1	2158.6
30°	1400.2	1368.4	1525.6	1309.3	1219.9
32.5°	918.5	878.2	928.6	833.5	761.4
35°	614.3	627.3	588.3	584.0	493.2
37.5°	383.6	441.2	389.3	415.3	317.2
40°	248.0	320.1	275.4	304.3	233.6
42.5°	203.3	246.6	226.4	240.8	207.6
45°	161.5	200.4	200.4	200.4	162.9
47.5°	89.4	134.1	171.6	137.0	95.2
50°	50.5	67.8	132.7	70.7	53.4
52.5°	34.6	38.9	90.8	40.4	36.0
55°	26.0	27.4	49.0	28.8	27.4
57.5°	20.2	21.6	26.0	21.6	20.2
60°	15.9	15.9	18.7	17.3	15.9
62.5°	11.5	11.5	13.0	11.5	11.5
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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