

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: P772666

Luminaire Tested: LD6D85BD010-EU6DR3070959040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772666
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-EU6DR3070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11159.9 lumens
Efficiency: N/A
Efficacy: 127.3 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

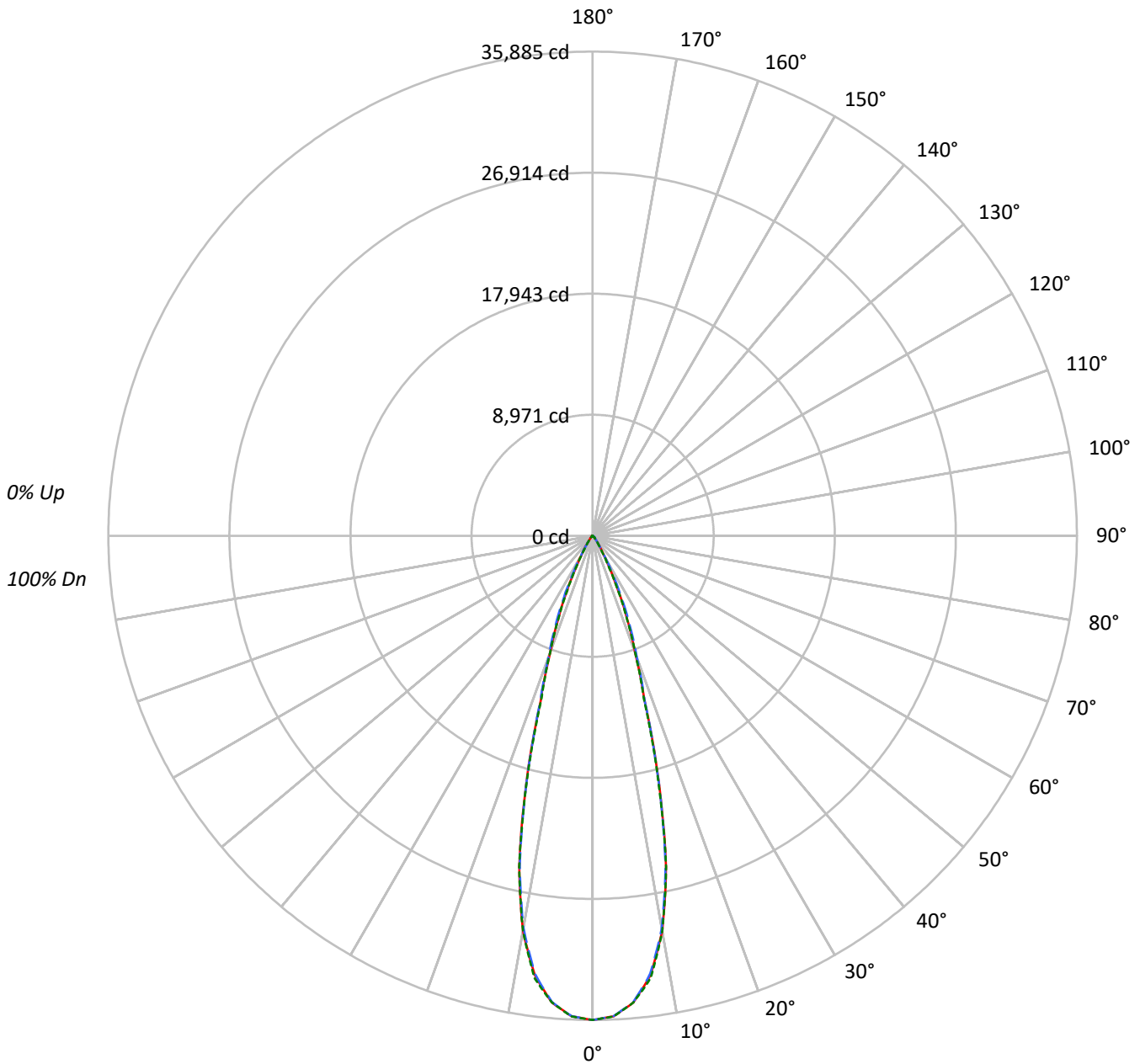


Downlight

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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°	2746729	2746729	2746729
5°	2667877	2664765	2668015
10°	2310787	2294488	2310243
15°	1507672	1499573	1492037
20°	749695	777821	748693
25°	377646	425854	369910
30°	151200	164749	131737
35°	70128	67166	56299
40°	30276	33623	28517
45°	21357	26510	21552
50°	7347	19303	7764
55°	4230	7994	4471
60°	2970	3506	2970
65°	1920	1920	1920
70°	1186	783	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: 26510 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3155.5	28.3
10°-20°	5082.0	45.5
20°-30°	2196.1	19.7
30°-40°	500.5	4.5
40°-50°	171.9	1.5
50°-60°	42.0	0.4
60°-70°	10.9	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°	10433.5	93.5
0°-40°	10934.1	98.0
0°-60°	11147.9	99.9
0°-90°	11159.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11159.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35885	35885	35885	35885	35885	
5°	34722	34688	34681	34754	34724	3158
15°	19026	18797	18924	18862	18828	5094
25°	4472	4641	5042	4523	4380	2140
35°	750	766	719	714	602	509
45°	197	245	245	245	199	140
55°	32	34	60	35	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35884.6	35884.6	35884.6	35884.6	35884.6
2.5°	35646.8	35622.1	35636.2	35653.8	35660.9
5°	34721.8	34688.3	34681.3	34753.5	34723.6
7.5°	32856.1	32808.5	32736.3	32900.1	33053.4
10°	29730.6	29677.7	29520.9	29598.5	29723.6
12.5°	25116.4	24945.5	24942.0	25188.6	25155.2
15°	19025.8	18796.8	18923.6	18862.0	18828.5
17.5°	12794.3	12706.2	12875.3	12824.2	12604.0
20°	9203.7	9226.6	9549.0	9386.9	9191.4
22.5°	6716.0	6798.8	7181.2	6763.6	6610.3
25°	4471.5	4640.6	5042.3	4522.6	4379.9
27.5°	2750.2	2827.7	3234.7	2715.0	2637.4
30°	1710.7	1672.0	1864.0	1599.7	1490.5
32.5°	1122.3	1072.9	1134.6	1018.3	930.2
35°	750.5	766.4	718.8	713.5	602.5
37.5°	468.6	539.1	475.7	507.4	387.6
40°	303.0	391.1	336.5	371.7	285.4
42.5°	248.4	301.3	276.6	294.2	253.7
45°	197.3	244.9	244.9	244.9	199.1
47.5°	109.2	163.8	209.7	167.4	116.3
50°	61.7	82.8	162.1	86.3	65.2
52.5°	42.3	47.6	111.0	49.3	44.0
55°	31.7	33.5	59.9	35.2	33.5
57.5°	24.7	26.4	31.7	26.4	24.7
60°	19.4	19.4	22.9	21.1	19.4
62.5°	14.1	14.1	15.9	14.1	14.1
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.0	7.0	7.0	7.0
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	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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