

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: P757910

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757910
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-EU6DR150210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 503.3 lumens
Efficiency: N/A
Efficacy: 67.1 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



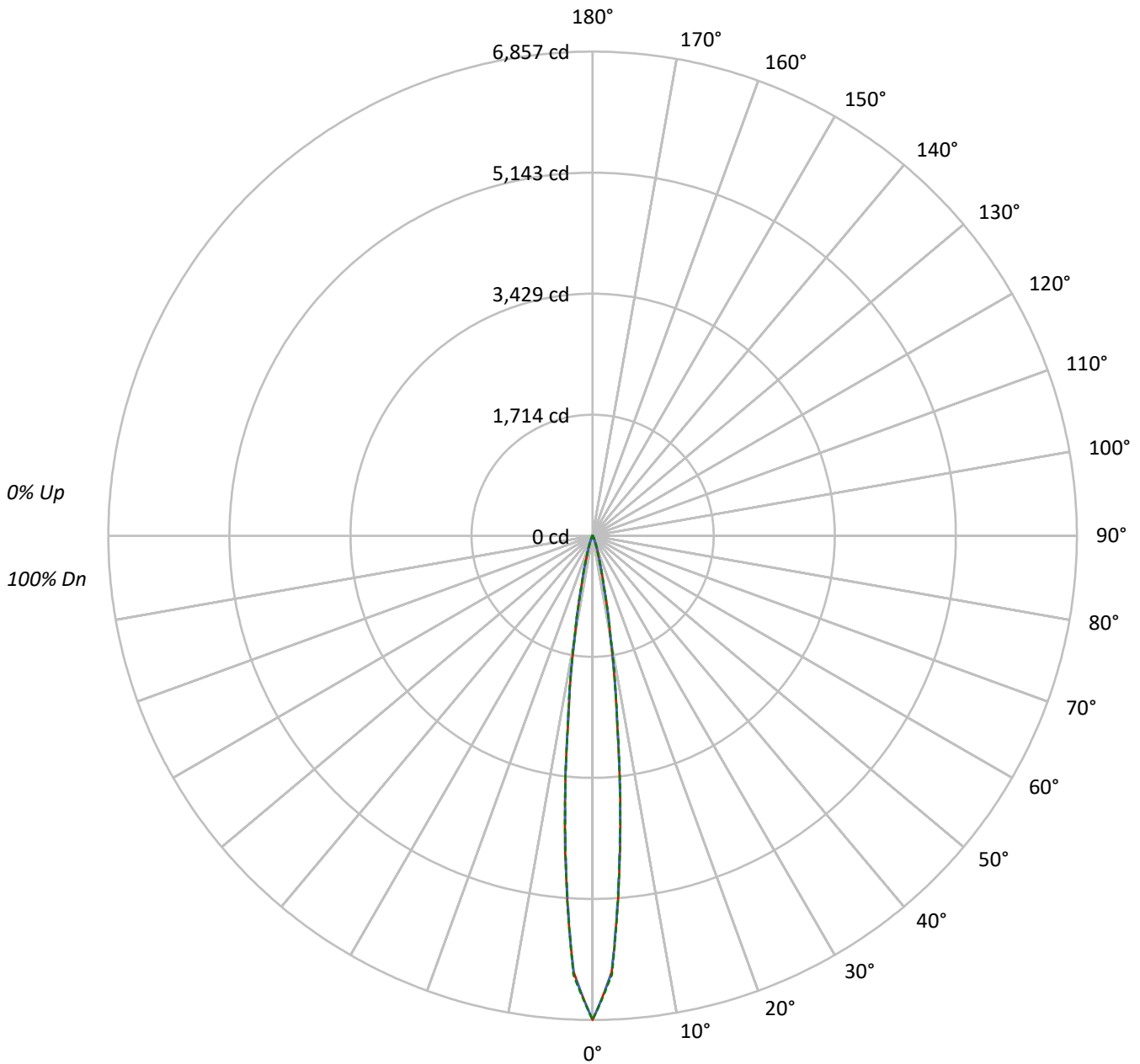
Downlight



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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°	771527	771527	771527
5°	453387	447513	451049
10°	135315	136266	138347
15°	33657	34317	33257
20°	10072	11660	10285
25°	3552	4526	3599
30°	1303	1715	1325
35°	654	741	632
40°	412	454	412
45°	308	322	308
50°	243	243	243
55°	202	202	202
60°	161	161	161
65°	121	121	121
70°	110	110	110
75°	68	68	91
80°	47	47	47
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 322 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.4	64.9
10°-20°	134.3	26.7
20°-30°	26.7	5.3
30°-40°	6.7	1.3
40°-50°	3.5	0.7
50°-60°	2.6	0.5
60°-70°	1.8	0.4
70°-80°	1.1	0.2
80°-90°	0.3	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°	487.3	96.8
0°-40°	494.0	98.2
0°-60°	500.1	99.4
0°-90°	503.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6857	6857	6857	6857	6857	
5°	4461	4415	4403	4434	4438	326
15°	388	395	395	388	383	133
25°	46	52	58	51	46	24
35°	9	10	10	10	9	6
45°	4	4	5	4	4	3
55°	3	3	3	3	3	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°	6856.8	6856.8	6856.8	6856.8	6856.8
2.5°	6185.1	6190.3	6192.4	6198.4	6221.1
5°	4461.2	4415.3	4403.4	4433.9	4438.2
7.5°	2642.6	2651.9	2685.9	2693.4	2666.1
10°	1450.2	1462.1	1460.4	1470.8	1482.7
12.5°	741.6	732.4	729.5	741.4	724.8
15°	387.5	394.8	395.1	388.1	382.9
17.5°	208.4	216.8	230.8	219.4	202.0
20°	123.1	130.6	142.5	133.2	125.7
22.5°	76.1	82.1	90.6	83.3	77.2
25°	45.6	51.7	58.1	51.4	46.2
27.5°	27.0	32.2	36.3	31.9	26.7
30°	17.4	20.3	22.9	20.0	17.7
32.5°	12.2	13.4	14.5	13.4	12.2
35°	9.0	9.6	10.2	9.6	8.7
37.5°	7.0	7.5	7.8	7.3	6.7
40°	5.8	6.1	6.4	6.1	5.8
42.5°	4.9	5.2	5.2	5.2	4.9
45°	4.4	4.4	4.6	4.4	4.4
47.5°	3.8	3.8	4.1	3.8	3.8
50°	3.5	3.5	3.5	3.5	3.5
52.5°	3.2	3.2	3.2	3.2	3.2
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.3	2.3	2.3	2.3	2.3
62.5°	2.0	2.0	2.0	2.0	2.0
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.9	0.9	0.9	0.9	1.2
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.3	0.3	0.3	0.3
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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