

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: P761970

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761970
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: LD6D20D010-EU6DR1515309035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2152.2 lumens
Efficiency: N/A
Efficacy: 93.2 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): 23.1
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



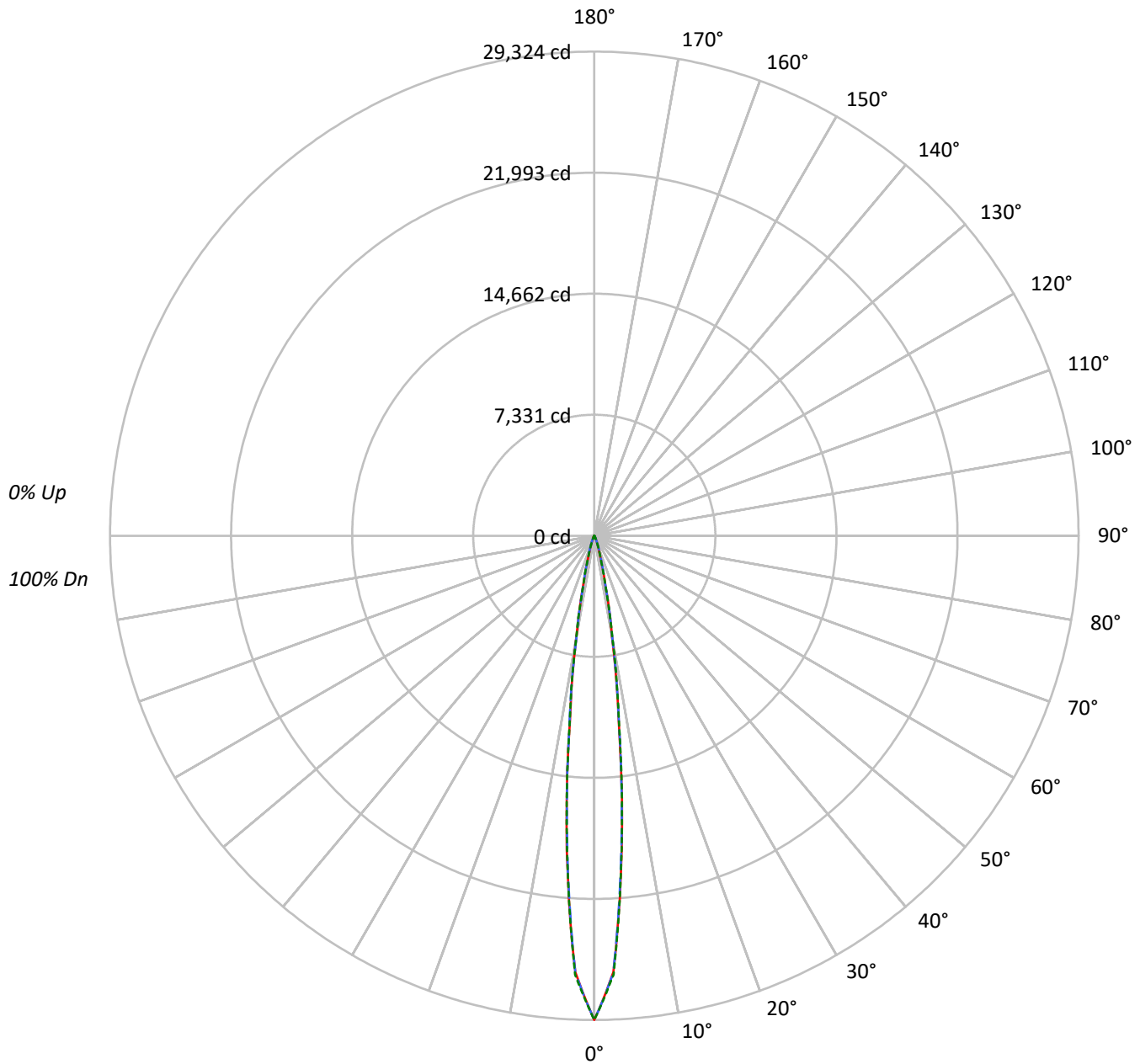
Downlight



TEST NUMBER: P761970

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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°	3299524	3299524	3299524
5°	1938958	1913845	1928988
10°	578684	582743	591663
15°	143939	146745	142219
20°	43063	49871	43980
25°	15183	19343	15378
30°	5579	7346	5669
35°	2796	3152	2701
40°	1761	1939	1761
45°	1302	1393	1302
50°	1036	1036	1036
55°	863	863	863
60°	695	695	695
65°	528	528	528
70°	453	453	453
75°	280	280	378
80°	197	197	197
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1393 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1395.9	64.9
10°-20°	574.2	26.7
20°-30°	114.0	5.3
30°-40°	28.5	1.3
40°-50°	15.0	0.7
50°-60°	11.1	0.5
60°-70°	7.8	0.4
70°-80°	4.5	0.2
80°-90°	1.3	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°	2084.1	96.8
0°-40°	2112.5	98.2
0°-60°	2138.6	99.4
0°-90°	2152.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2152.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29324	29324	29324	29324	29324	
5°	19079	18883	18832	18962	18981	1393
15°	1657	1688	1690	1660	1637	568
25°	195	221	248	220	197	102
35°	38	41	43	41	37	26
45°	19	19	20	19	19	15
55°	12	12	12	12	12	11
65°	7	7	7	7	7	8
75°	4	4	4	4	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29323.9	29323.9	29323.9	29323.9	29323.9
2.5°	26451.3	26473.7	26482.4	26508.4	26605.3
5°	19078.8	18882.6	18831.7	18962.1	18980.7
7.5°	11301.5	11341.2	11486.5	11518.8	11402.1
10°	6201.9	6252.8	6245.4	6290.1	6341.0
12.5°	3171.7	3132.0	3119.6	3170.5	3099.7
15°	1657.2	1688.3	1689.5	1659.7	1637.4
17.5°	891.3	927.3	986.9	938.5	864.0
20°	526.3	558.6	609.5	569.8	537.5
22.5°	325.2	351.3	387.3	356.3	330.2
25°	194.9	221.0	248.3	219.7	197.4
27.5°	115.4	137.8	155.2	136.6	114.2
30°	74.5	86.9	98.1	85.7	75.7
32.5°	52.1	57.1	62.1	57.1	52.1
35°	38.5	41.0	43.4	41.0	37.2
37.5°	29.8	32.3	33.5	31.0	28.6
40°	24.8	26.1	27.3	26.1	24.8
42.5°	21.1	22.3	22.3	22.3	21.1
45°	18.6	18.6	19.9	18.6	18.6
47.5°	16.1	16.1	17.4	16.1	16.1
50°	14.9	14.9	14.9	14.9	14.9
52.5°	13.7	13.7	13.7	13.7	13.7
55°	12.4	12.4	12.4	12.4	12.4
57.5°	11.2	11.2	11.2	11.2	11.2
60°	9.9	9.9	9.9	9.9	9.9
62.5°	8.7	8.7	8.7	8.7	8.7
65°	7.4	7.4	7.4	7.4	7.4
67.5°	7.4	7.4	7.4	7.4	7.4
70°	6.2	6.2	6.2	6.2	6.2
72.5°	5.0	5.0	5.0	5.0	5.0
75°	3.7	3.7	3.7	3.7	5.0
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
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)