

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P772617

Luminaire Tested: LD6D85BD010-EU6DR3070959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772617
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-EU6DR3070959024-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 9063.1 lumens
Efficiency: N/A
Efficacy: 103.3 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

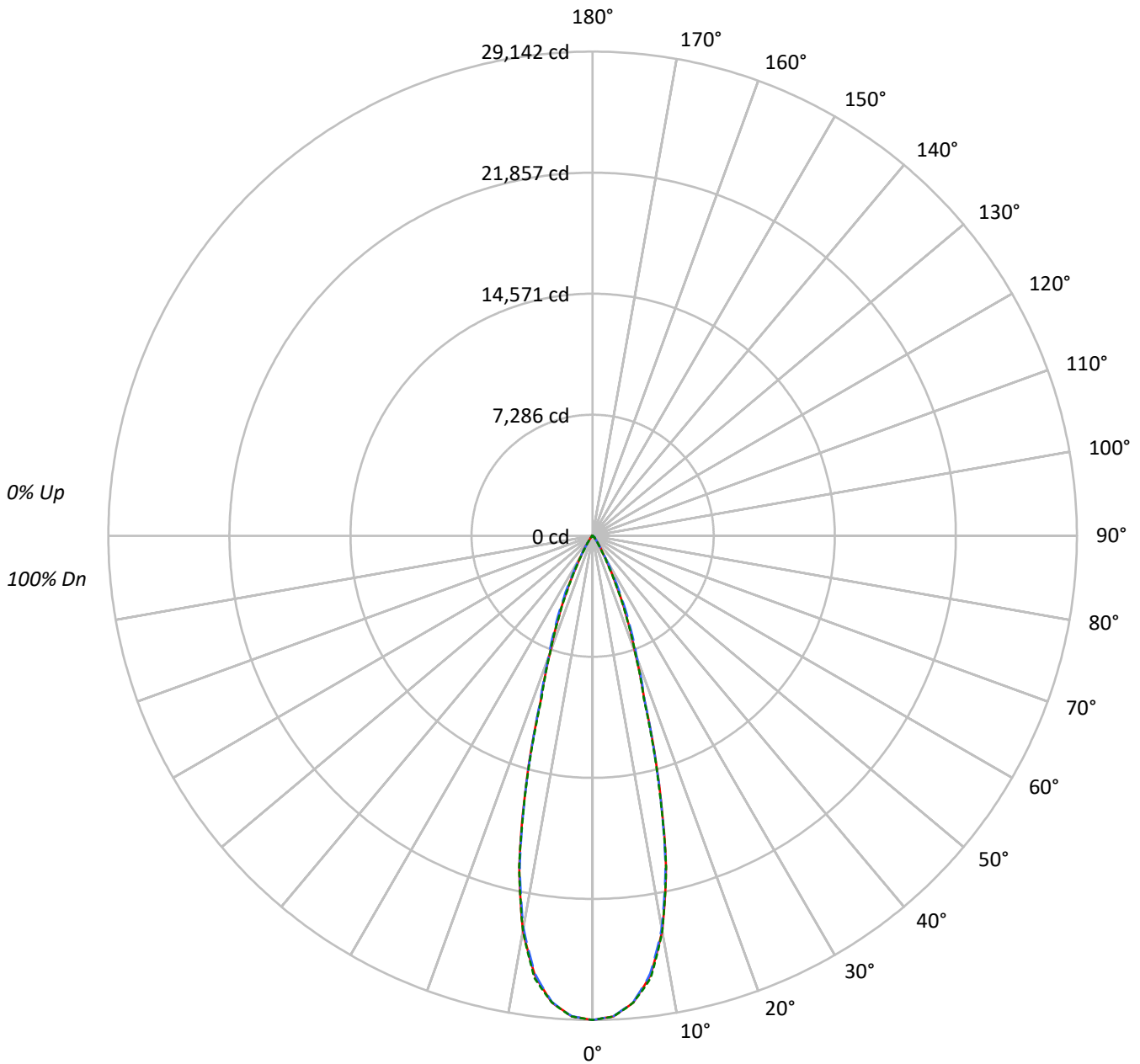


Downlight

TEST NUMBER: P772617

CATALOG NUMBER: LD6D85BD010-EU6DR3070959024-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P772617

CATALOG NUMBER: LD6D85BD010-EU6DR3070959024-6LBS1H

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°	2230658	2230658	2230658
5°	2166623	2164095	2166731
10°	1876620	1863391	1876177
15°	1224400	1217831	1211705
20°	608841	631681	608027
25°	306695	345840	300411
30°	122793	133797	106990
35°	56953	54552	45721
40°	24590	27308	23162
45°	17341	21531	17504
50°	5966	15671	6299
55°	3443	6486	3630
60°	2403	2847	2403
65°	1558	1558	1558
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: 21531 cd/sqm



TEST NUMBER: P772617

CATALOG NUMBER: LD6D85BD010-EU6DR3070959024-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2562.6	28.3
10°-20°	4127.1	45.5
20°-30°	1783.4	19.7
30°-40°	406.5	4.5
40°-50°	139.6	1.5
50°-60°	34.1	0.4
60°-70°	8.8	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°	8473.2	93.5
0°-40°	8879.7	98.0
0°-60°	9053.4	99.9
0°-90°	9063.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9063.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29142	29142	29142	29142	29142	
5°	28198	28171	28165	28224	28200	2565
15°	15451	15265	15368	15318	15291	4137
25°	3631	3769	4095	3673	3557	1738
35°	610	622	584	580	489	413
45°	160	199	199	199	162	114
55°	26	27	49	29	27	25
65°	9	9	9	9	9	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P772617

CATALOG NUMBER: LD6D85BD010-EU6DR3070959024-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29142.4	29142.4	29142.4	29142.4	29142.4
2.5°	28949.3	28929.2	28940.7	28955.0	28960.7
5°	28198.1	28170.9	28165.2	28223.8	28199.5
7.5°	26682.9	26644.2	26585.6	26718.6	26843.1
10°	24144.6	24101.7	23974.4	24037.3	24138.9
12.5°	20397.4	20258.6	20255.7	20456.1	20428.9
15°	15451.1	15265.1	15368.2	15318.1	15290.9
17.5°	10390.4	10318.9	10456.2	10414.7	10235.9
20°	7474.5	7493.1	7754.9	7623.3	7464.5
22.5°	5454.2	5521.4	5831.9	5492.8	5368.3
25°	3631.4	3768.7	4094.9	3672.8	3557.0
27.5°	2233.5	2296.4	2626.9	2204.9	2141.9
30°	1389.3	1357.8	1513.8	1299.2	1210.5
32.5°	911.4	871.4	921.4	827.0	755.5
35°	609.5	622.4	583.8	579.5	489.3
37.5°	380.6	437.8	386.3	412.1	314.8
40°	246.1	317.6	273.3	301.9	231.8
42.5°	201.7	244.7	224.6	238.9	206.0
45°	160.2	198.9	198.9	198.9	161.7
47.5°	88.7	133.1	170.3	135.9	94.4
50°	50.1	67.2	131.6	70.1	52.9
52.5°	34.3	38.6	90.1	40.1	35.8
55°	25.8	27.2	48.6	28.6	27.2
57.5°	20.0	21.5	25.8	21.5	20.0
60°	15.7	15.7	18.6	17.2	15.7
62.5°	11.4	11.4	12.9	11.4	11.4
65°	8.6	8.6	8.6	8.6	8.6
67.5°	4.3	5.7	5.7	5.7	5.7
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)