

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: P772682

Luminaire Tested: LD6D85BD010-EU6DR3070959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772682
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: LD6D85BD010-EU6DR3070959050-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 11267.8 lumens
Efficiency: N/A
Efficacy: 128.5 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): 87.7
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

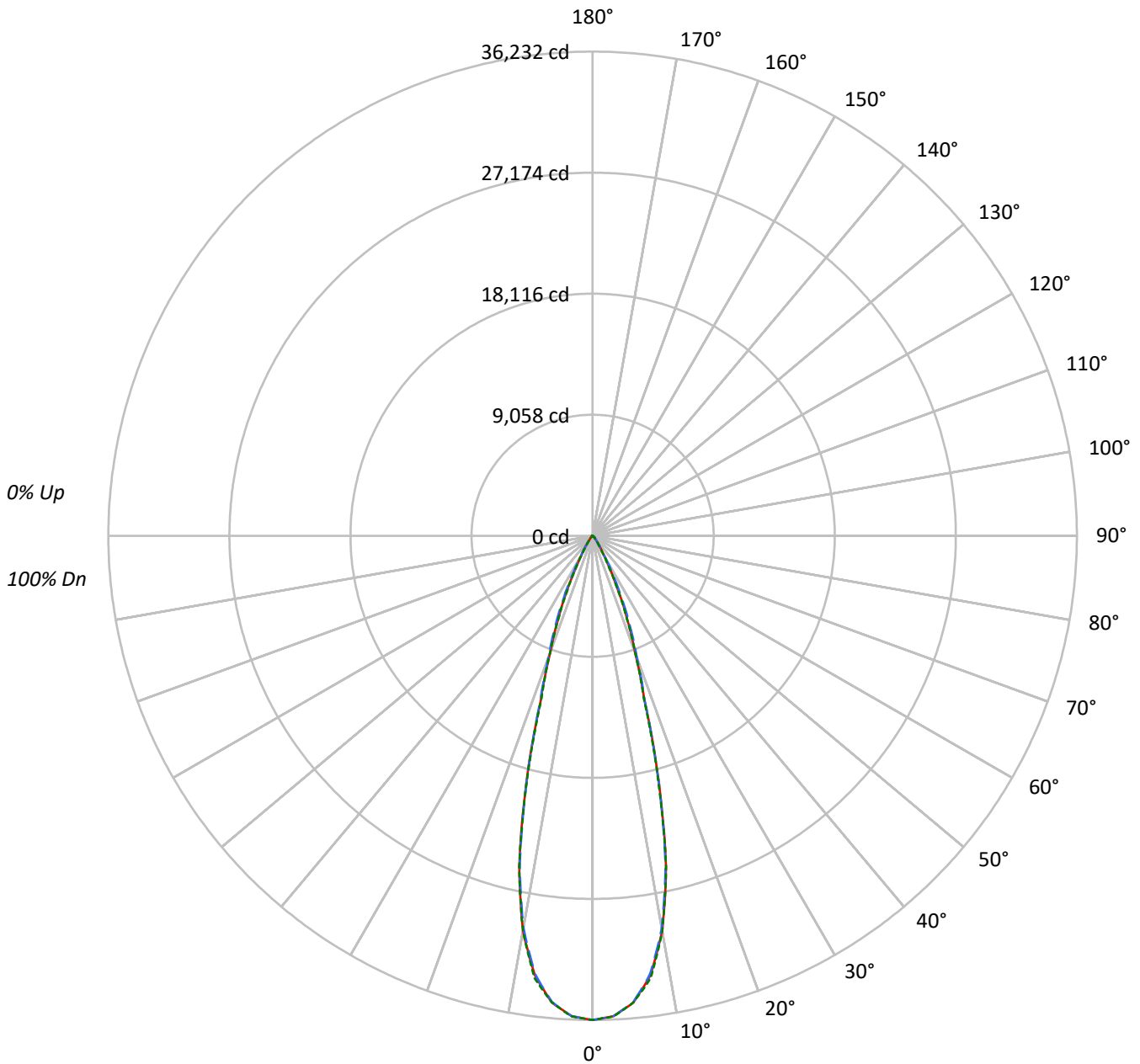


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2773282	2773282	2773282
5°	2693670	2690528	2693809
10°	2333125	2316671	2332573
15°	1522245	1514075	1506460
20°	756944	785340	755926
25°	381295	429975	373483
30°	152667	166340	133010
35°	70811	67820	56850
40°	30576	33953	28797
45°	21563	26770	21758
50°	7419	19493	7835
55°	4270	8074	4511
60°	3001	3536	3001
65°	1938	1938	1938
70°	1186	806	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3186.0	28.3
10°-20°	5131.1	45.5
20°-30°	2217.3	19.7
30°-40°	505.4	4.5
40°-50°	173.5	1.5
50°-60°	42.4	0.4
60°-70°	11.0	0.1
70°-80°	1.2	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°	10534.4	93.5
0°-40°	11039.8	98.0
0°-60°	11255.7	99.9
0°-90°	11267.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11267.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36232	36232	36232	36232	36232	
5°	35058	35024	35017	35090	35059	3189
15°	19210	18978	19107	19044	19010	5144
25°	4515	4686	5091	4566	4422	2161
35°	758	774	726	720	608	514
45°	199	247	247	247	201	141
55°	32	34	60	36	34	31
65°	11	11	11	11	11	10
75°	0	0	2	0	0	2
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°	36231.5	36231.5	36231.5	36231.5	36231.5
2.5°	35991.4	35966.5	35980.7	35998.5	36005.6
5°	35057.5	35023.7	35016.6	35089.5	35059.3
7.5°	33173.7	33125.6	33052.7	33218.1	33372.9
10°	30018.0	29964.6	29806.3	29884.6	30010.9
12.5°	25359.2	25186.7	25183.1	25432.1	25398.3
15°	19209.7	18978.5	19106.6	19044.3	19010.5
17.5°	12918.0	12829.0	12999.8	12948.2	12725.9
20°	9292.7	9315.8	9641.3	9477.7	9280.2
22.5°	6781.0	6864.6	7250.6	6829.0	6674.2
25°	4514.7	4685.5	5091.1	4566.3	4422.2
27.5°	2776.8	2855.0	3266.0	2741.2	2662.9
30°	1727.3	1688.1	1882.0	1615.2	1504.9
32.5°	1133.1	1083.3	1145.6	1028.2	939.2
35°	757.8	773.8	725.8	720.4	608.4
37.5°	473.2	544.3	480.3	512.3	391.3
40°	306.0	394.9	339.8	375.3	288.2
42.5°	250.8	304.2	279.3	297.1	256.2
45°	199.2	247.3	247.3	247.3	201.0
47.5°	110.3	165.4	211.7	169.0	117.4
50°	62.3	83.6	163.7	87.2	65.8
52.5°	42.7	48.0	112.1	49.8	44.5
55°	32.0	33.8	60.5	35.6	33.8
57.5°	24.9	26.7	32.0	26.7	24.9
60°	19.6	19.6	23.1	21.3	19.6
62.5°	14.2	14.2	16.0	14.2	14.2
65°	10.7	10.7	10.7	10.7	10.7
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.6	3.6	3.6	5.3
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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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