

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: P763834

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763834
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-EU6DR1515309035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3111.4 lumens
Efficiency: N/A
Efficacy: 107.3 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 (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

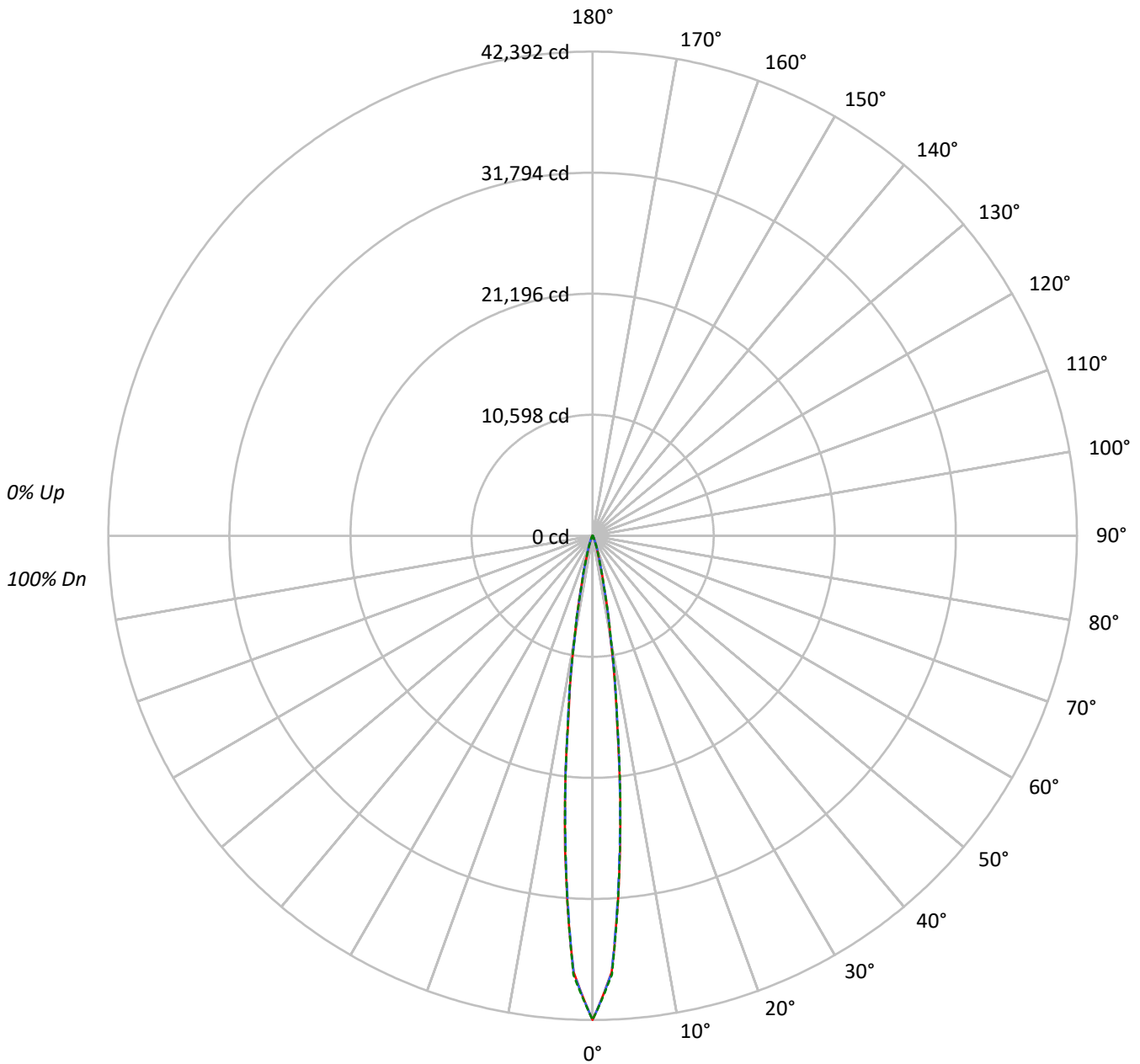


Downlight



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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4769901	4769901	4769901
5°	2803017	2766725	2788616
10°	836568	842428	855323
15°	208092	212139	205599
20°	62259	72094	63584
25°	21945	27959	22225
30°	8065	10618	8199
35°	4038	4560	3907
40°	2549	2805	2549
45°	1883	2009	1883
50°	1495	1495	1495
55°	1246	1246	1246
60°	1011	1011	1011
65°	771	771	771
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2009 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2017.9	64.9
10°-20°	830.0	26.7
20°-30°	164.9	5.3
30°-40°	41.2	1.3
40°-50°	21.6	0.7
50°-60°	16.0	0.5
60°-70°	11.4	0.4
70°-80°	6.5	0.2
80°-90°	2.0	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°	3012.8	96.8
0°-40°	3054.0	98.2
0°-60°	3091.6	99.4
0°-90°	3111.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3111.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42392	42392	42392	42392	42392	
5°	27581	27297	27224	27412	27439	2014
15°	2396	2441	2442	2399	2367	821
25°	282	319	359	318	285	148
35°	56	59	63	59	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	42391.6	42391.6	42391.6	42391.6	42391.6
2.5°	38238.9	38271.2	38283.8	38321.5	38461.5
5°	27580.9	27297.4	27223.8	27412.2	27439.2
7.5°	16337.9	16395.3	16605.3	16651.9	16483.2
10°	8965.7	9039.3	9028.5	9093.1	9166.7
12.5°	4585.2	4527.7	4509.8	4583.4	4481.1
15°	2395.8	2440.6	2442.4	2399.4	2367.1
17.5°	1288.5	1340.6	1426.7	1356.7	1249.0
20°	760.9	807.6	881.1	823.7	777.1
22.5°	470.2	507.9	559.9	515.0	477.4
25°	281.7	319.4	358.9	317.6	285.3
27.5°	166.9	199.2	224.3	197.4	165.1
30°	107.7	125.6	141.8	123.8	109.5
32.5°	75.4	82.6	89.7	82.6	75.4
35°	55.6	59.2	62.8	59.2	53.8
37.5°	43.1	46.7	48.5	44.9	41.3
40°	35.9	37.7	39.5	37.7	35.9
42.5°	30.5	32.3	32.3	32.3	30.5
45°	26.9	26.9	28.7	26.9	26.9
47.5°	23.3	23.3	25.1	23.3	23.3
50°	21.5	21.5	21.5	21.5	21.5
52.5°	19.7	19.7	19.7	19.7	19.7
55°	17.9	17.9	17.9	17.9	17.9
57.5°	16.2	16.2	16.2	16.2	16.2
60°	14.4	14.4	14.4	14.4	14.4
62.5°	12.6	12.6	12.6	12.6	12.6
65°	10.8	10.8	10.8	10.8	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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



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Scaled Data Report





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

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