

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: P763132

Luminaire Tested: LD6D25D010-EU6DR3020359035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763132
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-EU6DR3020359035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.4 lumens
Efficiency: N/A
Efficacy: 106.4 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

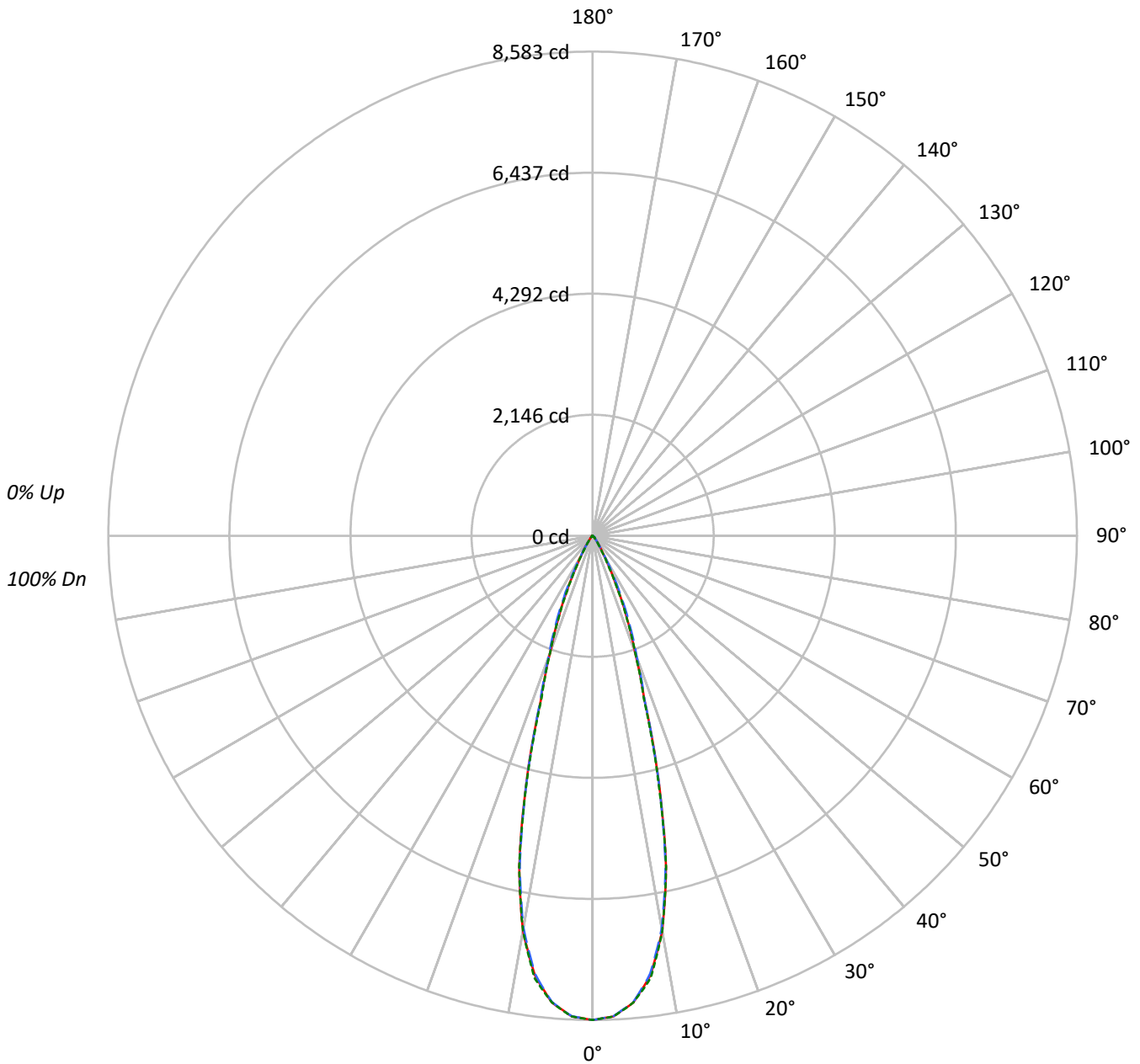


Downlight



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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	657003	657003	657003
5°	638137	637391	638175
10°	552728	548826	552596
15°	360622	358688	356889
20°	179317	186053	179081
25°	90326	101863	88476
30°	36167	39411	31509
35°	16773	16063	13465
40°	7244	8044	6825
45°	5109	6343	5153
50°	1750	4620	1858
55°	1014	1908	1068
60°	704	842	704
65°	453	453	453
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: 6343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.8	28.3
10°-20°	1215.6	45.5
20°-30°	525.3	19.7
30°-40°	119.7	4.5
40°-50°	41.1	1.5
50°-60°	10.0	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°	2495.6	93.5
0°-40°	2615.4	98.0
0°-60°	2666.5	99.9
0°-90°	2669.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8583	8583	8583	8583	8583	
5°	8305	8297	8296	8313	8306	755
15°	4551	4496	4526	4512	4504	1219
25°	1070	1110	1206	1082	1048	512
35°	180	183	172	171	144	122
45°	47	59	59	59	48	33
55°	8	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°	8583.4	8583.4	8583.4	8583.4	8583.4
2.5°	8526.5	8520.6	8524.0	8528.1	8529.9
5°	8305.2	8297.2	8295.5	8312.8	8305.7
7.5°	7858.9	7847.6	7830.3	7869.5	7906.1
10°	7111.4	7098.7	7061.2	7079.8	7109.7
12.5°	6007.7	5966.8	5966.0	6025.0	6017.0
15°	4550.8	4496.1	4526.4	4511.6	4503.7
17.5°	3060.3	3039.2	3079.7	3067.5	3014.8
20°	2201.4	2206.9	2284.1	2245.3	2198.5
22.5°	1606.4	1626.3	1717.7	1617.8	1581.2
25°	1069.5	1110.0	1206.1	1081.8	1047.6
27.5°	657.8	676.4	773.7	649.4	630.9
30°	409.2	399.9	445.9	382.6	356.5
32.5°	268.4	256.6	271.4	243.6	222.5
35°	179.5	183.3	171.9	170.7	144.1
37.5°	112.1	129.0	113.8	121.4	92.7
40°	72.5	93.6	80.5	88.9	68.3
42.5°	59.4	72.1	66.2	70.4	60.7
45°	47.2	58.6	58.6	58.6	47.6
47.5°	26.1	39.2	50.1	40.0	27.8
50°	14.7	19.8	38.8	20.6	15.6
52.5°	10.1	11.4	26.5	11.8	10.5
55°	7.6	8.0	14.3	8.4	8.0
57.5°	5.9	6.3	7.6	6.3	5.9
60°	4.6	4.6	5.5	5.0	4.6
62.5°	3.4	3.4	3.8	3.4	3.4
65°	2.5	2.5	2.5	2.5	2.5
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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