

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: P763157

Luminaire Tested: LD6D25D010-EU6DR3020359040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763157
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-EU6DR3020359040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2525.6 lumens
Efficiency: N/A
Efficacy: 100.6 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

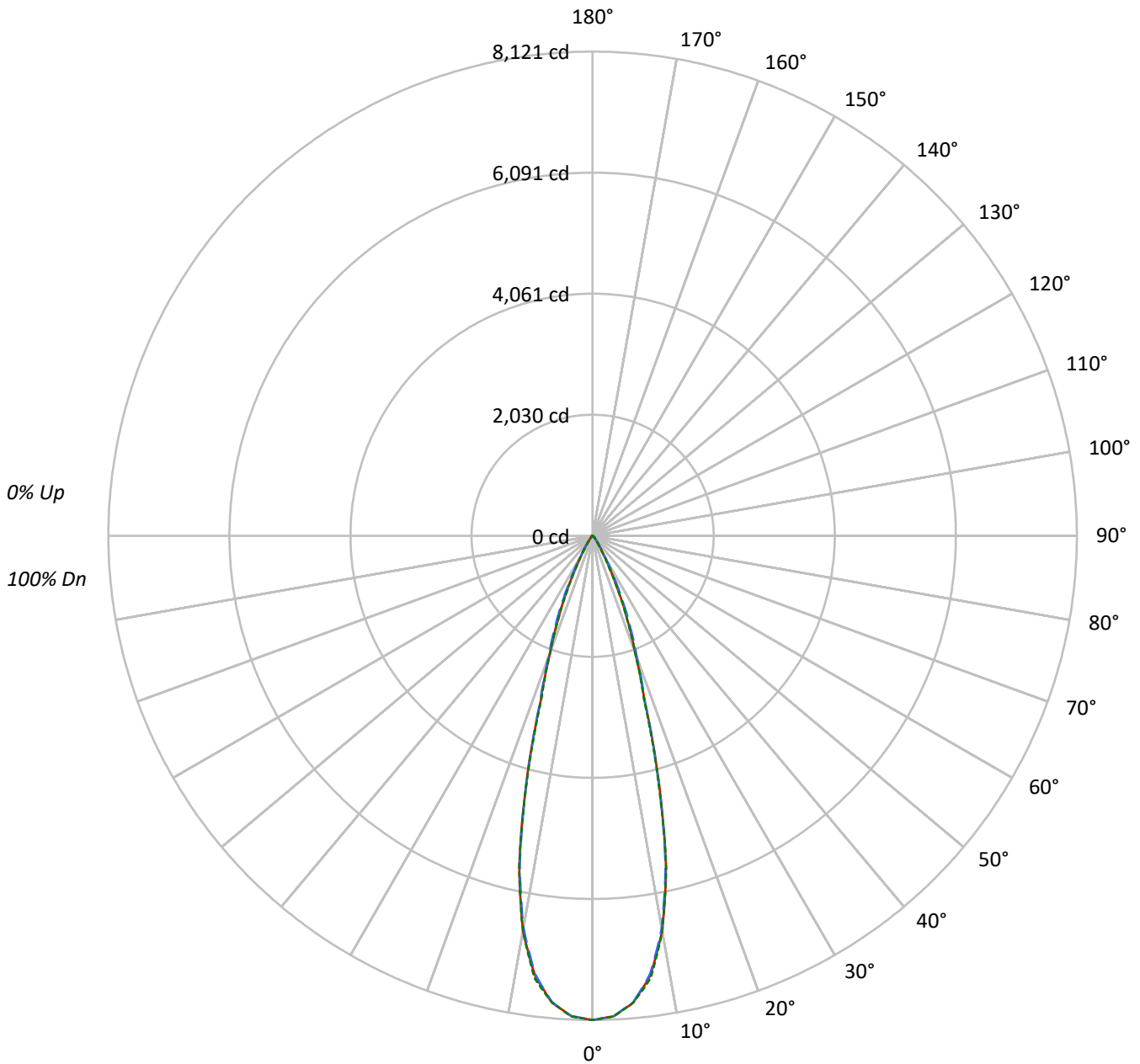


Downlight



TEST NUMBER: P763157
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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°	621601	621601	621601
5°	603760	603053	603791
10°	522944	519260	522820
15°	341199	339361	337657
20°	169656	176026	169428
25°	85461	96373	83713
30°	34214	37281	29812
35°	15866	15203	12746
40°	6855	7604	6455
45°	4828	5997	4871
50°	1667	4370	1750
55°	961	1815	1014
60°	674	796	674
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.1	28.3
10°-20°	1150.1	45.5
20°-30°	497.0	19.7
30°-40°	113.3	4.5
40°-50°	38.9	1.5
50°-60°	9.5	0.4
60°-70°	2.5	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°	2361.2	93.5
0°-40°	2474.4	98.0
0°-60°	2522.8	99.9
0°-90°	2525.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8121	8121	8121	8121	8121	
5°	7858	7850	7849	7865	7858	715
15°	4306	4254	4282	4269	4261	1153
25°	1012	1050	1141	1024	991	484
35°	170	173	163	162	136	115
45°	45	55	55	55	45	32
55°	7	8	14	8	8	7
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8120.9	8120.9	8120.9	8120.9	8120.9
2.5°	8067.1	8061.5	8064.7	8068.7	8070.3
5°	7857.8	7850.2	7848.6	7865.0	7858.2
7.5°	7435.5	7424.8	7408.4	7445.5	7480.2
10°	6728.2	6716.2	6680.8	6698.3	6726.6
12.5°	5684.0	5645.3	5644.5	5700.3	5692.8
15°	4305.7	4253.8	4282.5	4268.6	4261.0
17.5°	2895.4	2875.5	2913.8	2902.2	2852.4
20°	2082.8	2088.1	2161.0	2124.3	2080.0
22.5°	1519.9	1538.6	1625.1	1530.6	1496.0
25°	1011.9	1050.2	1141.1	1023.5	991.2
27.5°	622.4	639.9	732.1	614.4	596.8
30°	387.1	378.4	421.8	362.0	337.3
32.5°	254.0	242.8	256.8	230.4	210.5
35°	169.8	173.4	162.7	161.5	136.4
37.5°	106.1	122.0	107.7	114.8	87.7
40°	68.6	88.5	76.1	84.1	64.6
42.5°	56.2	68.2	62.6	66.6	57.4
45°	44.6	55.4	55.4	55.4	45.0
47.5°	24.7	37.1	47.4	37.9	26.3
50°	14.0	18.7	36.7	19.5	14.7
52.5°	9.6	10.8	25.1	11.2	10.0
55°	7.2	7.6	13.6	8.0	7.6
57.5°	5.6	6.0	7.2	6.0	5.6
60°	4.4	4.4	5.2	4.8	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	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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