

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: P763002

Luminaire Tested: LD6D25D010-EU6DR2015309050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR2015309050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3010.6 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' 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

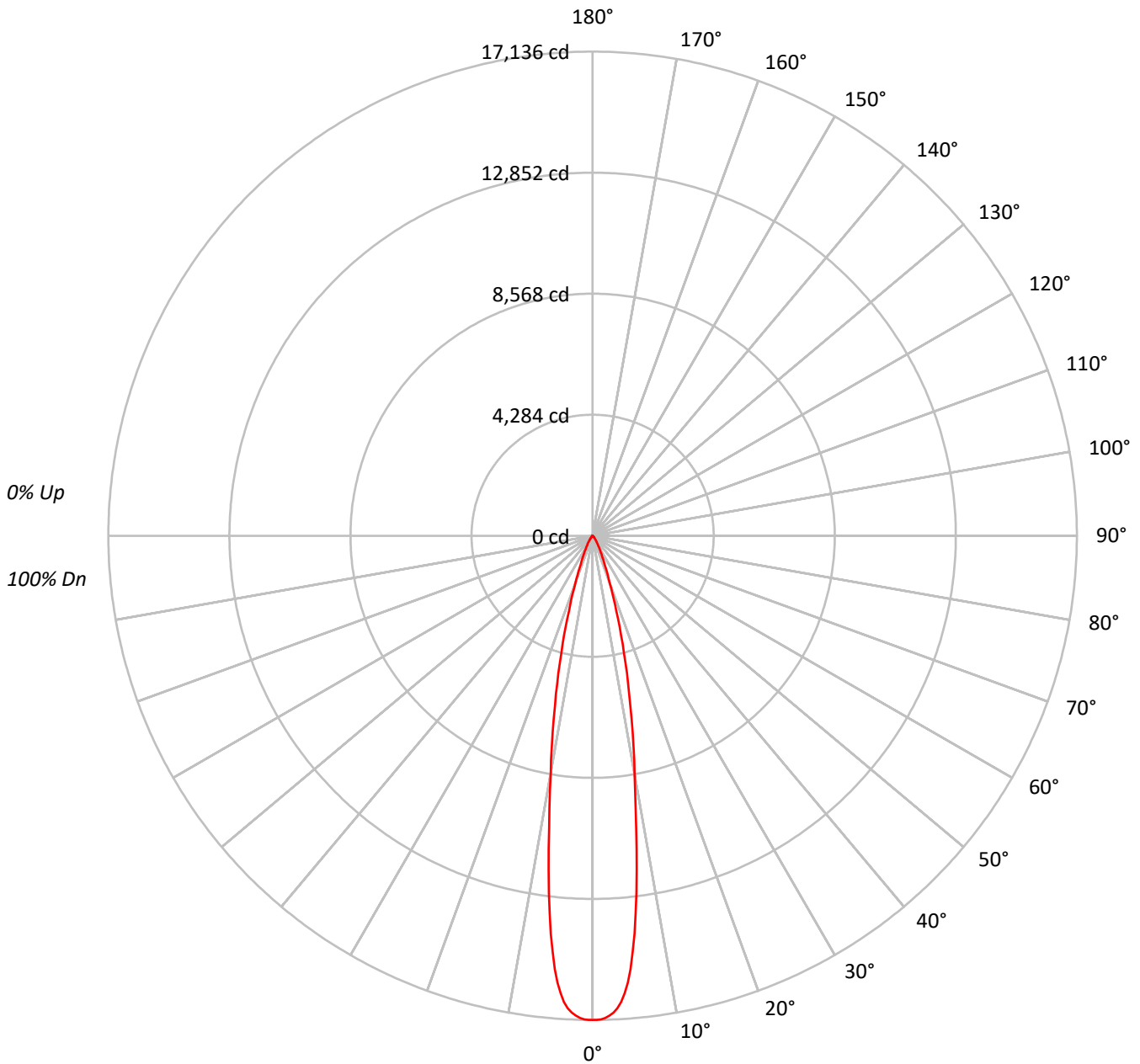


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
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	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77		
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1872270
5°	1689131
10°	948036
15°	481904
20°	204036
25°	94190
30°	49860
35°	26863
40°	14363
45°	8483
50°	4929
55°	2610
60°	1661
65°	1189
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8483 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.0	40.5
10°-20°	1201.3	39.9
20°-30°	392.5	13.0
30°-40°	133.6	4.4
40°-50°	44.9	1.5
50°-60°	13.5	0.4
60°-70°	4.5	0.1
70°-80°	0.2	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°	2813.9	93.5
0°-40°	2947.5	97.9
0°-60°	3005.9	99.8
0°-90°	3010.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17136	
5°	15401	###
15°	4260	1201
25°	781	392
35°	201	134
45°	55	45
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17135.8
0.5°	17135.8
1°	17114.4
1.5°	17071.7
2°	16993.8
2.5°	16890.1
3°	16743.6
3.5°	16539.1
4°	16235.5
4.5°	15866.2
5°	15400.8
5.5°	14788.9
6°	14161.8
6.5°	13443.1
7°	12739.7
7.5°	11915.7
8°	11180.2
8.5°	10440.1
9°	9756.5
9.5°	9129.4
10°	8545.0
12.5°	6135.6
15°	4260.3
17.5°	2783.2
20°	1754.8
22.5°	1136.8
25°	781.3
27.5°	549.3
30°	395.2
32.5°	283.8
35°	201.4
37.5°	140.4
40°	100.7
42.5°	73.2
45°	54.9
47.5°	42.7
50°	29.0
52.5°	18.3
55°	13.7
57.5°	10.7
60°	7.6
62.5°	6.1
65°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180°

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67.5°		3.1
70°		1.5

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Scaled Data Report



(END OF REPORT)