

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: P763768

Luminaire Tested: LD6D25D010-EU6DR7020359035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P763768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR7020359035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2485.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): 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



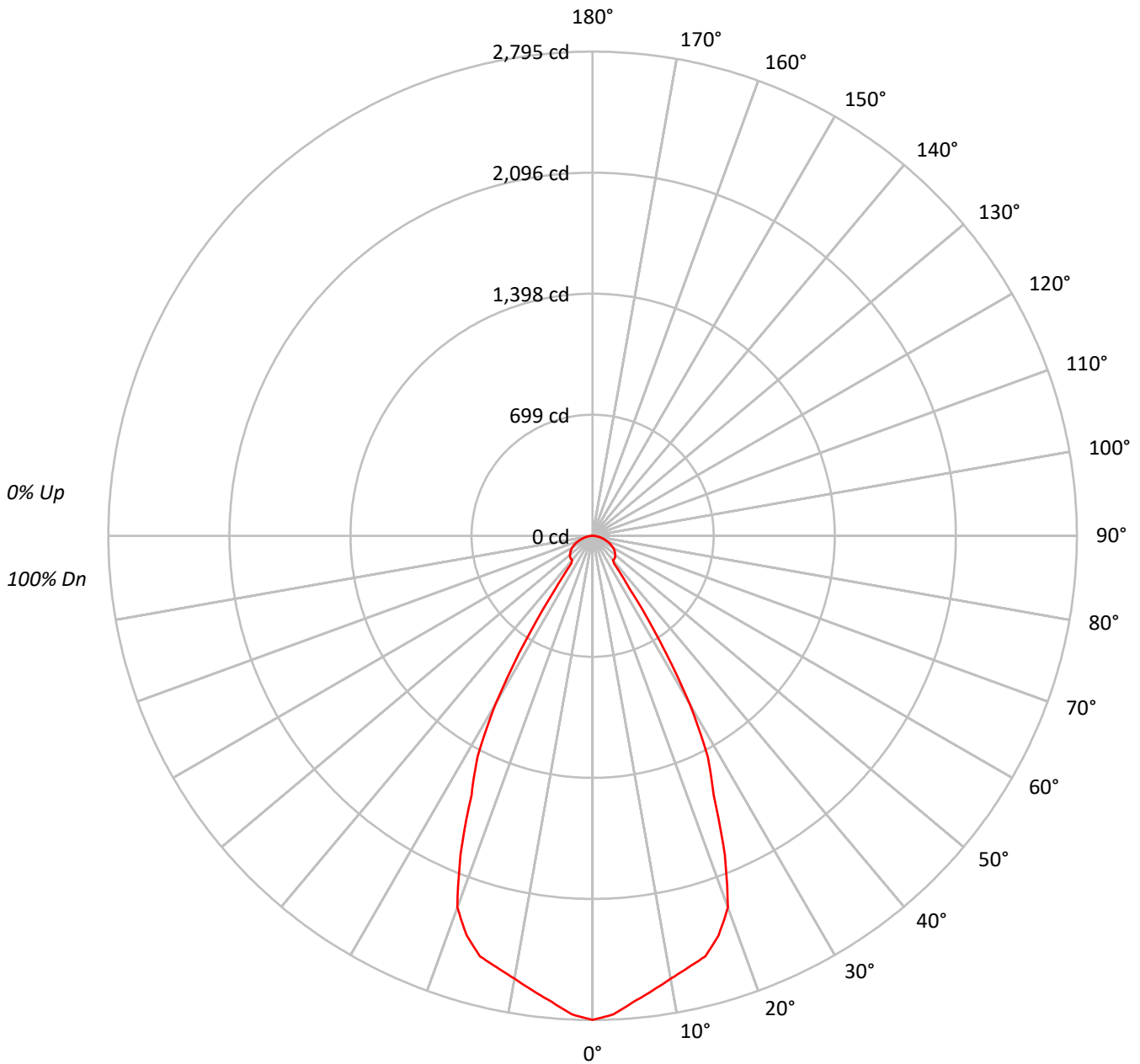
Downlight



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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																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305351
5°	296273
10°	288017
15°	284236
20°	265428
25°	199399
30°	140962
35°	49939
40°	26258
45°	27968
50°	28948
55°	29507
60°	29675
65°	29059
70°	27409
75°	25413
80°	22589
85°	18303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 29689 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	10.3
10°-20°	698.9	28.1
20°-30°	769.7	31.0
30°-40°	294.1	11.8
40°-50°	138.9	5.6
50°-60°	138.0	5.6
60°-70°	110.5	4.4
70°-80°	63.5	2.6
80°-90°	17.3	0.7
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°	1723.4	69.3
0°-40°	2017.5	81.2
0°-60°	2294.4	92.3
0°-90°	2485.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2485.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2795	
5°	2701	255
15°	2513	699
25°	1654	770
35°	374	294
45°	181	139
55°	155	138
65°	112	111
75°	60	64
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2794.7
2.5°	2765.5
5°	2701.3
7.5°	2647.8
10°	2596.0
12.5°	2552.3
15°	2512.8
17.5°	2417.7
20°	2282.8
22.5°	1991.6
25°	1654.0
27.5°	1439.8
30°	1117.3
32.5°	721.7
35°	374.4
37.5°	202.2
40°	184.1
42.5°	182.8
45°	181.0
47.5°	177.0
50°	170.3
52.5°	162.8
55°	154.9
57.5°	146.0
60°	135.8
62.5°	124.3
65°	112.4
67.5°	99.1
70°	85.8
72.5°	72.6
75°	60.2
77.5°	47.3
80°	35.9
82.5°	25.2
85°	14.6
87.5°	5.7
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)