

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: P763119

Luminaire Tested: LD6D25D010-EU6DR3020359030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763119
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-EU6DR3020359030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.6 lumens
Efficiency: N/A
Efficacy: 100.7 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

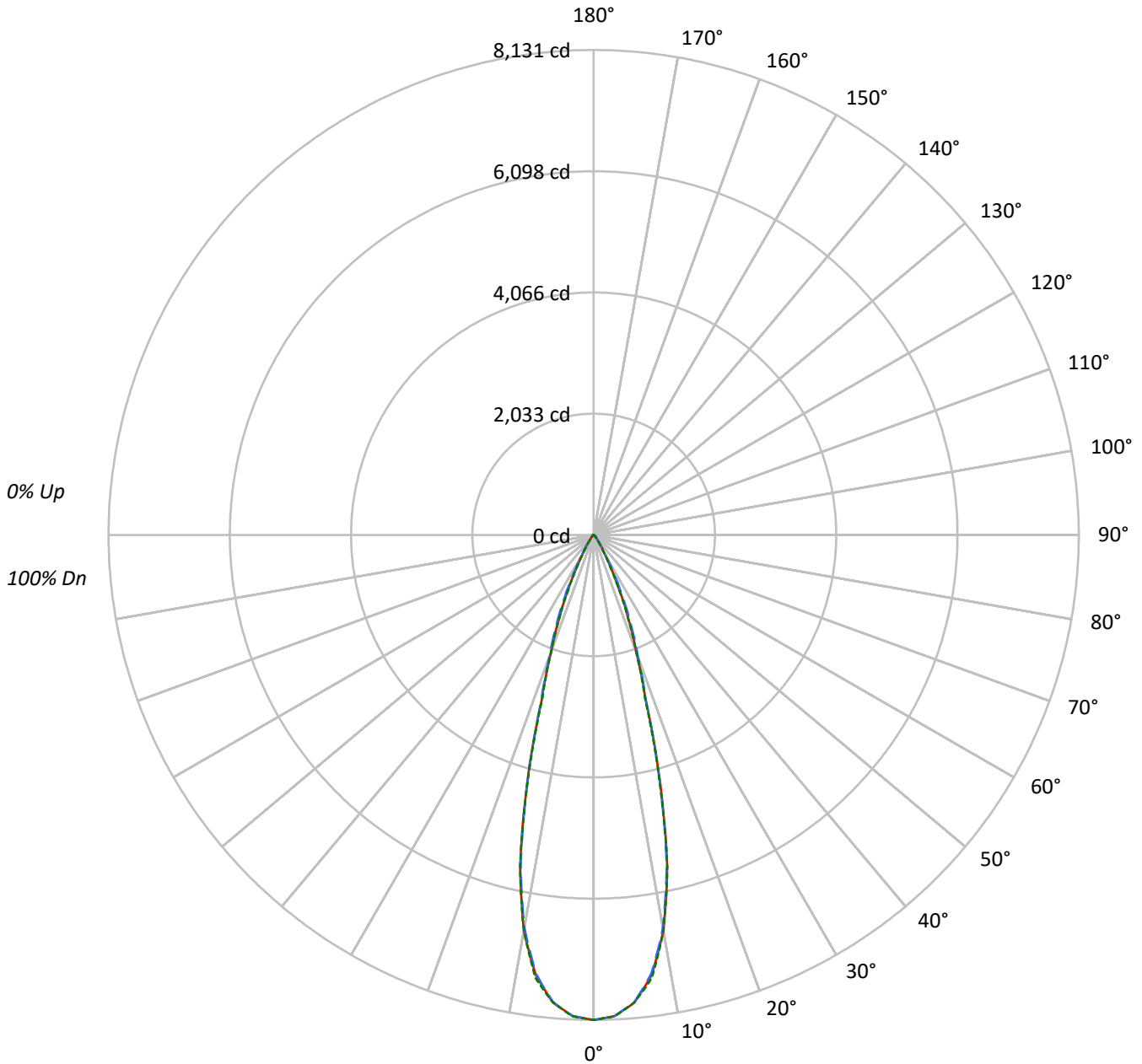


Downlight



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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°	622351	622351	622351
5°	604482	603776	604513
10°	523574	519882	523449
15°	341603	339773	338061
20°	169868	176238	169640
25°	85563	96491	83814
30°	34258	37325	29848
35°	15895	15222	12755
40°	6855	7624	6465
45°	4839	6008	4882
50°	1667	4370	1762
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: 6008 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.0	28.3
10°-20°	1151.5	45.5
20°-30°	497.6	19.7
30°-40°	113.4	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°	2364.0	93.5
0°-40°	2477.4	98.0
0°-60°	2525.9	99.9
0°-90°	2528.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8131	8131	8131	8131	8131	
5°	7867	7860	7858	7874	7868	716
15°	4311	4259	4288	4274	4266	1154
25°	1013	1052	1142	1025	992	485
35°	170	174	163	162	136	115
45°	45	56	56	56	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°	8130.7	8130.7	8130.7	8130.7	8130.7
2.5°	8076.8	8071.2	8074.4	8078.4	8080.0
5°	7867.2	7859.6	7858.0	7874.4	7867.6
7.5°	7444.5	7433.7	7417.3	7454.4	7489.2
10°	6736.3	6724.3	6688.8	6706.4	6734.7
12.5°	5690.8	5652.1	5651.3	5707.2	5699.6
15°	4310.8	4259.0	4287.7	4273.7	4266.1
17.5°	2898.9	2879.0	2917.3	2905.7	2855.8
20°	2085.4	2090.5	2163.6	2126.9	2082.6
22.5°	1521.7	1540.5	1627.1	1532.5	1497.8
25°	1013.1	1051.5	1142.5	1024.7	992.4
27.5°	623.1	640.7	732.9	615.2	597.6
30°	387.6	378.8	422.3	362.4	337.7
32.5°	254.3	243.1	257.1	230.7	210.8
35°	170.1	173.7	162.9	161.7	136.5
37.5°	106.2	122.2	107.8	115.0	87.8
40°	68.6	88.6	76.3	84.2	64.7
42.5°	56.3	68.2	62.7	66.7	57.5
45°	44.7	55.5	55.5	55.5	45.1
47.5°	24.8	37.1	47.5	37.9	26.4
50°	14.0	18.7	36.7	19.5	14.8
52.5°	9.6	10.8	25.2	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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