

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: P757923

Luminaire Tested: LD6D05D010-EU6DR150210IC9027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757923
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-EU6DR150210IC9027-6LBSQW1B
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: 558.6 lumens
Efficiency: N/A
Efficacy: 74.5 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): 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



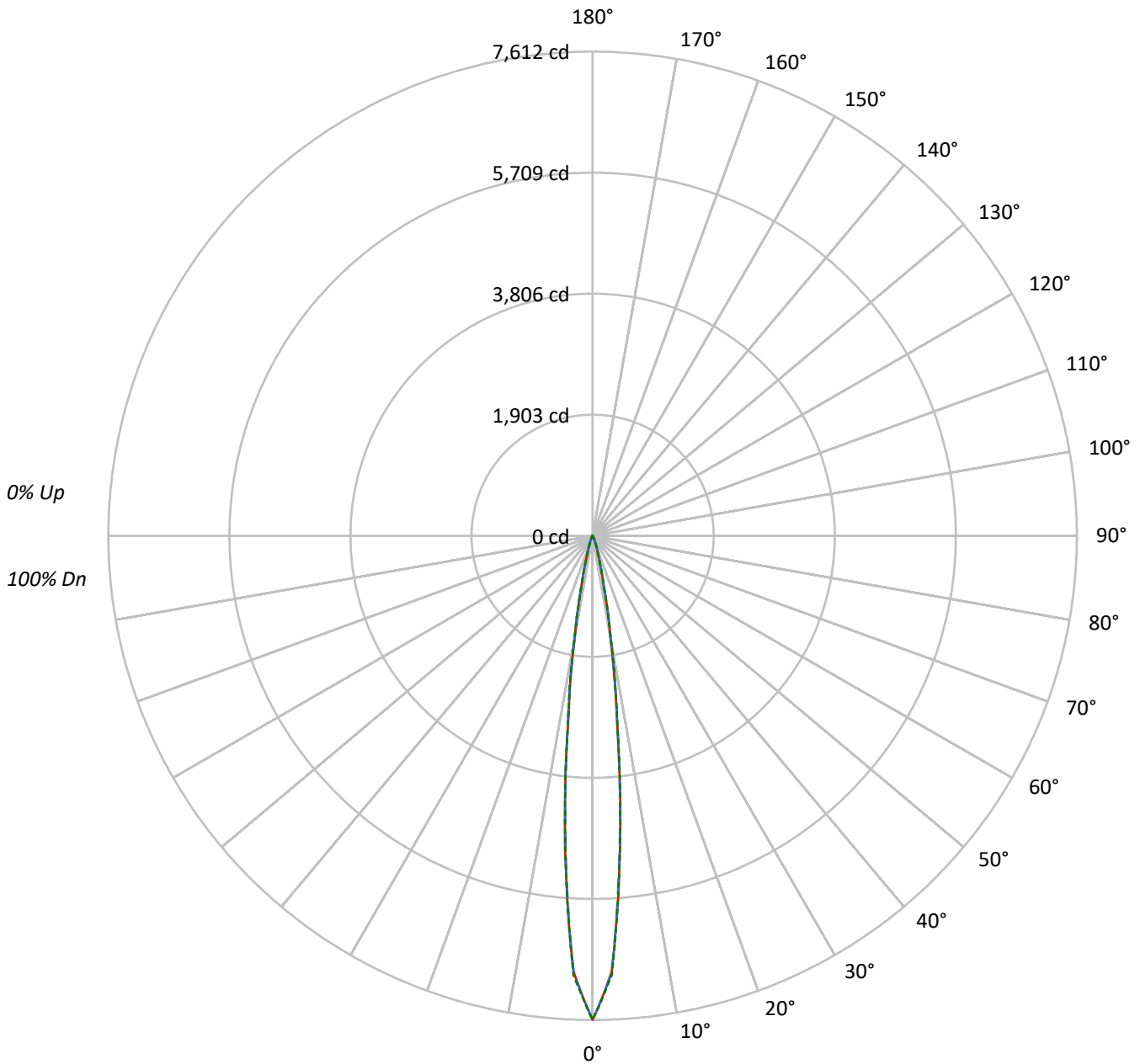
Downlight



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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	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°	856457	856457	856457
5°	503297	496772	500705
10°	150207	151261	153575
15°	37366	38087	36914
20°	11177	12944	11414
25°	3942	5017	3989
30°	1445	1909	1475
35°	726	821	704
40°	454	504	454
45°	336	364	336
50°	271	271	271
55°	223	223	223
60°	183	183	183
65°	136	136	136
70°	117	117	117
75°	76	76	98
80°	47	47	47
85°	25	25	25

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 364 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	64.9
10°-20°	149.0	26.7
20°-30°	29.6	5.3
30°-40°	7.4	1.3
40°-50°	3.9	0.7
50°-60°	2.9	0.5
60°-70°	2.0	0.4
70°-80°	1.2	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°	541.0	96.8
0°-40°	548.3	98.2
0°-60°	555.1	99.4
0°-90°	558.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7612	7612	7612	7612	7612	
5°	4952	4901	4888	4922	4927	362
15°	430	438	438	431	425	147
25°	51	57	64	57	51	27
35°	10	11	11	11	10	7
45°	5	5	5	5	5	4
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°	7611.6	7611.6	7611.6	7611.6	7611.6
2.5°	6865.9	6871.7	6874.0	6880.8	6905.9
5°	4952.3	4901.3	4888.1	4922.0	4926.8
7.5°	2933.5	2943.8	2981.5	2989.9	2959.6
10°	1609.8	1623.0	1621.1	1632.7	1645.9
12.5°	823.3	813.0	809.7	823.0	804.6
15°	430.2	438.2	438.5	430.8	425.0
17.5°	231.4	240.7	256.2	243.6	224.3
20°	136.6	145.0	158.2	147.9	139.5
22.5°	84.4	91.2	100.5	92.5	85.7
25°	50.6	57.4	64.4	57.0	51.2
27.5°	30.0	35.8	40.3	35.4	29.6
30°	19.3	22.6	25.5	22.2	19.7
32.5°	13.5	14.8	16.1	14.8	13.5
35°	10.0	10.6	11.3	10.6	9.7
37.5°	7.7	8.4	8.7	8.1	7.4
40°	6.4	6.8	7.1	6.8	6.4
42.5°	5.5	5.8	5.8	5.8	5.5
45°	4.8	4.8	5.2	4.8	4.8
47.5°	4.2	4.2	4.5	4.2	4.2
50°	3.9	3.9	3.9	3.9	3.9
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.2	3.2	3.2	3.2	3.2
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.3	2.3	2.3	2.3	2.3
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.3
77.5°	1.0	1.0	1.0	1.0	1.0
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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