

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: P761191

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR300215IC9027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1003.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



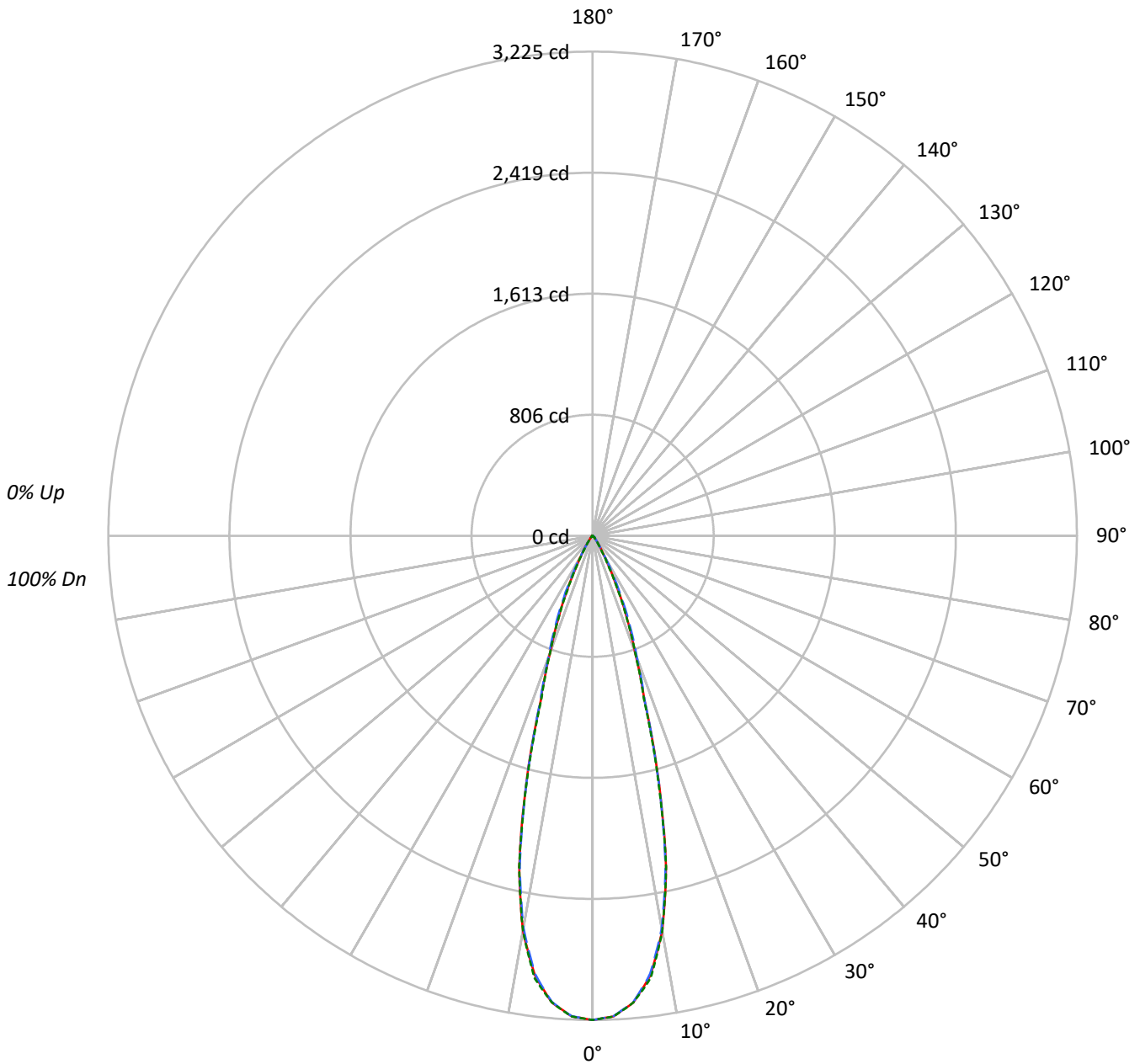
Downlight



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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					70					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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96								
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92								
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89								
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85								
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82								
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79								
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77								
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74								
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72								
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	246860	246860	246860
5°	239774	239497	239781
10°	207679	206218	207632
15°	135499	134770	134096
20°	67380	69905	67291
25°	33943	38267	33242
30°	13585	14804	11844
35°	6298	6036	5055
40°	2718	3028	2568
45°	1927	2381	1938
50°	667	1739	691
55°	387	721	400
60°	260	321	260
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.6	28.3
10°-20°	456.7	45.5
20°-30°	197.4	19.7
30°-40°	45.0	4.5
40°-50°	15.5	1.5
50°-60°	3.8	0.4
60°-70°	1.0	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	937.7	93.5
0°-40°	982.7	98.0
0°-60°	1001.9	99.9
0°-90°	1003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3225	3225	3225	3225	3225	
5°	3121	3118	3117	3123	3121	284
15°	1710	1689	1701	1695	1692	458
25°	402	417	453	406	394	192
35°	67	69	65	64	54	46
45°	18	22	22	22	18	13
55°	3	3	5	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	3225.1	3225.1	3225.1	3225.1	3225.1
2.5°	3203.7	3201.5	3202.8	3204.3	3205.0
5°	3120.6	3117.6	3117.0	3123.4	3120.7
7.5°	2952.9	2948.6	2942.2	2956.9	2970.6
10°	2672.0	2667.3	2653.2	2660.2	2671.4
12.5°	2257.3	2242.0	2241.7	2263.8	2260.8
15°	1709.9	1689.3	1700.7	1695.2	1692.2
17.5°	1149.9	1141.9	1157.2	1152.5	1132.8
20°	827.2	829.2	858.2	843.7	826.1
22.5°	603.6	611.1	645.4	607.9	594.1
25°	401.9	417.1	453.1	406.5	393.6
27.5°	247.2	254.2	290.7	244.0	237.0
30°	153.7	150.3	167.5	143.8	134.0
32.5°	100.8	96.4	102.0	91.5	83.6
35°	67.4	68.9	64.6	64.1	54.1
37.5°	42.1	48.5	42.7	45.6	34.8
40°	27.2	35.2	30.3	33.4	25.7
42.5°	22.3	27.1	24.9	26.5	22.8
45°	17.8	22.0	22.0	22.0	17.9
47.5°	9.8	14.7	18.9	15.1	10.4
50°	5.6	7.4	14.6	7.7	5.8
52.5°	3.8	4.3	10.0	4.4	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.3	2.9	2.3	2.2
60°	1.7	1.7	2.1	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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





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

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