

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: P763829

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763829
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-EU6DR1515309030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3388.2 lumens
Efficiency: N/A
Efficacy: 116.8 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



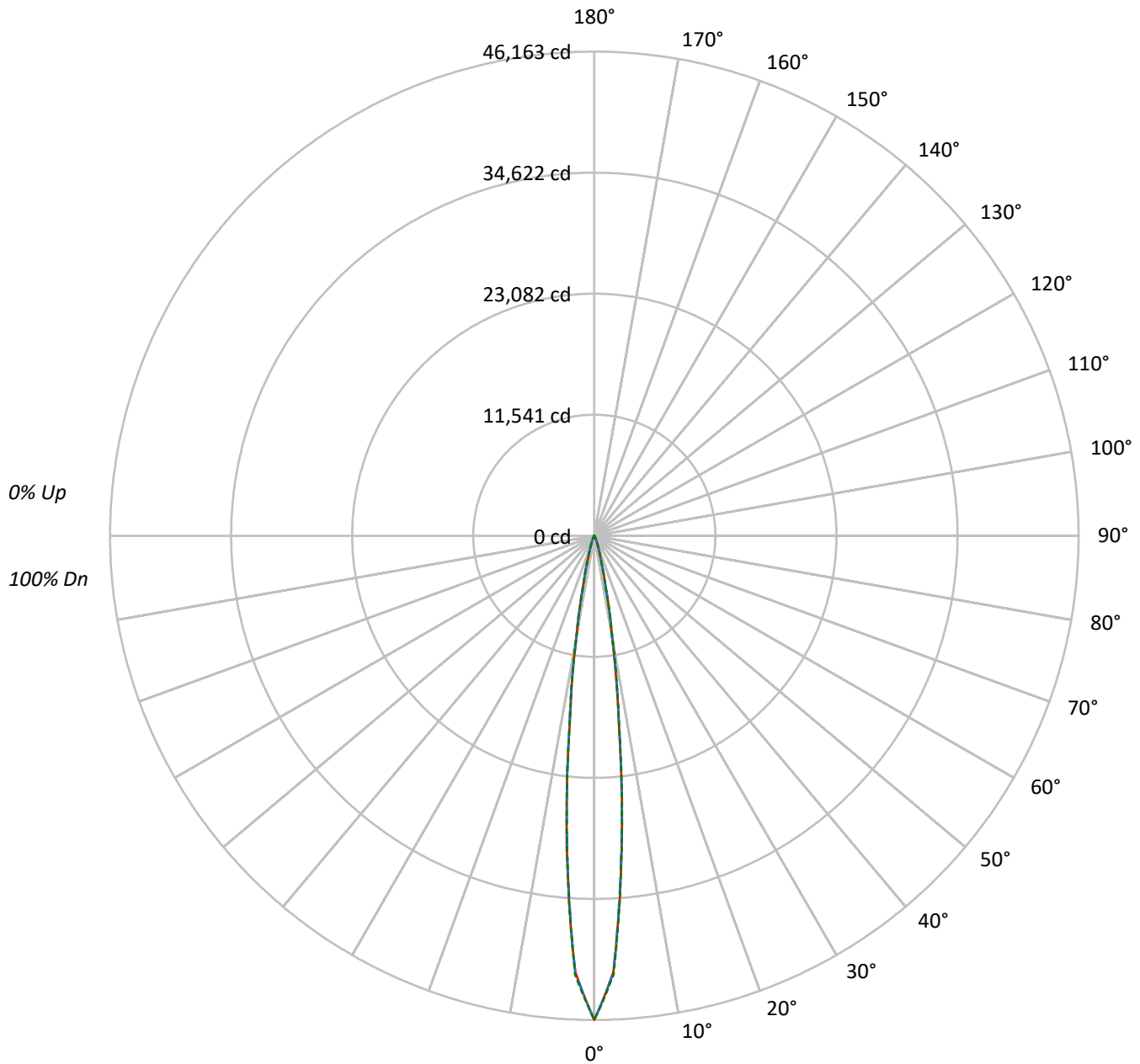
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5194236	5194236	5194236
5°	3052383	3012860	3036692
10°	910990	917372	931415
15°	226601	231013	223882
20°	67798	78509	69238
25°	23900	30444	24204
30°	8784	11562	8926
35°	4401	4967	4255
40°	2777	3054	2777
45°	2051	2191	2051
50°	1634	1634	1634
55°	1357	1357	1357
60°	1095	1095	1095
65°	835	835	835
70°	717	717	717
75°	446	446	590
80°	307	307	307
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2197.4	64.9
10°-20°	903.9	26.7
20°-30°	179.5	5.3
30°-40°	44.8	1.3
40°-50°	23.6	0.7
50°-60°	17.5	0.5
60°-70°	12.3	0.4
70°-80°	7.0	0.2
80°-90°	2.1	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°	3280.8	96.8
0°-40°	3325.6	98.2
0°-60°	3366.7	99.4
0°-90°	3388.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3388.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46163	46163	46163	46163	46163	
5°	30035	29726	29646	29851	29880	2193
15°	2609	2658	2660	2613	2578	894
25°	307	348	391	346	311	161
35°	61	64	68	64	59	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
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°	46162.8	46162.8	46162.8	46162.8	46162.8
2.5°	41640.7	41675.9	41689.6	41730.6	41883.1
5°	30034.6	29725.8	29645.7	29850.9	29880.2
7.5°	17791.3	17853.8	18082.5	18133.3	17949.6
10°	9763.3	9843.5	9831.7	9902.1	9982.2
12.5°	4993.1	4930.5	4911.0	4991.1	4879.7
15°	2608.9	2657.8	2659.7	2612.8	2577.6
17.5°	1403.1	1459.8	1553.6	1477.4	1360.1
20°	828.6	879.4	959.5	897.0	846.2
22.5°	512.0	553.0	609.7	560.9	519.8
25°	306.8	347.9	390.8	345.9	310.7
27.5°	181.7	216.9	244.3	215.0	179.8
30°	117.3	136.8	154.4	134.8	119.2
32.5°	82.1	89.9	97.7	89.9	82.1
35°	60.6	64.5	68.4	64.5	58.6
37.5°	46.9	50.8	52.8	48.9	44.9
40°	39.1	41.0	43.0	41.0	39.1
42.5°	33.2	35.2	35.2	35.2	33.2
45°	29.3	29.3	31.3	29.3	29.3
47.5°	25.4	25.4	27.4	25.4	25.4
50°	23.5	23.5	23.5	23.5	23.5
52.5°	21.5	21.5	21.5	21.5	21.5
55°	19.5	19.5	19.5	19.5	19.5
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	11.7	11.7	11.7	11.7
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.9	5.9	5.9	5.9	7.8
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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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°







(END OF REPORT)