

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: P763093

Luminaire Tested: LD6D25D010-EU6DR3020359024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763093
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: LD6D25D010-EU6DR3020359024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2206.0 lumens
Efficiency: N/A
Efficacy: 87.9 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): 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

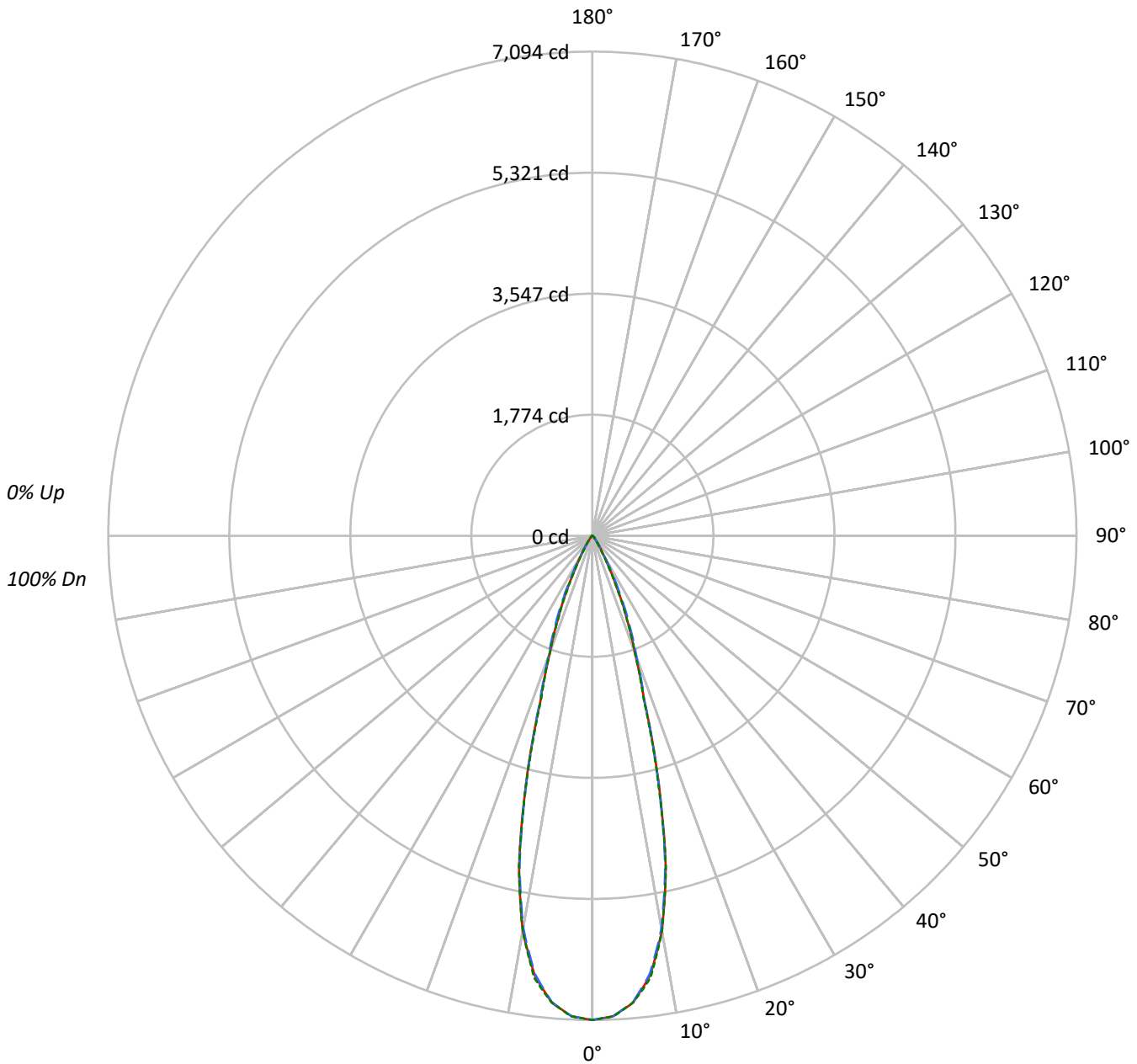


Downlight



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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	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°	542961	542961	542961
5°	527370	526755	527401
10°	456785	453567	456676
15°	298027	296426	294937
20°	148193	153756	147997
25°	74651	84186	73122
30°	29892	32570	26038
35°	13857	13278	11129
40°	5985	6645	5636
45°	4222	5239	4265
50°	1453	3811	1536
55°	827	1588	881
60°	582	689	582
65°	380	380	380
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.8	28.3
10°-20°	1004.6	45.5
20°-30°	434.1	19.7
30°-40°	98.9	4.5
40°-50°	34.0	1.5
50°-60°	8.3	0.4
60°-70°	2.2	0.1
70°-80°	0.2	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°	2062.5	93.5
0°-40°	2161.4	98.0
0°-60°	2203.7	99.9
0°-90°	2206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7094	7094	7094	7094	7094	
5°	6864	6857	6856	6870	6864	624
15°	3761	3716	3741	3728	3722	1007
25°	884	917	997	894	866	423
35°	148	152	142	141	119	101
45°	39	48	48	48	39	28
55°	6	7	12	7	7	6
65°	2	2	2	2	2	2
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°	7093.5	7093.5	7093.5	7093.5	7093.5
2.5°	7046.4	7041.6	7044.4	7047.9	7049.2
5°	6863.6	6857.0	6855.6	6869.9	6864.0
7.5°	6494.8	6485.4	6471.1	6503.5	6533.8
10°	5877.0	5866.6	5835.6	5850.9	5875.6
12.5°	4964.8	4931.1	4930.4	4979.2	4972.5
15°	3760.9	3715.6	3740.7	3728.5	3721.9
17.5°	2529.1	2511.7	2545.1	2535.0	2491.5
20°	1819.3	1823.9	1887.6	1855.6	1816.9
22.5°	1327.6	1344.0	1419.5	1337.0	1306.7
25°	883.9	917.4	996.8	894.0	865.8
27.5°	543.6	559.0	639.4	536.7	521.3
30°	338.2	330.5	368.5	316.2	294.6
32.5°	221.8	212.1	224.3	201.3	183.9
35°	148.3	151.5	142.1	141.1	119.1
37.5°	92.6	106.6	94.0	100.3	76.6
40°	59.9	77.3	66.5	73.5	56.4
42.5°	49.1	59.5	54.7	58.2	50.1
45°	39.0	48.4	48.4	48.4	39.4
47.5°	21.6	32.4	41.4	33.1	23.0
50°	12.2	16.4	32.0	17.1	12.9
52.5°	8.4	9.4	21.9	9.7	8.7
55°	6.2	6.6	11.9	7.0	6.6
57.5°	4.9	5.2	6.2	5.2	4.9
60°	3.8	3.8	4.5	4.2	3.8
62.5°	2.8	2.8	3.2	2.8	2.8
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.0	1.4	1.4	1.4	1.4
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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

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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