

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: P772640

Luminaire Tested: LD6D85BD010-EU6DR3070959030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772640
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-EU6DR3070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10550.4 lumens
Efficiency: N/A
Efficacy: 120.3 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

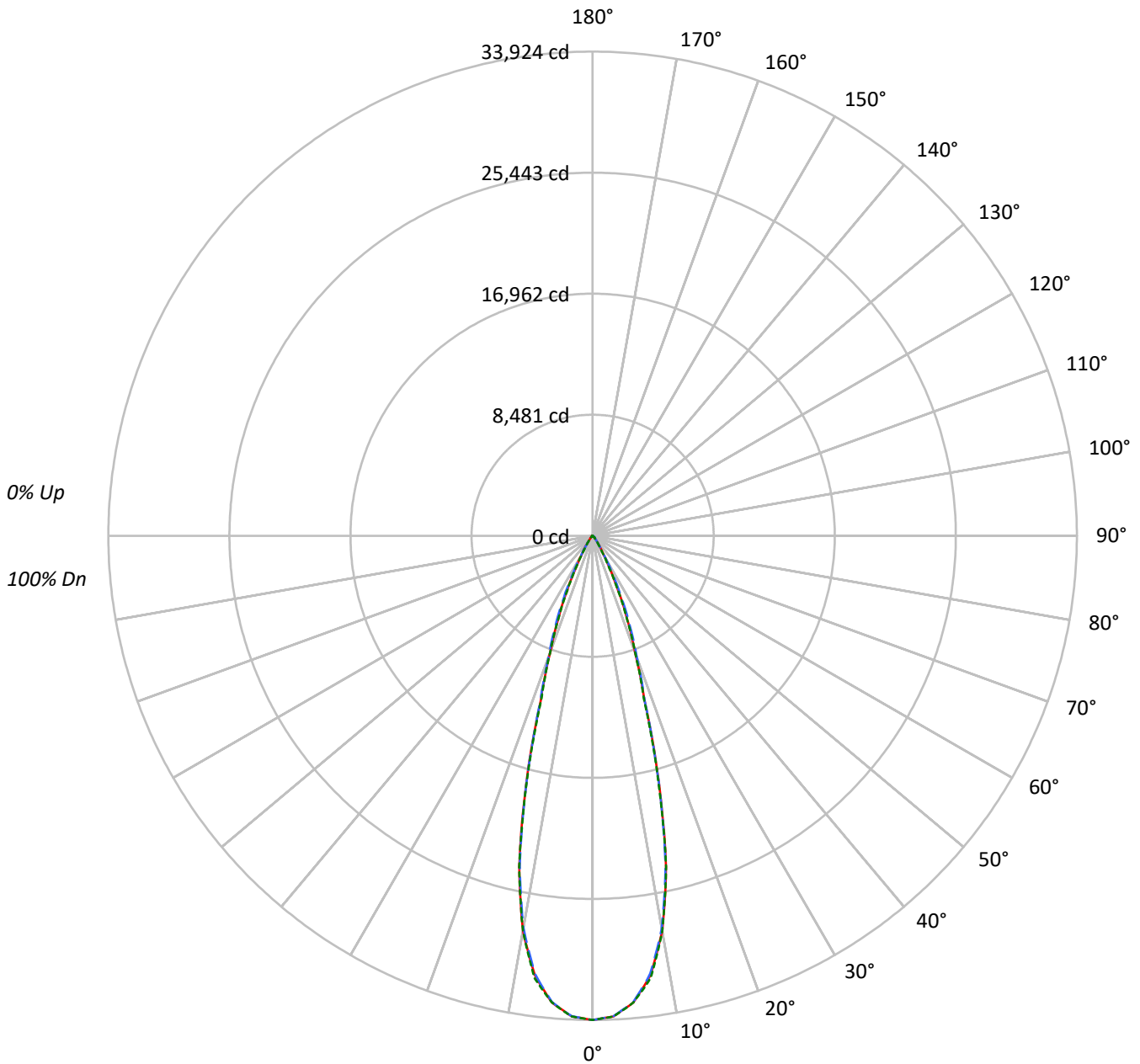


Downlight

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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°	2596696	2596696	2596696
5°	2522150	2519207	2522280
10°	2184571	2169166	2184050
15°	1425322	1417667	1410543
20°	708747	735334	707794
25°	357014	402595	349700
30°	142945	155752	124543
35°	66297	63503	53225
40°	28627	31785	26958
45°	20188	25060	20372
50°	6942	18243	7335
55°	4003	7553	4217
60°	2801	3322	2801
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2983.1	28.3
10°-20°	4804.4	45.5
20°-30°	2076.1	19.7
30°-40°	473.2	4.5
40°-50°	162.5	1.5
50°-60°	39.7	0.4
60°-70°	10.3	0.1
70°-80°	1.1	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°	9863.6	93.5
0°-40°	10336.8	98.0
0°-60°	10539.0	99.9
0°-90°	10550.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10550.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33924	33924	33924	33924	33924	
5°	32825	32794	32787	32855	32827	2986
15°	17987	17770	17890	17832	17800	4816
25°	4227	4387	4767	4276	4141	2023
35°	710	724	680	675	570	481
45°	186	232	232	232	188	132
55°	30	32	57	33	32	29
65°	10	10	10	10	10	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°	33924.5	33924.5	33924.5	33924.5	33924.5
2.5°	33699.7	33676.4	33689.7	33706.3	33713.0
5°	32825.2	32793.6	32786.9	32855.2	32826.9
7.5°	31061.4	31016.4	30948.1	31103.0	31247.9
10°	28106.7	28056.7	27908.5	27981.7	28100.0
12.5°	23744.5	23582.9	23579.6	23812.8	23781.1
15°	17986.6	17770.1	17890.0	17831.7	17800.1
17.5°	12095.4	12012.2	12172.1	12123.8	11915.6
20°	8701.0	8722.6	9027.4	8874.2	8689.3
22.5°	6349.2	6427.5	6788.9	6394.2	6249.3
25°	4227.2	4387.1	4766.9	4275.5	4140.6
27.5°	2600.0	2673.3	3058.0	2566.7	2493.4
30°	1617.3	1580.6	1762.2	1512.3	1409.1
32.5°	1061.0	1014.3	1072.6	962.7	879.4
35°	709.5	724.5	679.6	674.6	569.6
37.5°	443.0	509.7	449.7	479.7	366.4
40°	286.5	369.8	318.1	351.4	269.8
42.5°	234.8	284.8	261.5	278.2	239.8
45°	186.5	231.5	231.5	231.5	188.2
47.5°	103.3	154.9	198.2	158.2	109.9
50°	58.3	78.3	153.2	81.6	61.6
52.5°	40.0	45.0	104.9	46.6	41.6
55°	30.0	31.6	56.6	33.3	31.6
57.5°	23.3	25.0	30.0	25.0	23.3
60°	18.3	18.3	21.7	20.0	18.3
62.5°	13.3	13.3	15.0	13.3	13.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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