

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: P762923

Luminaire Tested: LD6D25D010-EU6DR1515309040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762923
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: LD6D25D010-EU6DR1515309040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2822.0 lumens
Efficiency: N/A
Efficacy: 112.4 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): 25.1
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



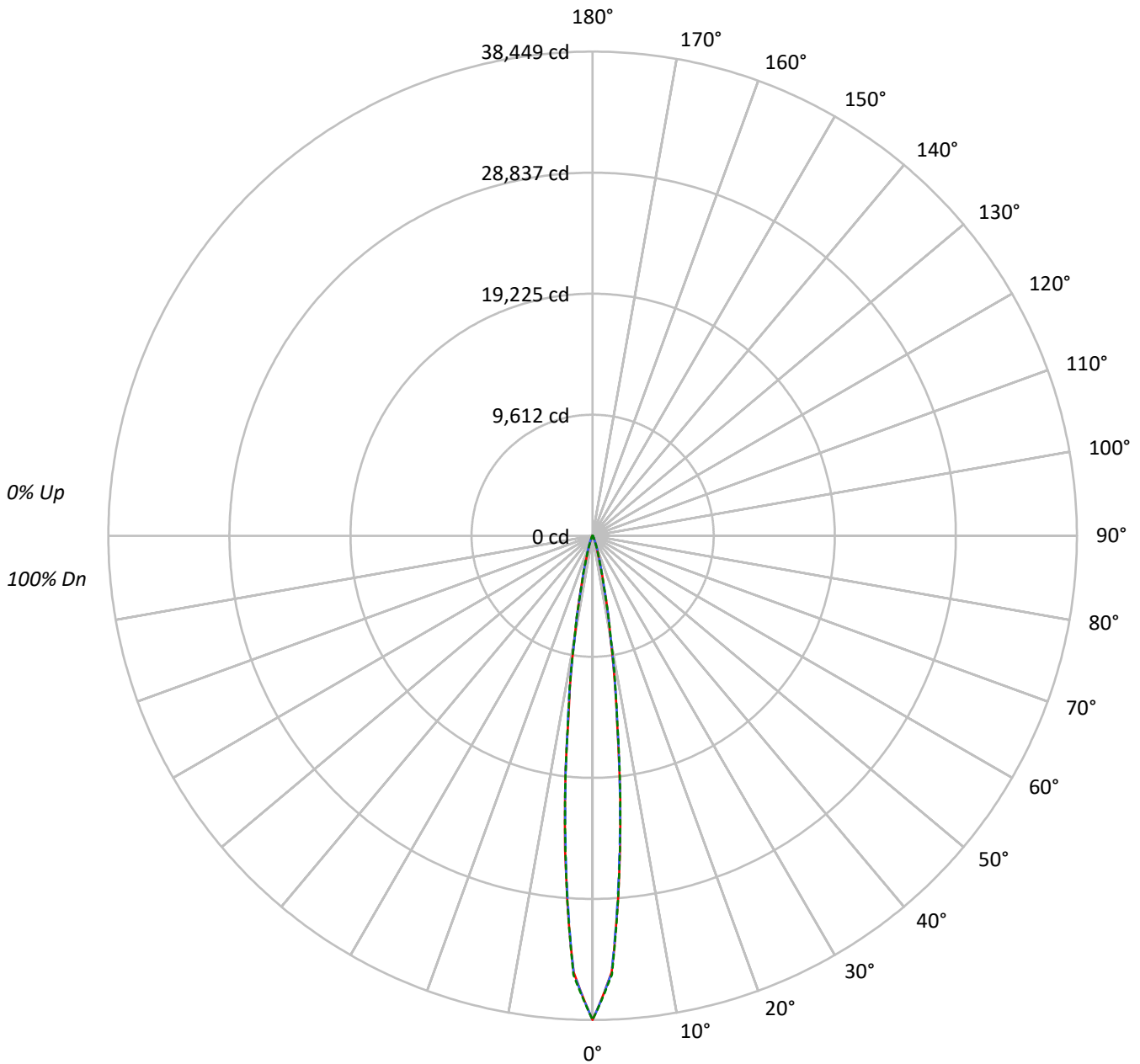
Downlight



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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°	4326246	4326246	4326246
5°	2542308	2509390	2529239
10°	758759	764077	775769
15°	188731	192414	186473
20°	56466	65393	57669
25°	19904	25357	20161
30°	7316	9630	7436
35°	3667	4139	3544
40°	2315	2542	2315
45°	1708	1820	1708
50°	1356	1356	1356
55°	1135	1135	1135
60°	913	913	913
65°	699	699	699
70°	592	592	592
75°	370	370	491
80°	260	260	260
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1820 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1830.2	64.9
10°-20°	752.8	26.7
20°-30°	149.5	5.3
30°-40°	37.3	1.3
40°-50°	19.6	0.7
50°-60°	14.5	0.5
60°-70°	10.3	0.4
70°-80°	5.9	0.2
80°-90°	1.8	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°	2732.6	96.8
0°-40°	2769.9	98.2
0°-60°	2804.1	99.4
0°-90°	2822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38449	38449	38449	38449	38449	
5°	25016	24758	24692	24863	24887	1827
15°	2173	2214	2215	2176	2147	745
25°	256	290	326	288	259	134
35°	50	54	57	54	49	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	38448.7	38448.7	38448.7	38448.7	38448.7
2.5°	34682.3	34711.6	34723.0	34757.2	34884.1
5°	25015.6	24758.4	24691.7	24862.6	24887.0
7.5°	14818.3	14870.3	15060.8	15103.1	14950.1
10°	8131.8	8198.5	8188.8	8247.4	8314.1
12.5°	4158.7	4106.6	4090.3	4157.1	4064.3
15°	2172.9	2213.6	2215.3	2176.2	2146.9
17.5°	1168.7	1215.9	1294.0	1230.5	1132.9
20°	690.1	732.4	799.2	747.1	704.8
22.5°	426.4	460.6	507.8	467.1	433.0
25°	255.5	289.7	325.5	288.1	258.8
27.5°	151.4	180.7	203.5	179.0	149.7
30°	97.7	113.9	128.6	112.3	99.3
32.5°	68.4	74.9	81.4	74.9	68.4
35°	50.5	53.7	57.0	53.7	48.8
37.5°	39.1	42.3	43.9	40.7	37.4
40°	32.6	34.2	35.8	34.2	32.6
42.5°	27.7	29.3	29.3	29.3	27.7
45°	24.4	24.4	26.0	24.4	24.4
47.5°	21.2	21.2	22.8	21.2	21.2
50°	19.5	19.5	19.5	19.5	19.5
52.5°	17.9	17.9	17.9	17.9	17.9
55°	16.3	16.3	16.3	16.3	16.3
57.5°	14.6	14.6	14.6	14.6	14.6
60°	13.0	13.0	13.0	13.0	13.0
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.8	9.8	9.8	9.8	9.8
67.5°	9.8	9.8	9.8	9.8	9.8
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.5	6.5	6.5	6.5	6.5
75°	4.9	4.9	4.9	4.9	6.5
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	1.6
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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