

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: P761228

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761228
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: LD6D15D010-EU6DR300215IC9040-6LBSQW1B
Description: 6 INCH SQAURE 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: 1123.5 lumens
Efficiency: N/A
Efficacy: 71.1 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): 15.8
Input Voltage (V): NR
Input Current (Ain): 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



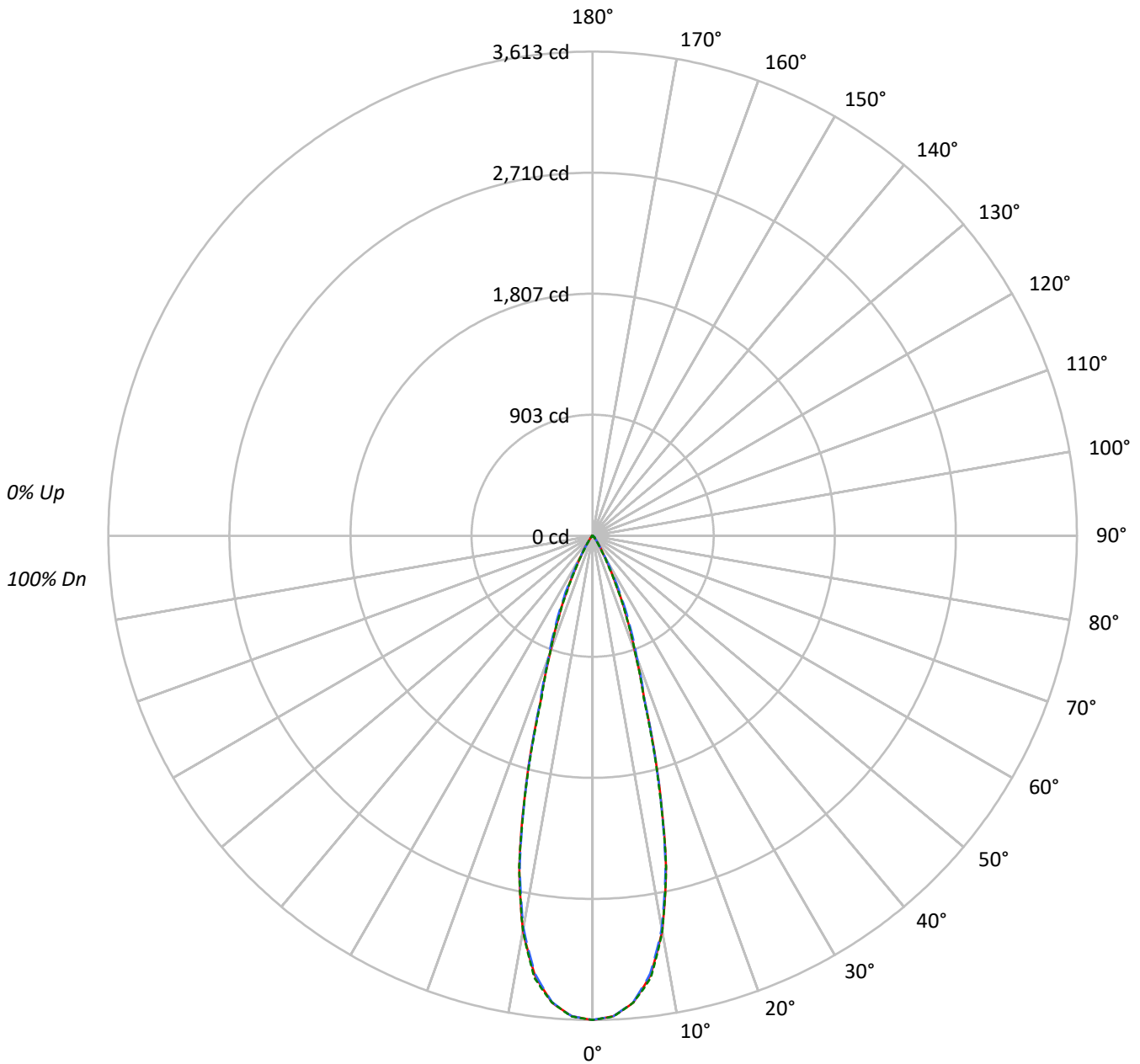
Downlight



TEST NUMBER: P761228

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P761228

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBSQW1B

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°	276528	276528	276528
5°	268587	268280	268610
10°	232644	231004	232590
15°	151783	150975	150214
20°	75477	78312	75379
25°	38022	42870	37237
30°	15220	16581	13267
35°	7064	6765	5672
40°	3048	3387	2878
45°	2154	2663	2176
50°	738	1941	786
55°	427	801	454
60°	291	352	291
65°	199	199	199
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2663 cd/sqm



TEST NUMBER: P761228

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.7	28.3
10°-20°	511.6	45.5
20°-30°	221.1	19.7
30°-40°	50.4	4.5
40°-50°	17.3	1.5
50°-60°	4.2	0.4
60°-70°	1.1	0.1
70°-80°	0.1	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°	1050.4	93.5
0°-40°	1100.8	98.0
0°-60°	1122.3	99.9
0°-90°	1123.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3613	3613	3613	3613	3613	
5°	3496	3492	3492	3499	3496	318
15°	1915	1892	1905	1899	1896	513
25°	450	467	508	455	441	215
35°	76	77	72	72	61	51
45°	20	25	25	25	20	14
55°	3	3	6	4	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P761228

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3612.7	3612.7	3612.7	3612.7	3612.7
2.5°	3588.8	3586.3	3587.7	3589.5	3590.2
5°	3495.6	3492.3	3491.6	3498.8	3495.9
7.5°	3307.8	3303.0	3295.7	3312.2	3327.7
10°	2993.2	2987.8	2972.1	2979.9	2992.5
12.5°	2528.6	2511.4	2511.1	2535.9	2532.5
15°	1915.4	1892.4	1905.2	1898.9	1895.6
17.5°	1288.1	1279.2	1296.2	1291.1	1268.9
20°	926.6	928.9	961.4	945.0	925.4
22.5°	676.1	684.5	722.9	681.0	665.5
25°	450.2	467.2	507.6	455.3	440.9
27.5°	276.8	284.7	325.7	273.4	265.5
30°	172.2	168.3	187.6	161.1	150.1
32.5°	113.0	108.0	114.2	102.5	93.7
35°	75.6	77.2	72.4	71.8	60.7
37.5°	47.2	54.3	47.9	51.1	39.0
40°	30.5	39.4	33.9	37.4	28.8
42.5°	25.0	30.3	27.8	29.6	25.6
45°	19.9	24.6	24.6	24.6	20.1
47.5°	11.0	16.5	21.1	16.8	11.7
50°	6.2	8.4	16.3	8.7	6.6
52.5°	4.2	4.8	11.2	5.0	4.4
55°	3.2	3.4	6.0	3.6	3.4
57.5°	2.5	2.6	3.2	2.6	2.5
60°	1.9	1.9	2.3	2.1	1.9
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)