

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: P763846

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763846
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-EU6DR1515309035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3086.4 lumens
Efficiency: N/A
Efficacy: 106.4 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



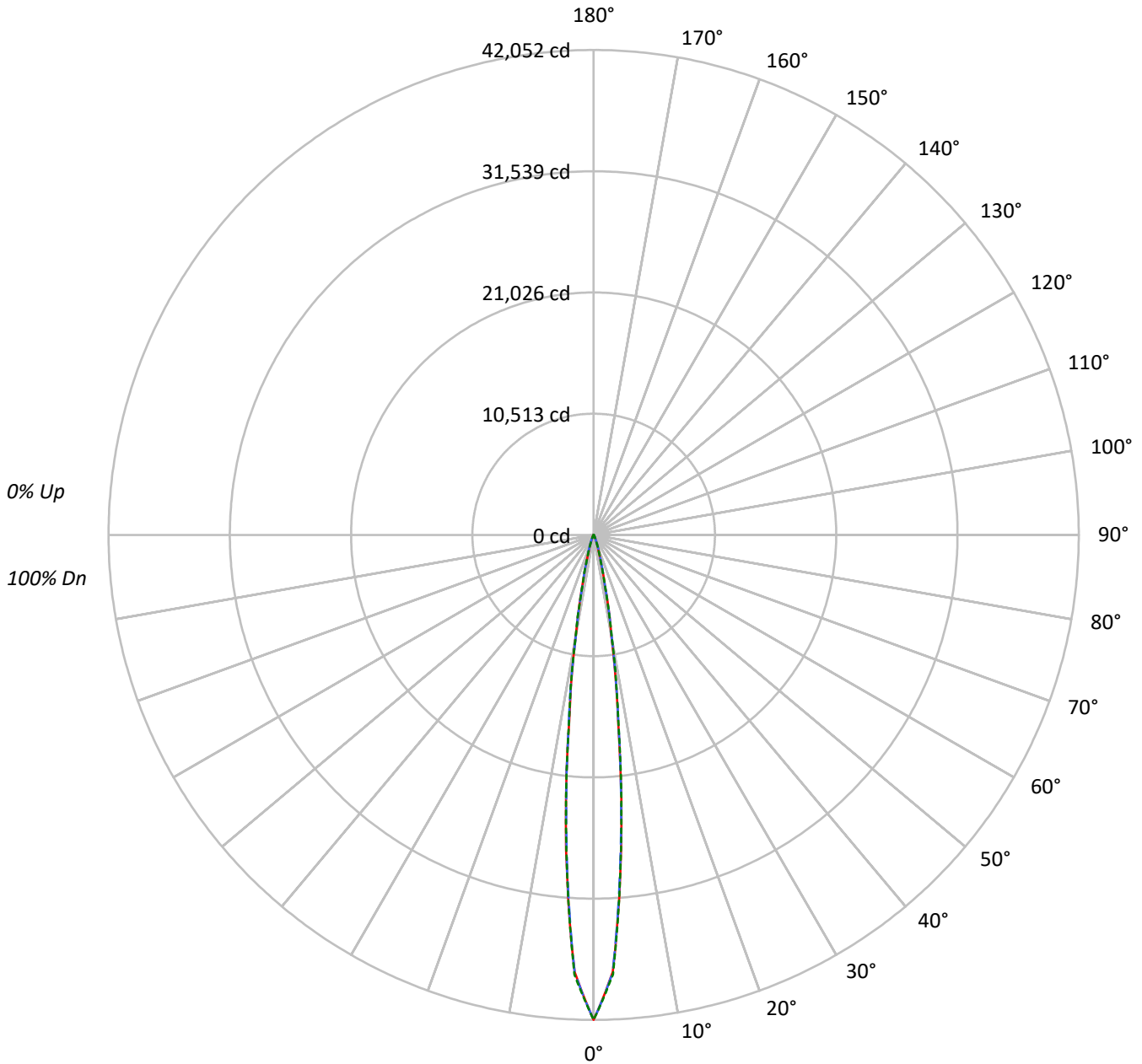
Downlight



TEST NUMBER: P763846

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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			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°	4731700	4731700	4731700
5°	2780567	2744570	2766278
10°	829868	835681	848474
15°	206424	210445	203949
20°	61760	71521	63069
25°	21773	27733	22054
30°	7997	10528	8132
35°	4009	4524	3878
40°	2528	2784	2528
45°	1869	1995	1869
50°	1488	1488	1488
55°	1239	1239	1239
60°	997	997	997
65°	764	764	764
70°	651	651	651
75°	401	401	537
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2001.8	64.9
10°-20°	823.4	26.7
20°-30°	163.5	5.3
30°-40°	40.8	1.3
40°-50°	21.5	0.7
50°-60°	15.9	0.5
60°-70°	11.2	0.4
70°-80°	6.4	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°	2988.7	96.8
0°-40°	3029.5	98.2
0°-60°	3066.9	99.4
0°-90°	3086.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42052	42052	42052	42052	42052	
5°	27360	27079	27006	27193	27219	1998
15°	2377	2421	2423	2380	2348	815
25°	280	317	356	315	283	147
35°	55	59	62	59	53	37
45°	27	27	28	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°	42052.1	42052.1	42052.1	42052.1	42052.1
2.5°	37932.7	37964.7	37977.2	38014.6	38153.4
5°	27360.0	27078.8	27005.8	27192.7	27219.4
7.5°	16207.0	16264.0	16472.3	16518.6	16351.2
10°	8893.9	8966.9	8956.2	9020.3	9093.3
12.5°	4548.4	4491.5	4473.7	4546.7	4445.2
15°	2376.6	2421.1	2422.9	2380.1	2348.1
17.5°	1278.2	1329.8	1415.3	1345.8	1239.0
20°	754.8	801.1	874.1	817.1	770.8
22.5°	466.4	503.8	555.4	510.9	473.5
25°	279.5	316.9	356.0	315.1	283.1
27.5°	165.6	197.6	222.5	195.8	163.8
30°	106.8	124.6	140.6	122.8	108.6
32.5°	74.8	81.9	89.0	81.9	74.8
35°	55.2	58.7	62.3	58.7	53.4
37.5°	42.7	46.3	48.1	44.5	40.9
40°	35.6	37.4	39.2	37.4	35.6
42.5°	30.3	32.0	32.0	32.0	30.3
45°	26.7	26.7	28.5	26.7	26.7
47.5°	23.1	23.1	24.9	23.1	23.1
50°	21.4	21.4	21.4	21.4	21.4
52.5°	19.6	19.6	19.6	19.6	19.6
55°	17.8	17.8	17.8	17.8	17.8
57.5°	16.0	16.0	16.0	16.0	16.0
60°	14.2	14.2	14.2	14.2	14.2
62.5°	12.5	12.5	12.5	12.5	12.5
65°	10.7	10.7	10.7	10.7	10.7
67.5°	10.7	10.7	10.7	10.7	10.7
70°	8.9	8.9	8.9	8.9	8.9
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.3	5.3	5.3	5.3	5.3
77.5°	5.3	5.3	5.3	5.3	5.3
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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