

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: P763832

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D30D010-EU6DR1515309030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2782.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 29
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



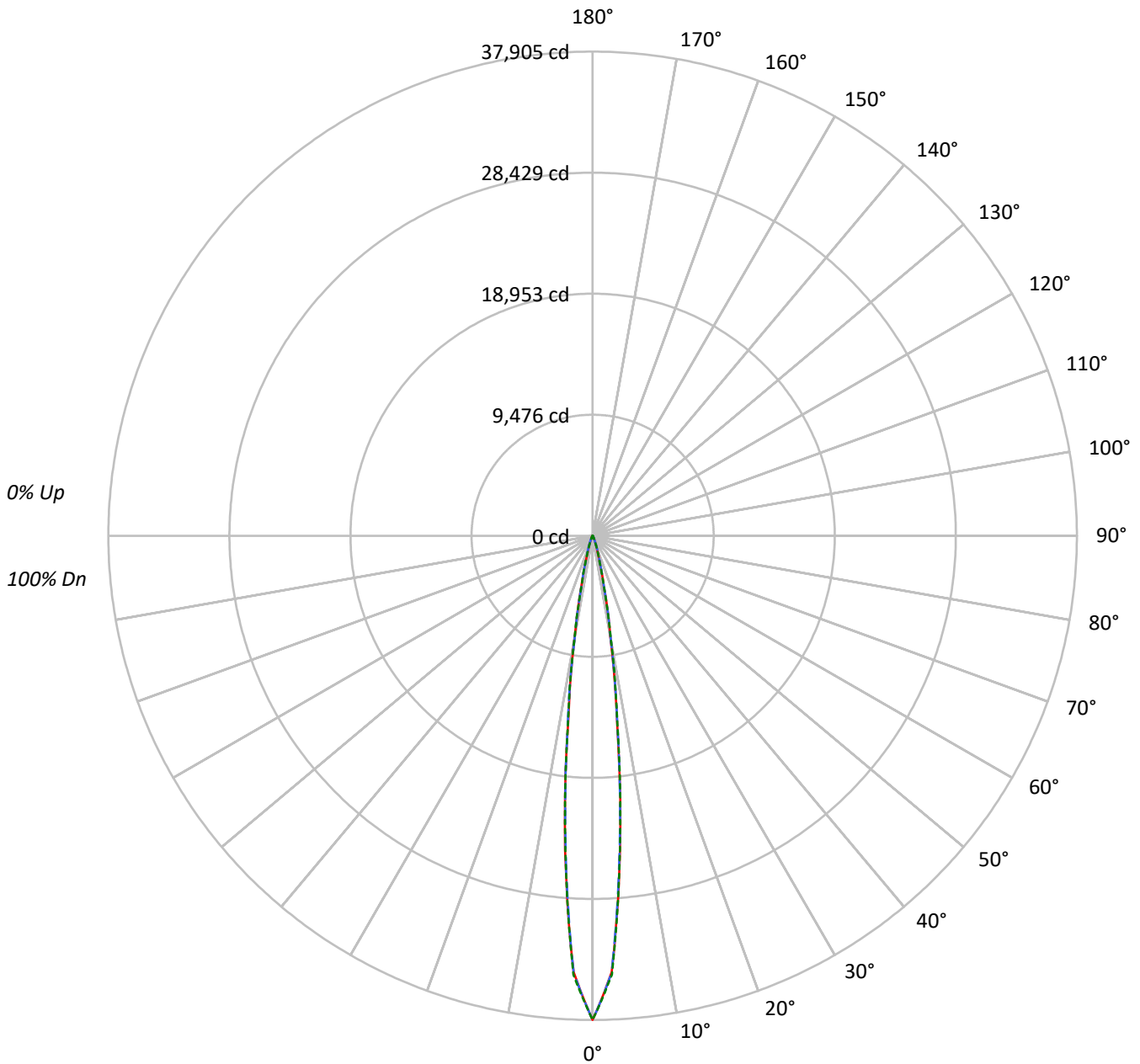
Downlight



TEST NUMBER: P763832

CATALOG NUMBER: LD6D30D010-EU6DR1515309030-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P763832

CATALOG NUMBER: LD6D30D010-EU6DR1515309030-6LBSQW1B

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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4265024	4265024	4265024
5°	2506331	2473881	2493445
10°	748019	753263	764796
15°	186065	189687	183832
20°	55672	64468	56850
25°	19623	24998	19872
30°	7211	9495	7331
35°	3609	4081	3493
40°	2280	2507	2280
45°	1687	1799	1687
50°	1342	1342	1342
55°	1114	1114	1114
60°	899	899	899
65°	685	685	685
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1799 cd/sqm



TEST NUMBER: P763832

CATALOG NUMBER: LD6D30D010-EU6DR1515309030-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1804.3	64.9
10°-20°	742.2	26.7
20°-30°	147.4	5.3
30°-40°	36.8	1.3
40°-50°	19.4	0.7
50°-60°	14.3	0.5
60°-70°	10.1	0.4
70°-80°	5.7	0.2
80°-90°	1.7	0.1
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°	2693.9	96.8
0°-40°	2730.7	98.2
0°-60°	2764.4	99.4
0°-90°	2782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37905	37905	37905	37905	37905	
5°	24662	24408	24342	24511	24535	1801
15°	2142	2182	2184	2145	2116	734
25°	252	286	321	284	255	132
35°	50	53	56	53	48	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P763832

CATALOG NUMBER: LD6D30D010-EU6DR1515309030-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	37904.6	37904.6	37904.6	37904.6	37904.6
2.5°	34191.5	34220.4	34231.6	34265.3	34390.5
5°	24661.6	24408.0	24342.3	24510.7	24534.8
7.5°	14608.6	14659.9	14847.7	14889.4	14738.5
10°	8016.7	8082.5	8072.9	8130.7	8196.5
12.5°	4099.8	4048.5	4032.4	4098.2	4006.8
15°	2142.2	2182.3	2183.9	2145.4	2116.5
17.5°	1152.1	1198.7	1275.7	1213.1	1116.8
20°	680.4	722.1	787.9	736.5	694.8
22.5°	420.4	454.1	500.6	460.5	426.8
25°	251.9	285.6	320.9	284.0	255.1
27.5°	149.2	178.1	200.6	176.5	147.6
30°	96.3	112.3	126.8	110.7	97.9
32.5°	67.4	73.8	80.2	73.8	67.4
35°	49.7	53.0	56.2	53.0	48.1
37.5°	38.5	41.7	43.3	40.1	36.9
40°	32.1	33.7	35.3	33.7	32.1
42.5°	27.3	28.9	28.9	28.9	27.3
45°	24.1	24.1	25.7	24.1	24.1
47.5°	20.9	20.9	22.5	20.9	20.9
50°	19.3	19.3	19.3	19.3	19.3
52.5°	17.7	17.7	17.7	17.7	17.7
55°	16.0	16.0	16.0	16.0	16.0
57.5°	14.4	14.4	14.4	14.4	14.4
60°	12.8	12.8	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	6.4
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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)