

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: P757899

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757899
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: LD6D05D010-EU6DR150210IC9024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 533.1 lumens
Efficiency: N/A
Efficacy: 71.1 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): 7.5
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



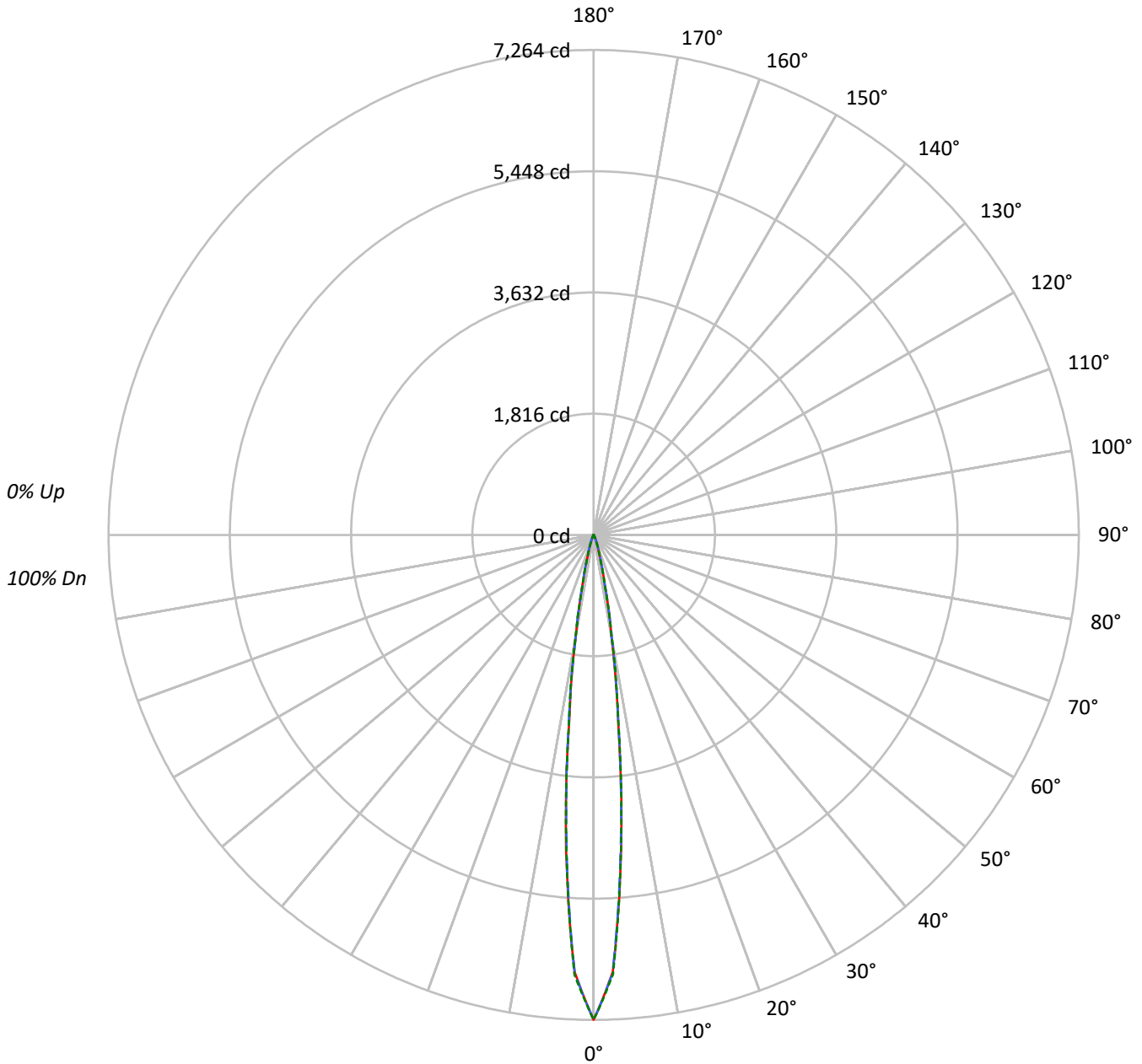
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	99	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	99	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°	817345	817345	817345
5°	480308	474089	477839
10°	143348	144356	146568
15°	35655	36350	35229
20°	10670	12355	10899
25°	3763	4791	3809
30°	1385	1820	1408
35°	690	784	668
40°	440	483	440
45°	322	343	322
50°	257	257	257
55°	216	216	216
60°	176	176	176
65°	128	128	128
70°	110	110	110
75°	68	68	91
80°	47	47	47
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.8	64.9
10°-20°	142.2	26.7
20°-30°	28.2	5.3
30°-40°	7.0	1.3
40°-50°	3.7	0.7
50°-60°	2.8	0.5
60°-70°	1.9	0.4
70°-80°	1.1	0.2
80°-90°	0.3	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°	516.3	96.8
0°-40°	523.3	98.2
0°-60°	529.8	99.4
0°-90°	533.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7264	7264	7264	7264	7264	
5°	4726	4678	4665	4697	4702	345
15°	410	418	418	411	406	141
25°	48	55	62	54	49	25
35°	10	10	11	10	9	6
45°	5	5	5	5	5	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7264.0	7264.0	7264.0	7264.0	7264.0
2.5°	6552.5	6558.0	6560.1	6566.6	6590.6
5°	4726.1	4677.6	4664.9	4697.2	4701.8
7.5°	2799.6	2809.4	2845.4	2853.4	2824.5
10°	1536.3	1548.9	1547.1	1558.2	1570.8
12.5°	785.7	775.9	772.8	785.4	767.9
15°	410.5	418.2	418.5	411.1	405.6
17.5°	220.8	229.7	244.5	232.5	214.0
20°	130.4	138.4	151.0	141.1	133.2
22.5°	80.6	87.0	95.9	88.3	81.8
25°	48.3	54.7	61.5	54.4	48.9
27.5°	28.6	34.1	38.4	33.8	28.3
30°	18.5	21.5	24.3	21.2	18.8
32.5°	12.9	14.1	15.4	14.1	12.9
35°	9.5	10.1	10.8	10.1	9.2
37.5°	7.4	8.0	8.3	7.7	7.1
40°	6.2	6.5	6.8	6.5	6.2
42.5°	5.2	5.5	5.5	5.5	5.2
45°	4.6	4.6	4.9	4.6	4.6
47.5°	4.0	4.0	4.3	4.0	4.0
50°	3.7	3.7	3.7	3.7	3.7
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.1	3.1	3.1	3.1	3.1
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.9	0.9	0.9	0.9	1.2
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.3	0.3	0.3	0.3
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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