

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: P758944

Luminaire Tested: LD6D08D010-EU6DR150210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758944
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: LD6D08D010-EU6DR150210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 824.5 lumens
Efficiency: N/A
Efficacy: 92.6 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): 8.9
Input Voltage (V): NR
Input Current (A_{in}): 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



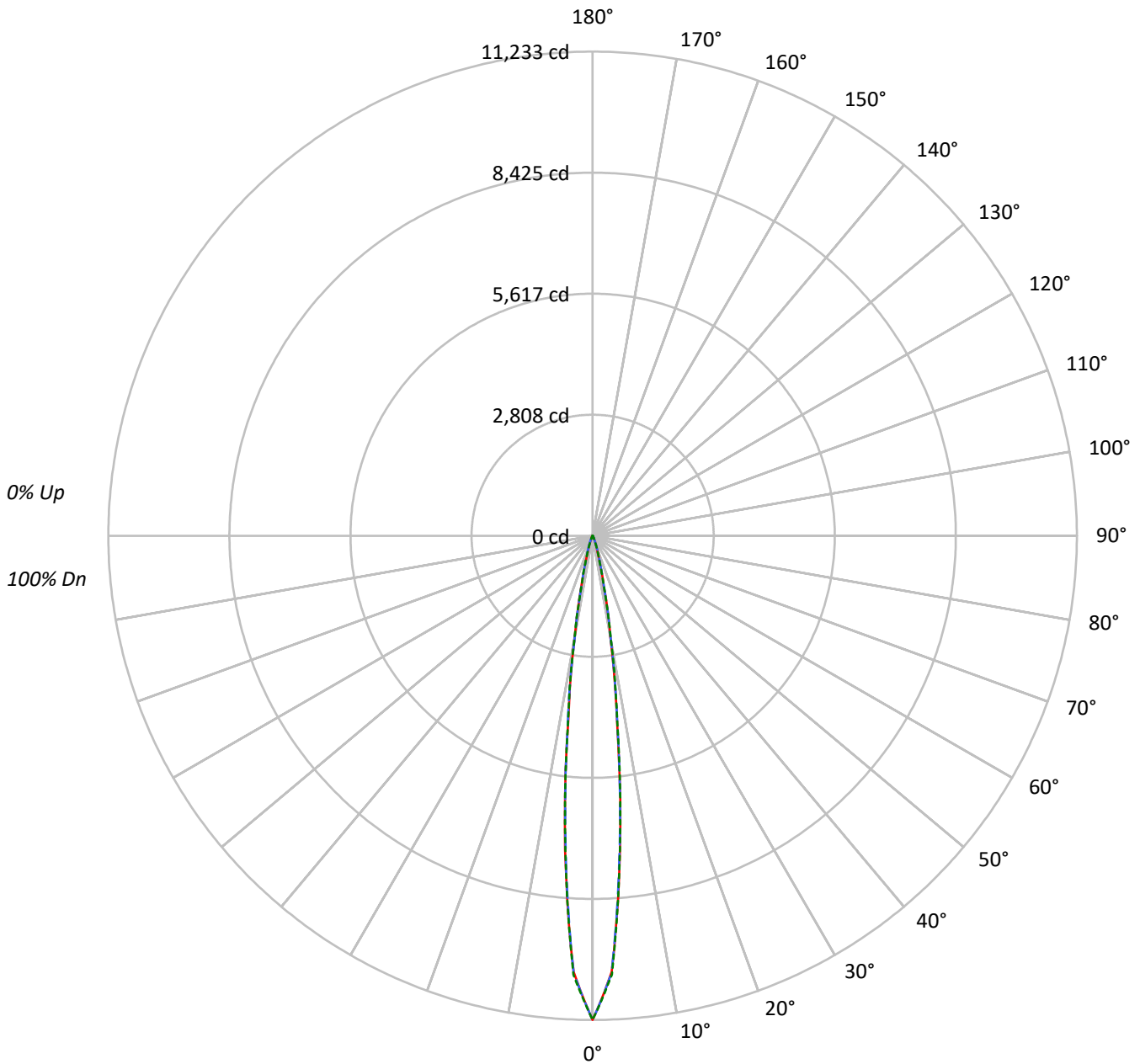
Downlight



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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	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°	1263903	1263903	1263903
5°	742724	733110	738913
10°	221671	223220	226635
15°	55137	56214	54477
20°	16495	19106	16847
25°	5819	7408	5889
30°	2134	2816	2172
35°	1068	1205	1038
40°	675	746	675
45°	497	532	497
50°	396	396	396
55°	334	334	334
60°	267	267	267
65°	207	207	207
70°	176	176	176
75°	106	106	144
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.7	64.9
10°-20°	219.9	26.7
20°-30°	43.7	5.3
30°-40°	10.9	1.3
40°-50°	5.7	0.7
50°-60°	4.3	0.5
60°-70°	3.0	0.4
70°-80°	1.7	0.2
80°-90°	0.5	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°	798.3	96.8
0°-40°	809.2	98.1
0°-60°	819.2	99.4
0°-90°	824.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	824.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11233	11233	11233	11233	11233	
5°	7308	7233	7214	7264	7271	534
15°	635	647	647	636	627	218
25°	75	85	95	84	76	39
35°	15	16	17	16	14	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	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°	11232.7	11232.7	11232.7	11232.7	11232.7
2.5°	10132.3	10140.9	10144.2	10154.2	10191.3
5°	7308.2	7233.1	7213.6	7263.5	7270.7
7.5°	4329.1	4344.3	4400.0	4412.3	4367.6
10°	2375.7	2395.2	2392.3	2409.4	2428.9
12.5°	1214.9	1199.7	1195.0	1214.5	1187.4
15°	634.8	646.7	647.2	635.8	627.2
17.5°	341.4	355.2	378.0	359.5	331.0
20°	201.6	214.0	233.5	218.3	205.9
22.5°	124.6	134.6	148.4	136.5	126.5
25°	74.7	84.6	95.1	84.2	75.6
27.5°	44.2	52.8	59.4	52.3	43.7
30°	28.5	33.3	37.6	32.8	29.0
32.5°	20.0	21.9	23.8	21.9	20.0
35°	14.7	15.7	16.6	15.7	14.3
37.5°	11.4	12.4	12.8	11.9	10.9
40°	9.5	10.0	10.5	10.0	9.5
42.5°	8.1	8.6	8.6	8.6	8.1
45°	7.1	7.1	7.6	7.1	7.1
47.5°	6.2	6.2	6.7	6.2	6.2
50°	5.7	5.7	5.7	5.7	5.7
52.5°	5.2	5.2	5.2	5.2	5.2
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.3	4.3	4.3	4.3	4.3
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
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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