

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: P769544

Luminaire Tested: LD6D65D010-EU6DR3055659040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769544
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: LD6D65D010-EU6DR3055659040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6585.4 lumens
Efficiency: N/A
Efficacy: 90.5 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): 72.8
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

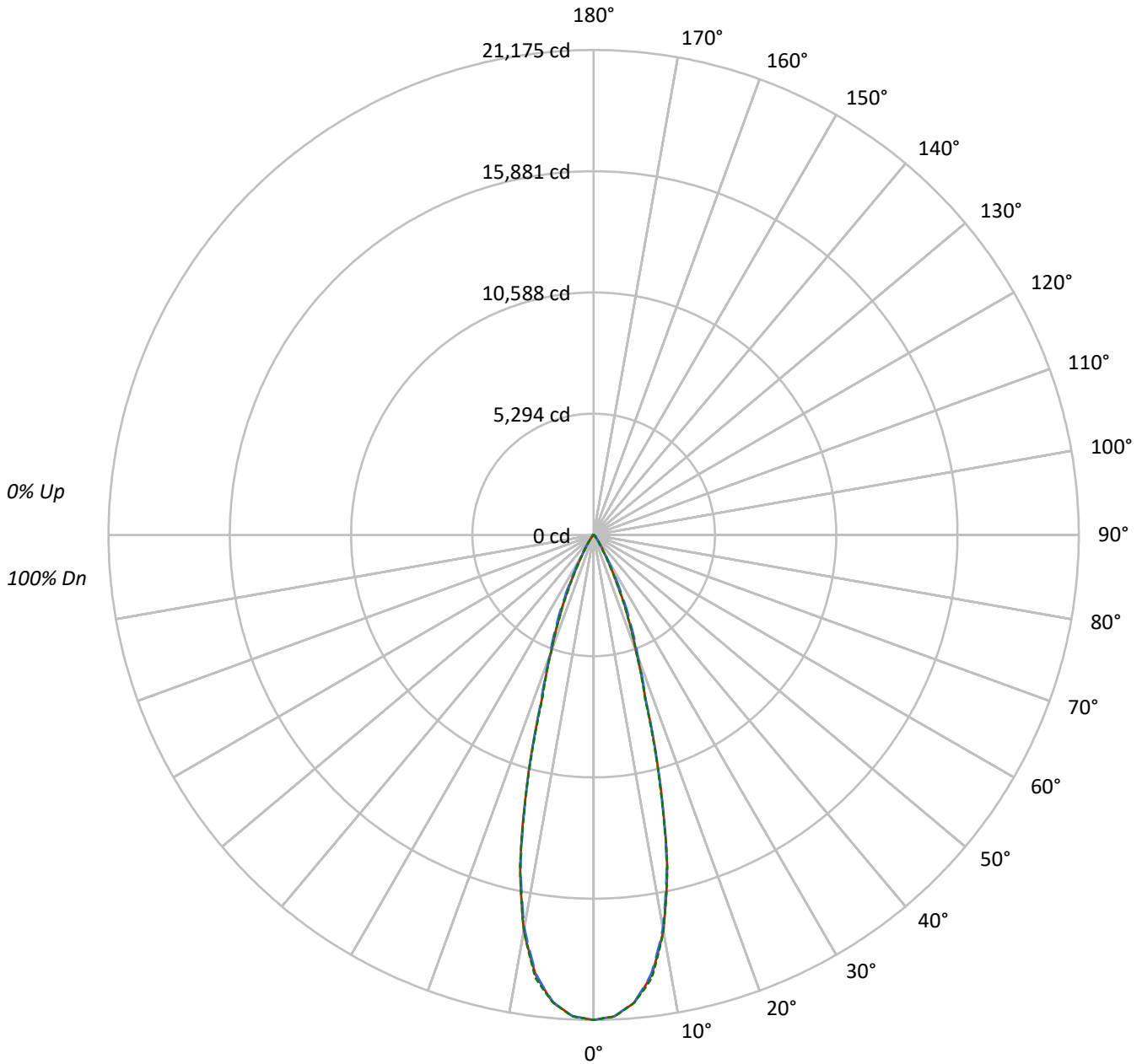


Downlight

TEST NUMBER: P769544

CATALOG NUMBER: LD6D65D010-EU6DR3055659040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P769544

CATALOG NUMBER: LD6D65D010-EU6DR3055659040-6LBDP1B

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°	1620822	1620822	1620822
5°	1574288	1572452	1574373
10°	1363578	1353956	1363251
15°	889667	884889	880436
20°	442386	458987	441800
25°	222846	251291	218277
30°	89224	97214	77734
35°	41386	39638	33228
40°	17866	19844	16827
45°	12600	15642	12719
50°	4335	11384	4585
55°	2496	4711	2642
60°	1745	2067	1745
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15642 cd/sqm



TEST NUMBER: P769544

CATALOG NUMBER: LD6D65D010-EU6DR3055659040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1862.0	28.3
10°-20°	2998.8	45.5
20°-30°	1295.9	19.7
30°-40°	295.4	4.5
40°-50°	101.4	1.5
50°-60°	24.8	0.4
60°-70°	6.4	0.1
70°-80°	0.7	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°	6156.7	93.5
0°-40°	6452.1	98.0
0°-60°	6578.3	99.9
0°-90°	6585.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6585.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21175	21175	21175	21175	21175	
5°	20489	20469	20465	20508	20490	1864
15°	11227	11092	11167	11130	11110	3006
25°	2639	2738	2975	2669	2584	1263
35°	443	452	424	421	356	300
45°	116	144	144	144	118	83
55°	19	20	35	21	20	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P769544

CATALOG NUMBER: LD6D65D010-EU6DR3055659040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21175.2	21175.2	21175.2	21175.2	21175.2
2.5°	21034.8	21020.3	21028.6	21039.0	21043.2
5°	20489.0	20469.3	20465.1	20507.7	20490.1
7.5°	19388.1	19360.0	19317.4	19414.1	19504.5
10°	17543.8	17512.6	17420.0	17465.8	17539.6
12.5°	14821.0	14720.1	14718.0	14863.6	14843.8
15°	11227.0	11091.8	11166.7	11130.3	11110.5
17.5°	7549.8	7497.8	7597.6	7567.5	7437.5
20°	5431.0	5444.5	5634.8	5539.1	5423.8
22.5°	3963.1	4011.9	4237.5	3991.1	3900.7
25°	2638.6	2738.4	2975.4	2668.7	2584.5
27.5°	1622.9	1668.6	1908.8	1602.1	1556.3
30°	1009.5	986.6	1099.9	944.0	879.5
32.5°	662.2	633.1	669.5	600.9	548.9
35°	442.9	452.2	424.2	421.1	355.6
37.5°	276.5	318.1	280.7	299.4	228.7
40°	178.8	230.8	198.6	219.4	168.4
42.5°	146.6	177.8	163.2	173.6	149.7
45°	116.4	144.5	144.5	144.5	117.5
47.5°	64.5	96.7	123.7	98.8	68.6
50°	36.4	48.9	95.6	50.9	38.5
52.5°	25.0	28.1	65.5	29.1	26.0
55°	18.7	19.8	35.3	20.8	19.8
57.5°	14.6	15.6	18.7	15.6	14.6
60°	11.4	11.4	13.5	12.5	11.4
62.5°	8.3	8.3	9.4	8.3	8.3
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)