

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: P763612

Luminaire Tested: LD6D25D010-EU6DR6020359035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P763612
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-EU6DR6020359035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2698.3 lumens
Efficiency: N/A
Efficacy: 107.5 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



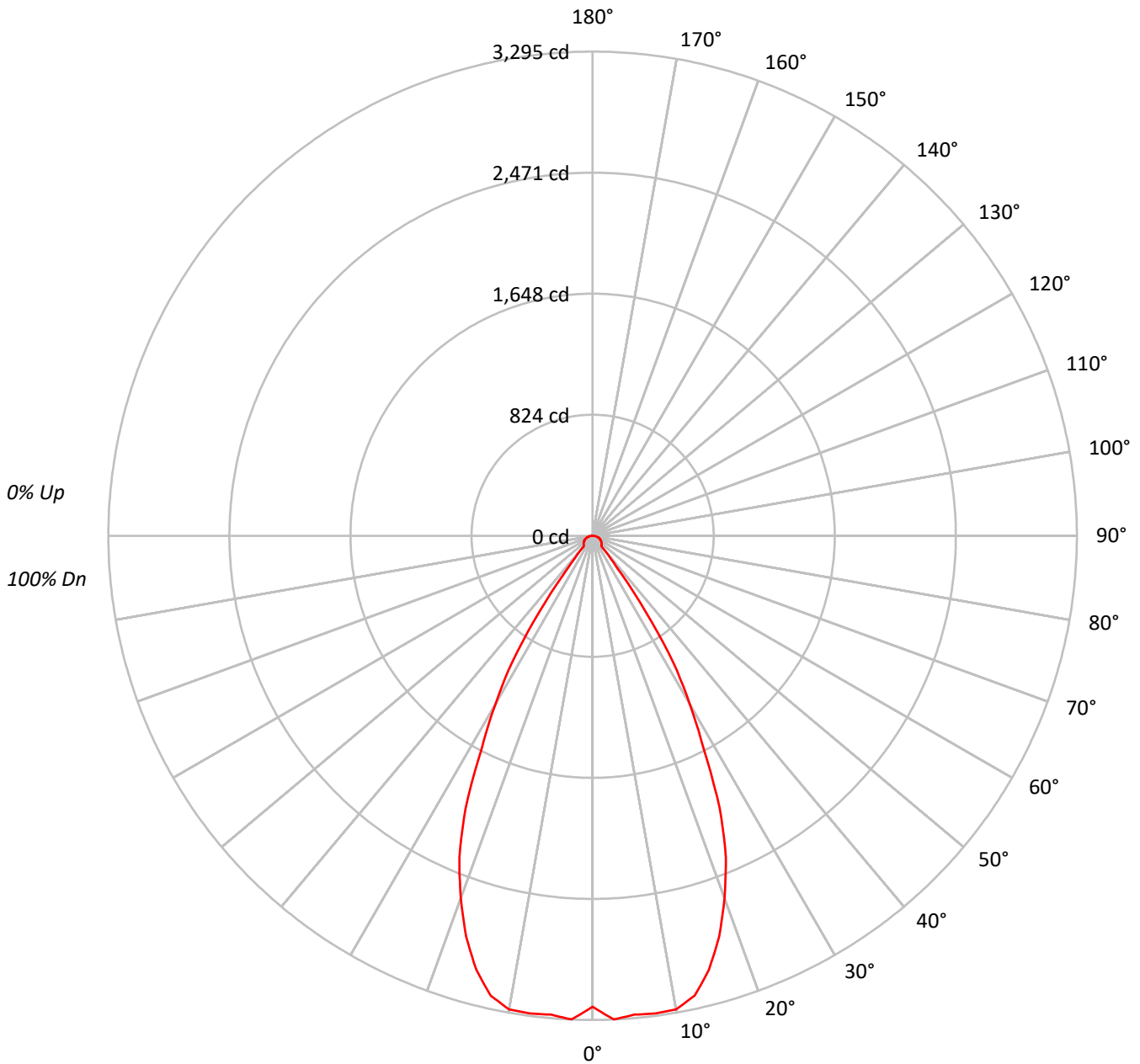
Downlight



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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°	350148
5°	358757
10°	363083
15°	345883
20°	304972
25°	246669
30°	166851
35°	83604
40°	13564
45°	13273
50°	13530
55°	13734
60°	14116
65°	14452
70°	14791
75°	14986
80°	14409
85°	12035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.6	11.6
10°-20°	845.8	31.3
20°-30°	910.0	33.7
30°-40°	395.6	14.7
40°-50°	66.4	2.5
50°-60°	64.6	2.4
60°-70°	55.2	2.0
70°-80°	37.0	1.4
80°-90°	11.1	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°	2068.5	76.7
0°-40°	2464.0	91.3
0°-60°	2595.1	96.2
0°-90°	2698.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2698.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3205	
5°	3271	313
15°	3058	846
25°	2046	910
35°	627	396
45°	86	66
55°	72	65
65°	56	55
75°	36	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3204.7
2.5°	3294.8
5°	3271.0
7.5°	3278.5
10°	3272.6
12.5°	3205.1
15°	3057.8
17.5°	2860.2
20°	2622.9
22.5°	2368.9
25°	2046.1
27.5°	1636.5
30°	1322.5
32.5°	1019.3
35°	626.8
37.5°	268.1
40°	95.1
42.5°	87.6
45°	85.9
47.5°	83.0
50°	79.6
52.5°	75.9
55°	72.1
57.5°	68.4
60°	64.6
62.5°	60.4
65°	55.9
67.5°	51.3
70°	46.3
72.5°	40.9
75°	35.5
77.5°	29.2
80°	22.9
82.5°	16.3
85°	9.6
87.5°	3.3
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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(END OF REPORT)