

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P761947

Luminaire Tested: LD6D20D010-EU6DR1515309027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761947
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-EU6DR1515309027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1621.2 lumens
Efficiency: N/A
Efficacy: 70.2 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



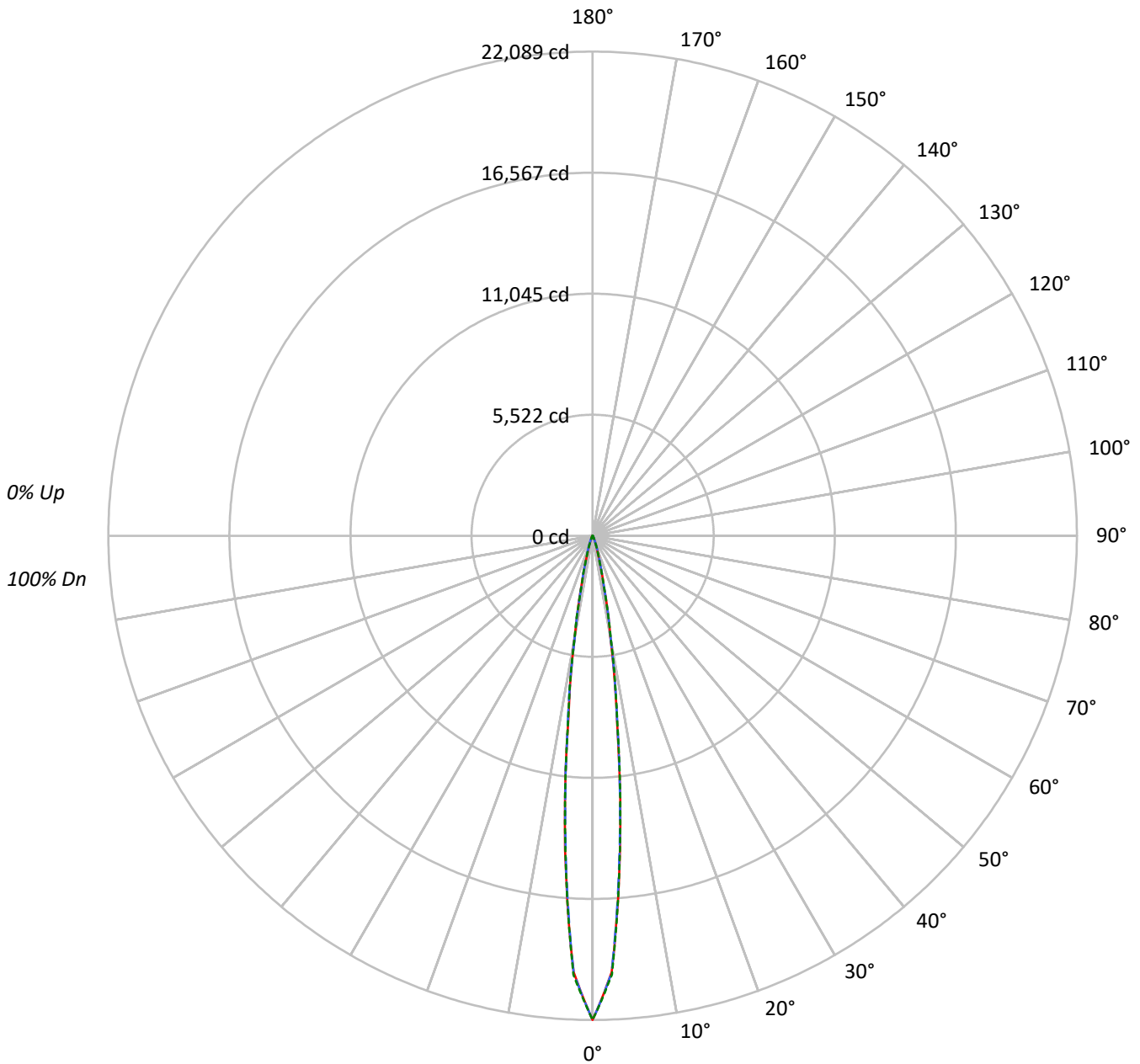
Downlight



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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	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	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°	2485453	2485453	2485453
5°	1460570	1441657	1453060
10°	435914	438966	445684
15°	108432	110543	107129
20°	32443	37565	33130
25°	11436	14567	11584
30°	4201	5534	4268
35°	2106	2375	2041
40°	1328	1463	1328
45°	980	1050	980
50°	779	779	779
55°	654	654	654
60°	527	527	527
65°	400	400	400
70°	344	344	344
75°	212	212	280
80°	150	150	150
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1051.5	64.9
10°-20°	432.5	26.7
20°-30°	85.9	5.3
30°-40°	21.4	1.3
40°-50°	11.3	0.7
50°-60°	8.4	0.5
60°-70°	5.9	0.4
70°-80°	3.4	0.2
80°-90°	1.0	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°	1569.9	96.8
0°-40°	1591.3	98.2
0°-60°	1611.0	99.4
0°-90°	1621.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1621.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22089	22089	22089	22089	22089	
5°	14372	14224	14186	14284	14298	1049
15°	1248	1272	1273	1250	1233	428
25°	147	166	187	166	149	77
35°	29	31	33	31	28	20
45°	14	14	15	14	14	11
55°	9	9	9	9	9	8
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
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°	22089.0	22089.0	22089.0	22089.0	22089.0
2.5°	19925.2	19942.0	19948.5	19968.2	20041.1
5°	14371.6	14223.8	14185.5	14283.7	14297.7
7.5°	8513.2	8543.1	8652.5	8676.8	8588.9
10°	4671.8	4710.1	4704.5	4738.2	4776.5
12.5°	2389.2	2359.3	2349.9	2388.3	2335.0
15°	1248.4	1271.7	1272.7	1250.2	1233.4
17.5°	671.4	698.5	743.4	706.9	650.8
20°	396.5	420.8	459.1	429.2	404.9
22.5°	245.0	264.6	291.8	268.4	248.7
25°	146.8	166.4	187.0	165.5	148.7
27.5°	87.0	103.8	116.9	102.9	86.0
30°	56.1	65.5	73.9	64.5	57.0
32.5°	39.3	43.0	46.8	43.0	39.3
35°	29.0	30.9	32.7	30.9	28.1
37.5°	22.4	24.3	25.2	23.4	21.5
40°	18.7	19.6	20.6	19.6	18.7
42.5°	15.9	16.8	16.8	16.8	15.9
45°	14.0	14.0	15.0	14.0	14.0
47.5°	12.2	12.2	13.1	12.2	12.2
50°	11.2	11.2	11.2	11.2	11.2
52.5°	10.3	10.3	10.3	10.3	10.3
55°	9.4	9.4	9.4	9.4	9.4
57.5°	8.4	8.4	8.4	8.4	8.4
60°	7.5	7.5	7.5	7.5	7.5
62.5°	6.5	6.5	6.5	6.5	6.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	5.6	5.6	5.6	5.6	5.6
70°	4.7	4.7	4.7	4.7	4.7
72.5°	3.7	3.7	3.7	3.7	3.7
75°	2.8	2.8	2.8	2.8	3.7
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9
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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Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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