

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: P769493

Luminaire Tested: LD6D65D010-EU6DR3055659024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P769493
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-EU6DR3055659024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 6626.2 lumens
Efficiency: N/A
Efficacy: 91.0 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

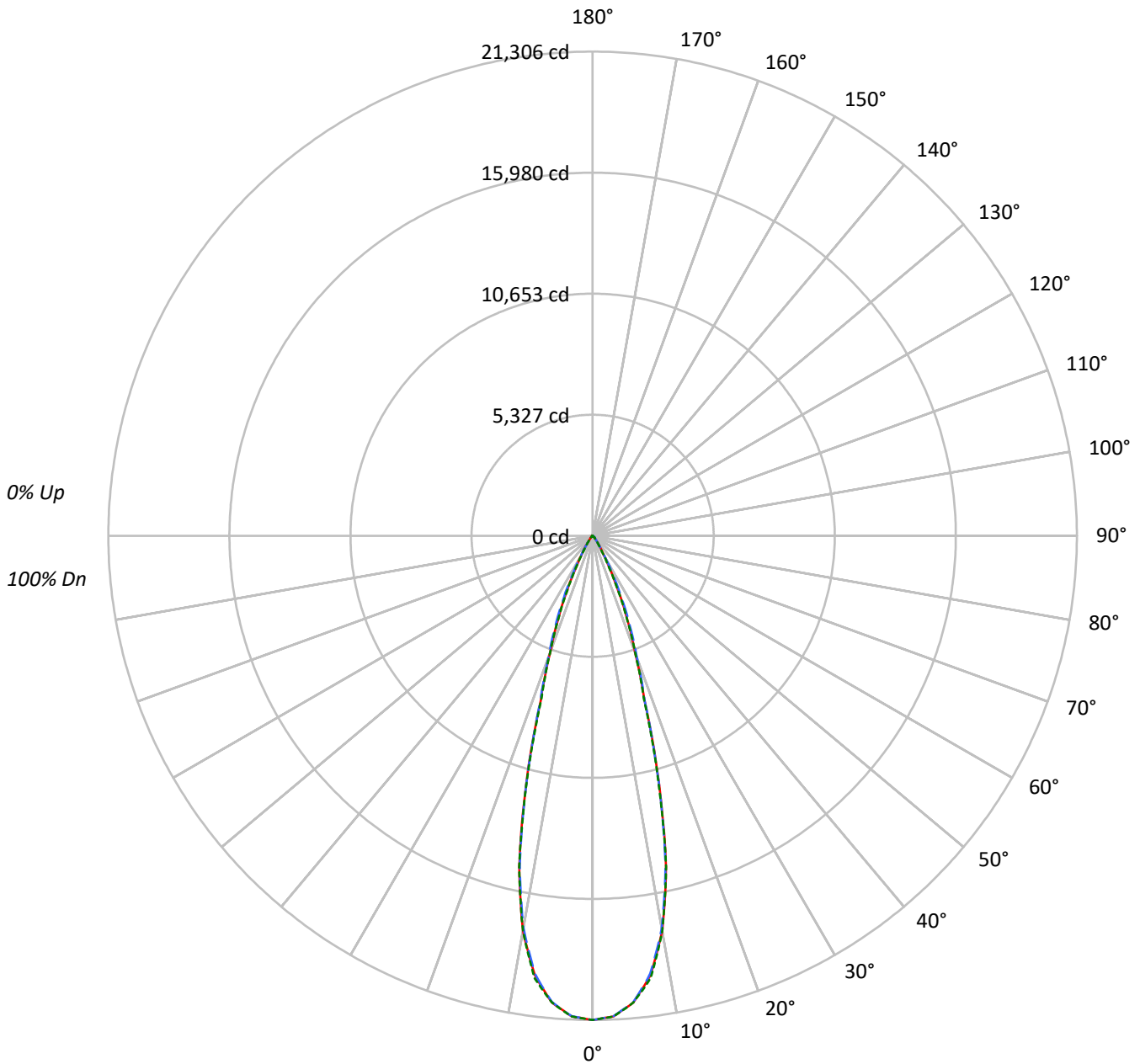
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P769493
CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P769493

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBDP1H

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	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°	1630872	1630872	1630872
5°	1584054	1582202	1584131
10°	1372026	1362350	1371700
15°	895183	890373	885895
20°	445131	461830	444537
25°	224223	252854	219629
30°	89772	97815	78220
35°	41638	39881	33434
40°	17976	19964	16936
45°	12687	15739	12795
50°	4358	11456	4608
55°	2509	4751	2656
60°	1760	2082	1760
65°	1141	1141	1141
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: 15739 cd/sqm



TEST NUMBER: P769493

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1873.6	28.3
10°-20°	3017.4	45.5
20°-30°	1303.9	19.7
30°-40°	297.2	4.5
40°-50°	102.0	1.5
50°-60°	24.9	0.4
60°-70°	6.5	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°	6194.9	93.5
0°-40°	6492.1	98.0
0°-60°	6619.1	99.9
0°-90°	6626.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6626.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21306	21306	21306	21306	21306	
5°	20616	20596	20592	20635	20617	1875
15°	11297	11161	11236	11199	11179	3025
25°	2655	2755	2994	2685	2600	1271
35°	446	455	427	424	358	302
45°	117	145	145	145	118	83
55°	19	20	36	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: P769493

CATALOG NUMBER: LD6D65D010-EU6DR3055659024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21306.5	21306.5	21306.5	21306.5	21306.5
2.5°	21165.2	21150.6	21159.0	21169.4	21173.6
5°	20616.1	20596.2	20592.0	20634.9	20617.1
7.5°	19508.3	19480.0	19437.1	19534.4	19625.4
10°	17652.5	17621.1	17528.0	17574.1	17648.3
12.5°	14912.8	14811.4	14809.3	14955.7	14935.9
15°	11296.6	11160.6	11235.9	11199.3	11179.4
17.5°	7596.6	7544.3	7644.7	7614.4	7483.6
20°	5464.7	5478.3	5669.7	5573.5	5457.4
22.5°	3987.6	4036.8	4263.8	4015.9	3924.9
25°	2654.9	2755.4	2993.9	2685.3	2600.5
27.5°	1632.9	1679.0	1920.6	1612.0	1566.0
30°	1015.7	992.7	1106.7	949.8	885.0
32.5°	666.3	637.1	673.7	604.6	552.3
35°	445.6	455.0	426.8	423.7	357.8
37.5°	278.3	320.1	282.4	301.3	230.1
40°	179.9	232.2	199.8	220.7	169.5
42.5°	147.5	178.9	164.2	174.7	150.6
45°	117.2	145.4	145.4	145.4	118.2
47.5°	64.9	97.3	124.5	99.4	69.0
50°	36.6	49.2	96.2	51.3	38.7
52.5°	25.1	28.2	65.9	29.3	26.2
55°	18.8	19.9	35.6	20.9	19.9
57.5°	14.6	15.7	18.8	15.7	14.6
60°	11.5	11.5	13.6	12.6	11.5
62.5°	8.4	8.4	9.4	8.4	8.4
65°	6.3	6.3	6.3	6.3	6.3
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)