

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: P763585

Luminaire Tested: LD6D25D010-EU6DR6020359027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P763585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR6020359027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2197.6 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



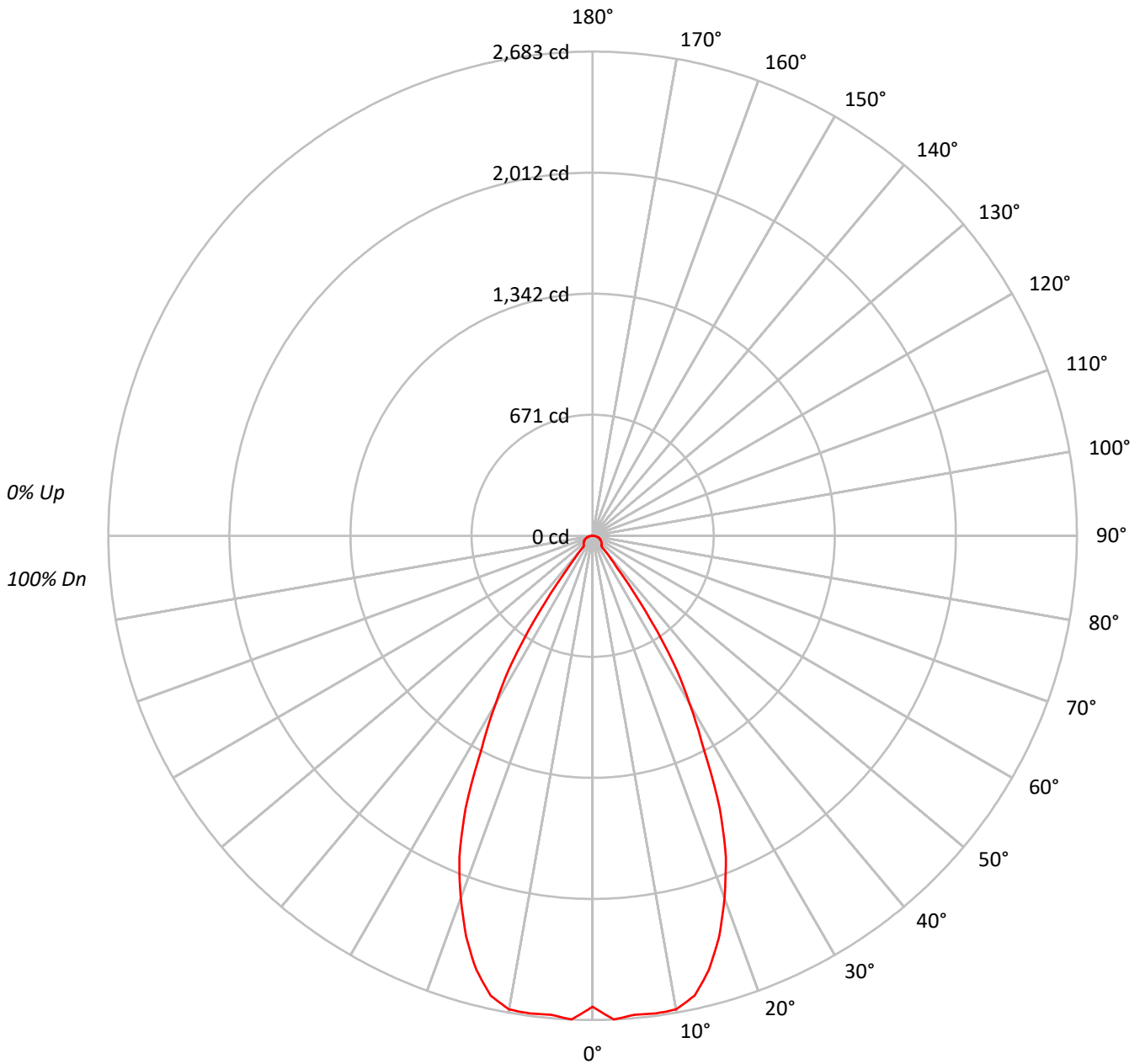
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	285149
5°	292172
10°	295705
15°	281690
20°	248370
25°	200882
30°	135878
35°	68092
40°	11054
45°	10816
50°	11032
55°	11201
60°	11516
65°	11763
70°	12044
75°	12200
80°	11766
85°	9778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12200 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	11.6
10°-20°	688.8	31.3
20°-30°	741.1	33.7
30°-40°	322.2	14.7
40°-50°	54.1	2.5
50°-60°	52.6	2.4
60°-70°	45.0	2.0
70°-80°	30.1	1.4
80°-90°	9.0	0.4
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°	1684.6	76.7
0°-40°	2006.7	91.3
0°-60°	2113.5	96.2
0°-90°	2197.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2197.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2610	
5°	2664	255
15°	2490	689
25°	1666	741
35°	510	322
45°	70	54
55°	59	53
65°	46	45
75°	29	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2609.8
2.5°	2683.2
5°	2663.9
7.5°	2670.0
10°	2665.3
12.5°	2610.2
15°	2490.3
17.5°	2329.3
20°	2136.1
22.5°	1929.2
25°	1666.3
27.5°	1332.8
30°	1077.0
32.5°	830.1
35°	510.5
37.5°	218.4
40°	77.5
42.5°	71.3
45°	70.0
47.5°	67.6
50°	64.9
52.5°	61.8
55°	58.8
57.5°	55.7
60°	52.7
62.5°	49.3
65°	45.5
67.5°	41.8
70°	37.7
72.5°	33.3
75°	28.9
77.5°	23.8
80°	18.7
82.5°	13.2
85°	7.8
87.5°	2.7
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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— 0°-180°

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(END OF REPORT)