

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: P759965

Luminaire Tested: LD6D10D010-EU6DR150210IC9030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759965
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: LD6D10D010-EU6DR150210IC9030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 953.3 lumens
Efficiency: N/A
Efficacy: 81.5 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): 11.7
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



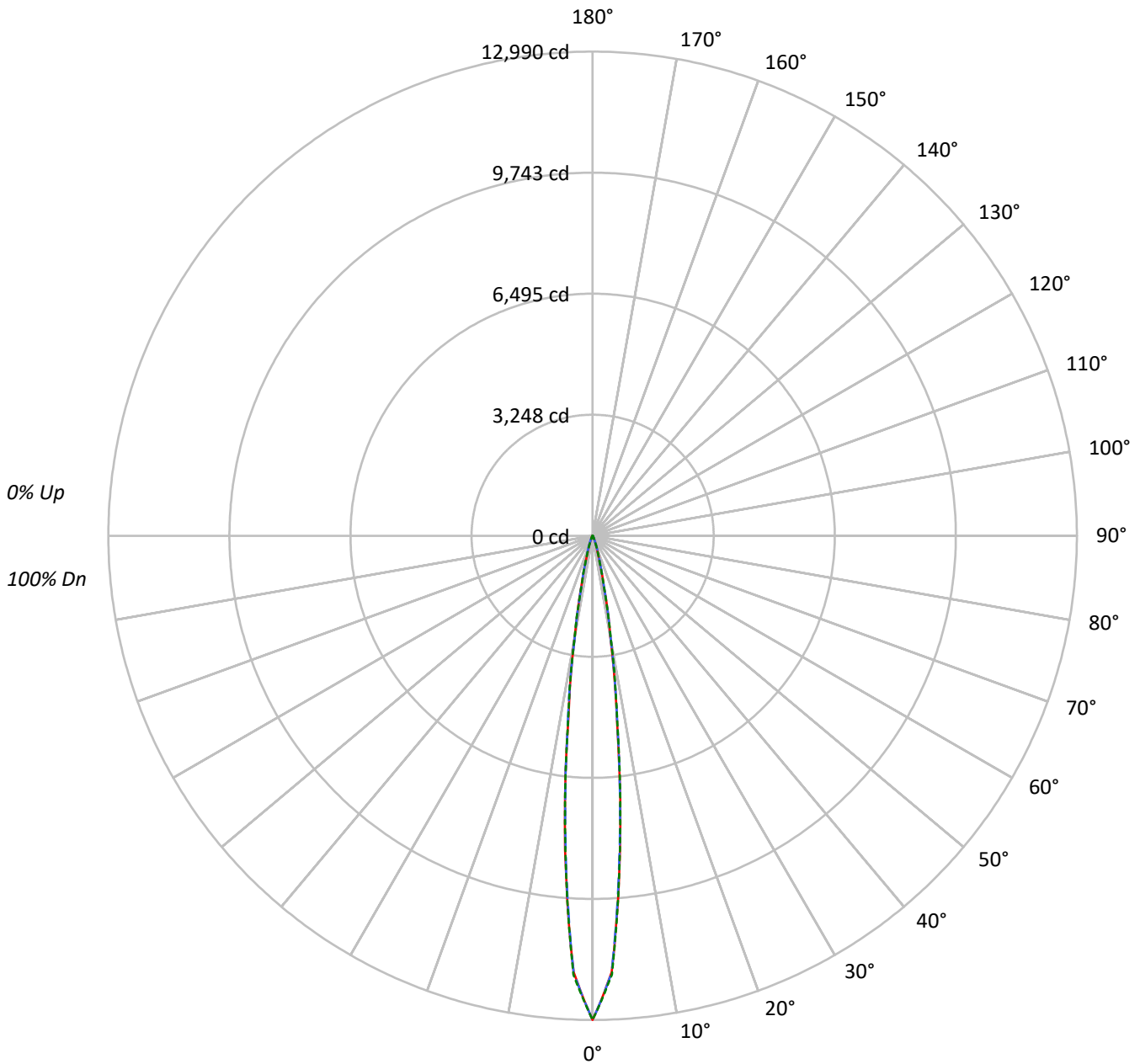
Downlight



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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																			
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	99	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	99	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	94	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	88	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°	1461690	1461690	1461690
5°	858957	847839	854547
10°	256363	258154	262110
15°	63770	65012	63006
20°	19081	22092	19482
25°	6723	8569	6809
30°	2471	3250	2509
35°	1235	1394	1198
40°	781	859	781
45°	574	616	574
50°	459	459	459
55°	383	383	383
60°	309	309	309
65°	236	236	236
70°	197	197	197
75°	121	121	166
80°	87	87	87
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.4	64.9
10°-20°	254.4	26.7
20°-30°	50.5	5.3
30°-40°	12.6	1.3
40°-50°	6.6	0.7
50°-60°	4.9	0.5
60°-70°	3.5	0.4
70°-80°	1.9	0.2
80°-90°	0.6	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°	923.2	96.8
0°-40°	935.8	98.2
0°-60°	947.3	99.4
0°-90°	953.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	953.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12990	12990	12990	12990	12990	
5°	8452	8365	8342	8400	8408	617
15°	734	748	748	735	725	252
25°	86	98	110	97	87	45
35°	17	18	19	18	16	12
45°	8	8	9	8	8	6
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12990.5	12990.5	12990.5	12990.5	12990.5
2.5°	11718.0	11727.9	11731.7	11743.3	11786.2
5°	8451.9	8365.0	8342.5	8400.2	8408.5
7.5°	5006.6	5024.2	5088.5	5102.8	5051.1
10°	2747.5	2770.0	2766.7	2786.5	2809.1
12.5°	1405.1	1387.5	1382.0	1404.5	1373.2
15°	734.2	747.9	748.5	735.3	725.4
17.5°	394.9	410.8	437.2	415.7	382.8
20°	233.2	247.5	270.0	252.4	238.1
22.5°	144.1	155.6	171.6	157.8	146.3
25°	86.3	97.9	110.0	97.3	87.4
27.5°	51.1	61.0	68.7	60.5	50.6
30°	33.0	38.5	43.4	37.9	33.5
32.5°	23.1	25.3	27.5	25.3	23.1
35°	17.0	18.1	19.2	18.1	16.5
37.5°	13.2	14.3	14.8	13.7	12.6
40°	11.0	11.5	12.1	11.5	11.0
42.5°	9.3	9.9	9.9	9.9	9.3
45°	8.2	8.2	8.8	8.2	8.2
47.5°	7.1	7.1	7.7	7.1	7.1
50°	6.6	6.6	6.6	6.6	6.6
52.5°	6.0	6.0	6.0	6.0	6.0
55°	5.5	5.5	5.5	5.5	5.5
57.5°	4.9	4.9	4.9	4.9	4.9
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.6	1.6	1.6	1.6	2.2
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5
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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