

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: P761961

Luminaire Tested: LD6D20D010-EU6DR1515309030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761961
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-EU6DR1515309030-6LBSQW1MW
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: 1759.2 lumens
Efficiency: N/A
Efficacy: 76.2 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

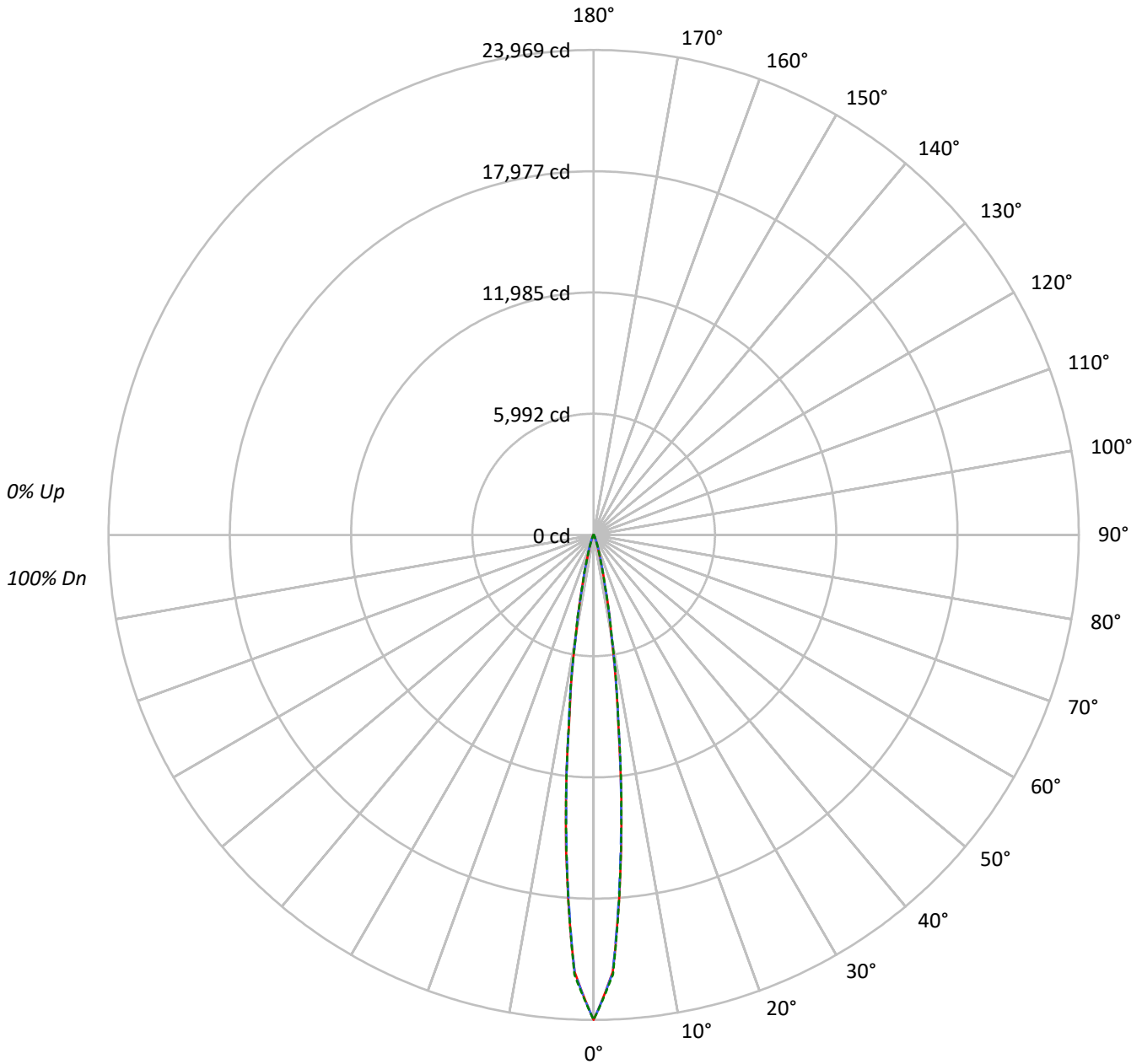


Downlight



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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	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	98	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	98	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°	2697024	2697024	2697024
5°	1584903	1564374	1576752
10°	473023	476335	483623
15°	117656	119949	116249
20°	35200	40764	35953
25°	12410	15806	12565
30°	4560	6005	4635
35°	2288	2578	2208
40°	1442	1584	1442
45°	1064	1134	1064
50°	848	848	848
55°	703	703	703
60°	569	569	569
65°	435	435	435
70°	373	373	373
75°	227	227	310
80°	158	158	158
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1134 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.0	64.9
10°-20°	469.3	26.7
20°-30°	93.2	5.3
30°-40°	23.3	1.3
40°-50°	12.2	0.7
50°-60°	9.1	0.5
60°-70°	6.4	0.4
70°-80°	3.6	0.2
80°-90°	1.1	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°	1703.5	96.8
0°-40°	1726.8	98.2
0°-60°	1748.1	99.4
0°-90°	1759.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1759.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23969	23969	23969	23969	23969	
5°	15595	15435	15393	15500	15515	1139
15°	1355	1380	1381	1357	1338	464
25°	159	181	203	180	161	84
35°	32	34	36	34	30	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	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°	23969.3	23969.3	23969.3	23969.3	23969.3
2.5°	21621.3	21639.6	21646.7	21668.0	21747.1
5°	15595.0	15434.6	15393.0	15499.6	15514.8
7.5°	9237.9	9270.3	9389.0	9415.4	9320.0
10°	5069.5	5111.1	5105.0	5141.5	5183.1
12.5°	2592.6	2560.1	2549.9	2591.6	2533.7
15°	1354.6	1380.0	1381.0	1356.7	1338.4
17.5°	728.6	758.0	806.7	767.1	706.2
20°	430.2	456.6	498.2	465.7	439.4
22.5°	265.9	287.2	316.6	291.2	269.9
25°	159.3	180.6	202.9	179.6	161.3
27.5°	94.4	112.6	126.8	111.6	93.4
30°	60.9	71.0	80.2	70.0	61.9
32.5°	42.6	46.7	50.7	46.7	42.6
35°	31.5	33.5	35.5	33.5	30.4
37.5°	24.4	26.4	27.4	25.4	23.3
40°	20.3	21.3	22.3	21.3	20.3
42.5°	17.2	18.3	18.3	18.3	17.2
45°	15.2	15.2	16.2	15.2	15.2
47.5°	13.2	13.2	14.2	13.2	13.2
50°	12.2	12.2	12.2	12.2	12.2
52.5°	11.2	11.2	11.2	11.2	11.2
55°	10.1	10.1	10.1	10.1	10.1
57.5°	9.1	9.1	9.1	9.1	9.1
60°	8.1	8.1	8.1	8.1	8.1
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.0	3.0	3.0	3.0	4.1
77.5°	3.0	3.0	3.0	3.0	3.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
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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