

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: P763158

Luminaire Tested: LD6D25D010-EU6DR3020359050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763158
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-EU6DR3020359050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2710.8 lumens
Efficiency: N/A
Efficacy: 108.0 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 (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

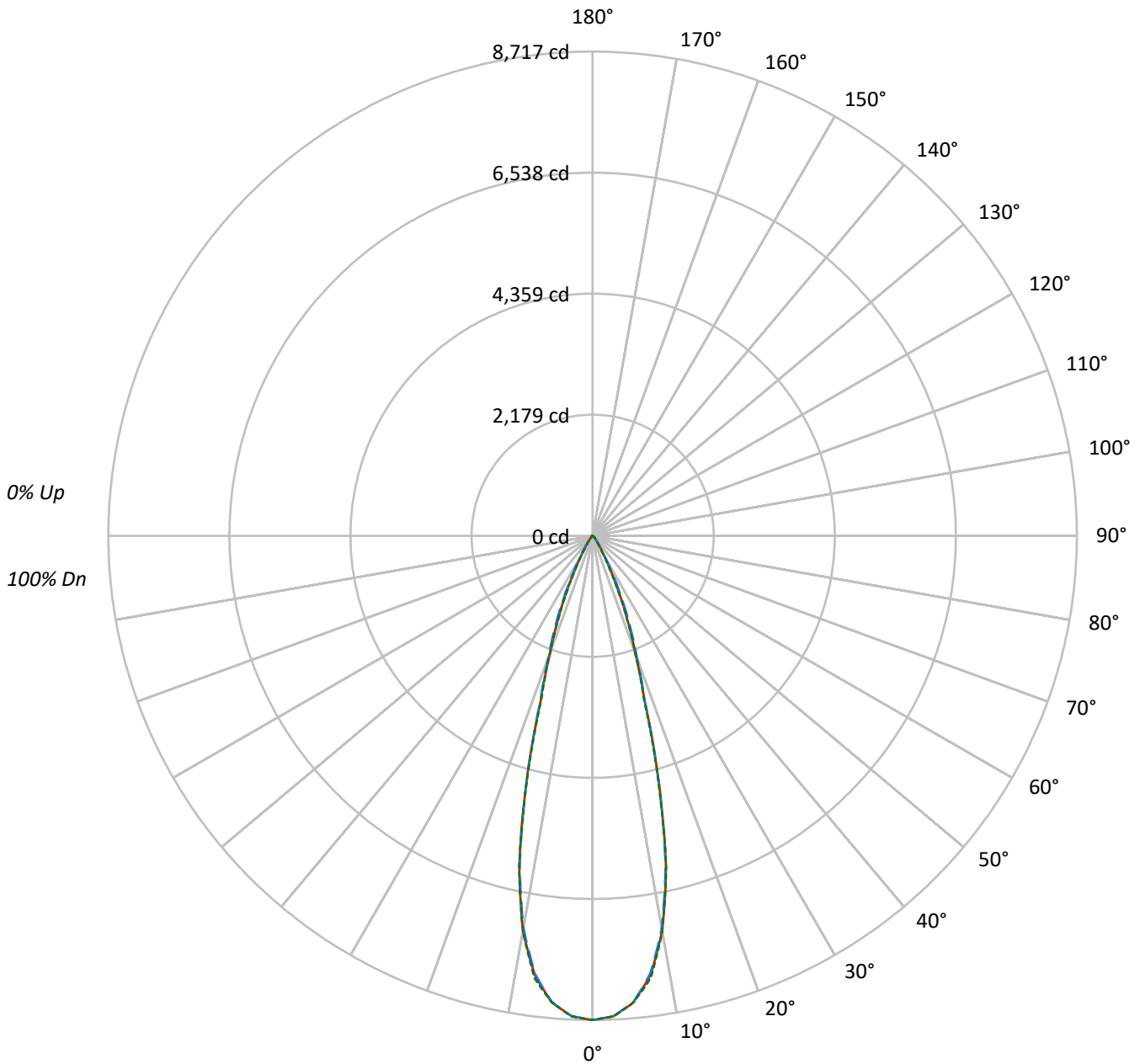


Downlight



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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									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°	667206	667206	667206
5°	648048	647295	648079
10°	561309	557352	561177
15°	366224	364259	362428
20°	182111	188937	181866
25°	91728	103442	89853
30°	36733	40021	31995
35°	17035	16315	13680
40°	7354	8173	6924
45°	5196	6441	5239
50°	1786	4692	1881
55°	1028	1948	1081
60°	720	857	720
65°	471	471	471
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6441 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.5	28.3
10°-20°	1234.5	45.5
20°-30°	533.4	19.7
30°-40°	121.6	4.5
40°-50°	41.7	1.5
50°-60°	10.2	0.4
60°-70°	2.6	0.1
70°-80°	0.3	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°	2534.4	93.5
0°-40°	2656.0	98.0
0°-60°	2707.9	99.9
0°-90°	2710.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2710.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8717	8717	8717	8717	8717	
5°	8434	8426	8424	8442	8435	767
15°	4622	4566	4597	4582	4574	1237
25°	1086	1127	1225	1099	1064	520
35°	182	186	175	173	146	124
45°	48	60	60	60	48	34
55°	8	8	15	8	8	8
65°	3	3	3	3	3	3
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°	8716.7	8716.7	8716.7	8716.7	8716.7
2.5°	8658.9	8652.9	8656.3	8660.6	8662.3
5°	8434.2	8426.1	8424.4	8441.9	8434.6
7.5°	7981.0	7969.5	7951.9	7991.7	8028.9
10°	7221.8	7209.0	7170.9	7189.7	7220.1
12.5°	6101.0	6059.5	6058.6	6118.5	6110.4
15°	4621.5	4565.9	4596.7	4581.7	4573.6
17.5°	3107.9	3086.4	3127.5	3115.1	3061.6
20°	2235.7	2241.2	2319.5	2280.2	2232.7
22.5°	1631.4	1651.5	1744.3	1642.9	1605.7
25°	1086.1	1127.2	1224.8	1098.6	1063.9
27.5°	668.1	686.9	785.7	659.5	640.7
30°	415.6	406.1	452.8	388.6	362.0
32.5°	272.6	260.6	275.6	247.3	226.0
35°	182.3	186.2	174.6	173.3	146.4
37.5°	113.8	131.0	115.6	123.2	94.1
40°	73.6	95.0	81.8	90.3	69.3
42.5°	60.3	73.2	67.2	71.4	61.6
45°	48.0	59.5	59.5	59.5	48.4
47.5°	26.5	39.8	50.9	40.7	28.2
50°	15.0	20.1	39.4	21.0	15.8
52.5°	10.3	11.6	27.0	12.0	10.7
55°	7.7	8.1	14.6	8.5	8.1
57.5°	6.0	6.4	7.7	6.4	6.0
60°	4.7	4.7	5.6	5.2	4.7
62.5°	3.4	3.4	3.8	3.4	3.4
65°	2.6	2.6	2.6	2.6	2.6
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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