

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: P763147

Luminaire Tested: LD6D25D010-EU6DR3020359040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763147
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-EU6DR3020359040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST 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: 2743.6 lumens
Efficiency: N/A
Efficacy: 109.3 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



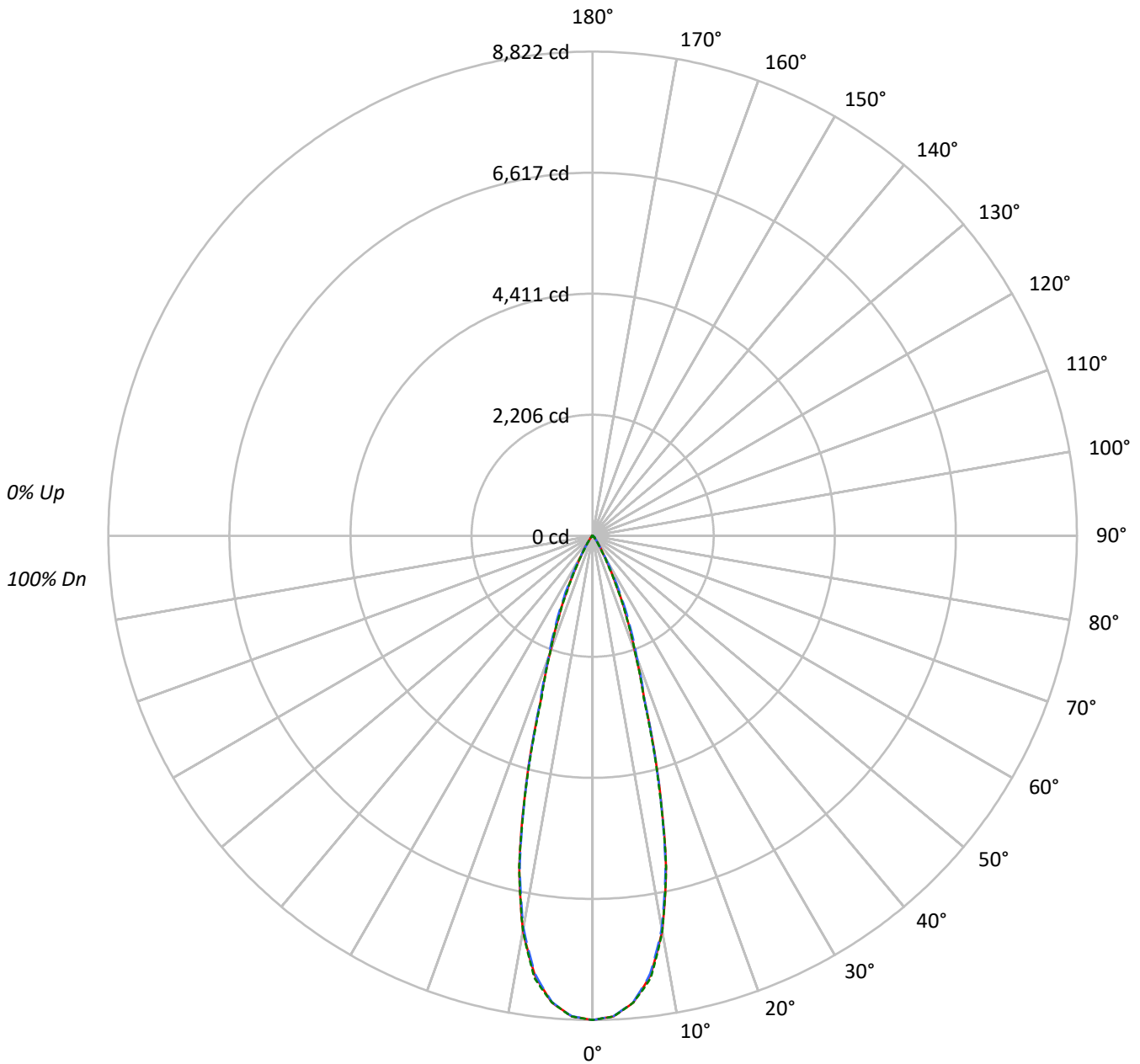
Downlight



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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	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°	675273	675273	675273
5°	655886	655125	655916
10°	568094	564091	567962
15°	370654	368665	366810
20°	184310	191226	184066
25°	92843	104692	90934
30°	37166	40498	32393
35°	17240	16511	13839
40°	7444	8263	7014
45°	5250	6517	5293
50°	1810	4739	1905
55°	1041	1962	1108
60°	735	857	735
65°	471	471	471
70°	291	201	291
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6517 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.8	28.3
10°-20°	1249.4	45.5
20°-30°	539.9	19.7
30°-40°	123.0	4.5
40°-50°	42.2	1.5
50°-60°	10.3	0.4
60°-70°	2.7	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°	2565.0	93.5
0°-40°	2688.1	98.0
0°-60°	2740.7	99.9
0°-90°	2743.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2743.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8822	8822	8822	8822	8822	
5°	8536	8528	8526	8544	8537	776
15°	4677	4621	4652	4637	4629	1252
25°	1099	1141	1240	1112	1077	526
35°	184	188	177	175	148	125
45°	48	60	60	60	49	34
55°	8	8	15	9	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°	8822.1	8822.1	8822.1	8822.1	8822.1
2.5°	8763.6	8757.6	8761.0	8765.3	8767.1
5°	8536.2	8528.0	8526.3	8544.0	8536.6
7.5°	8077.5	8065.8	8048.1	8088.3	8126.0
10°	7309.1	7296.1	7257.6	7276.6	7307.4
12.5°	6174.7	6132.8	6131.9	6192.5	6184.3
15°	4677.4	4621.1	4652.3	4637.1	4628.9
17.5°	3145.4	3123.8	3165.3	3152.8	3098.6
20°	2262.7	2268.3	2347.6	2307.7	2259.7
22.5°	1651.1	1671.5	1765.4	1662.8	1625.1
25°	1099.3	1140.9	1239.6	1111.9	1076.7
27.5°	676.1	695.2	795.3	667.5	648.4
30°	420.5	411.0	458.2	393.3	366.5
32.5°	275.9	263.8	278.9	250.4	228.7
35°	184.5	188.4	176.7	175.4	148.1
37.5°	115.2	132.5	116.9	124.7	95.3
40°	74.5	96.1	82.7	91.4	70.2
42.5°	61.1	74.1	68.0	72.3	62.4
45°	48.5	60.2	60.2	60.2	48.9
47.5°	26.9	40.3	51.6	41.1	28.6
50°	15.2	20.3	39.8	21.2	16.0
52.5°	10.4	11.7	27.3	12.1	10.8
55°	7.8	8.3	14.7	8.7	8.3
57.5°	6.1	6.5	7.8	6.5	6.1
60°	4.8	4.8	5.6	5.2	4.8
62.5°	3.4	3.4	3.9	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	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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