

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: P757914

Luminaire Tested: LD6D05D010-EU6DR150210IC9027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757914
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-EU6DR150210IC9027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 608.8 lumens
Efficiency: N/A
Efficacy: 81.2 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): 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

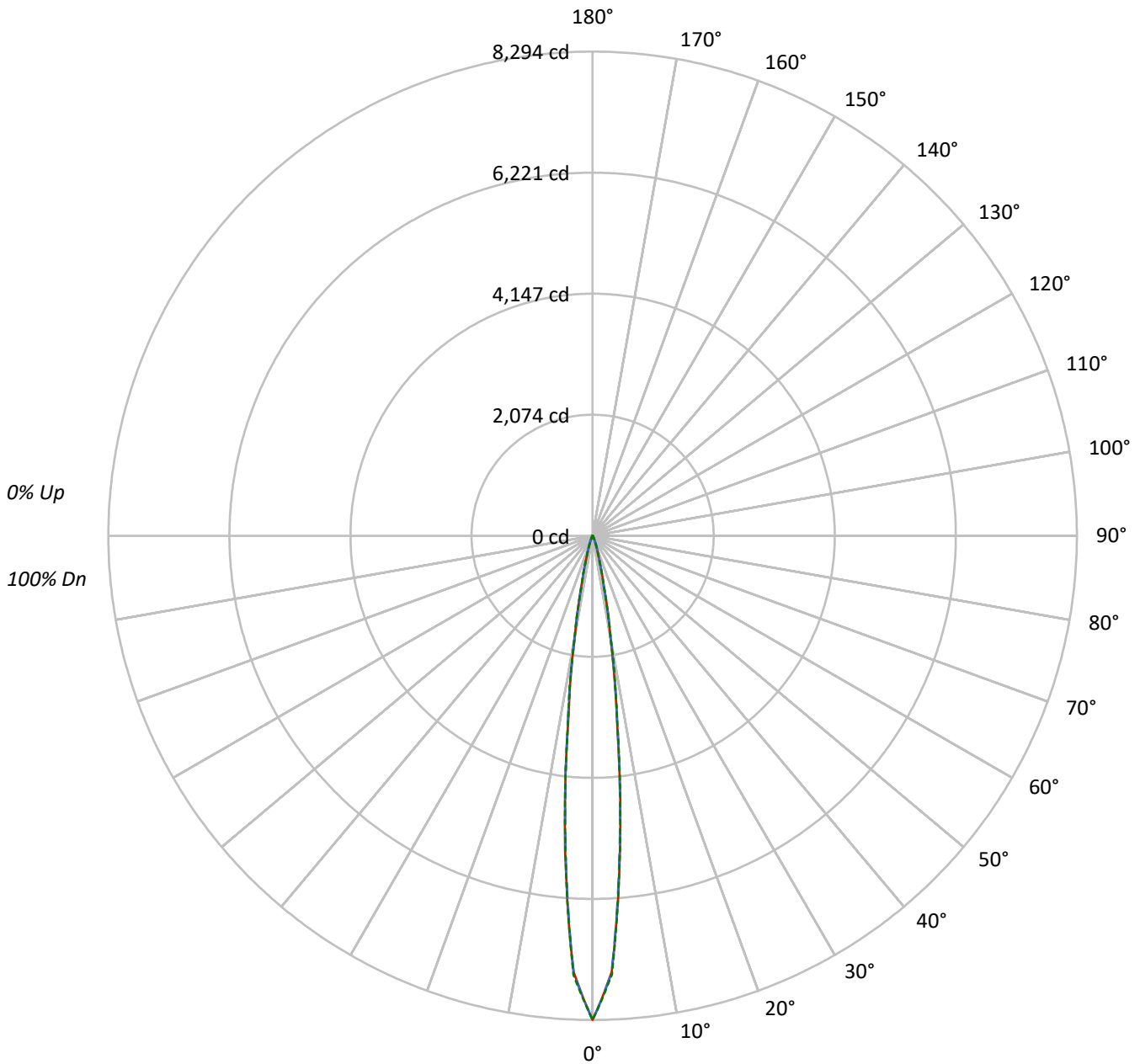


Downlight



TEST NUMBER: P757914
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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	93	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	87	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°	933274	933274	933274
5°	548440	541337	545615
10°	163680	164828	167356
15°	40718	41509	40223
20°	12183	14106	12437
25°	4292	5469	4347
30°	1580	2074	1602
35°	792	893	763
40°	497	547	497
45°	371	392	371
50°	292	292	292
55°	244	244	244
60°	197	197	197
65°	150	150	150
70°	132	132	132
75°	83	83	106
80°	55	55	55
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.8	64.8
10°-20°	162.4	26.7
20°-30°	32.3	5.3
30°-40°	8.1	1.3
40°-50°	4.2	0.7
50°-60°	3.2	0.5
60°-70°	2.2	0.4
70°-80°	1.3	0.2
80°-90°	0.4	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°	589.5	96.8
0°-40°	597.5	98.1
0°-60°	604.9	99.4
0°-90°	608.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8294	8294	8294	8294	8294	
5°	5396	5341	5327	5363	5369	394
15°	469	478	478	470	463	161
25°	55	62	70	62	56	29
35°	11	12	12	12	10	7
45°	5	5	6	5	5	4
55°	4	4	4	4	4	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°	8294.3	8294.3	8294.3	8294.3	8294.3
2.5°	7481.8	7488.1	7490.6	7497.9	7525.3
5°	5396.5	5341.0	5326.6	5363.4	5368.7
7.5°	3196.7	3207.9	3249.0	3258.1	3225.1
10°	1754.2	1768.6	1766.5	1779.2	1793.6
12.5°	897.1	885.9	882.4	896.8	876.8
15°	468.8	477.5	477.9	469.5	463.1
17.5°	252.1	262.3	279.1	265.5	244.4
20°	148.9	158.0	172.4	161.2	152.0
22.5°	92.0	99.4	109.6	100.8	93.4
25°	55.1	62.5	70.2	62.1	55.8
27.5°	32.7	39.0	43.9	38.6	32.3
30°	21.1	24.6	27.7	24.2	21.4
32.5°	14.7	16.2	17.6	16.2	14.7
35°	10.9	11.6	12.3	11.6	10.5
37.5°	8.4	9.1	9.5	8.8	8.1
40°	7.0	7.4	7.7	7.4	7.0
42.5°	6.0	6.3	6.3	6.3	6.0
45°	5.3	5.3	5.6	5.3	5.3
47.5°	4.6	4.6	4.9	4.6	4.6
50°	4.2	4.2	4.2	4.2	4.2
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.2	3.2	3.2	3.2	3.2
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.1	1.1	1.1	1.1	1.4
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4
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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