

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: P763754

Luminaire Tested: LD6D25D010-EU6DR7020359030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P763754
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-EU6DR7020359030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 70.4 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 (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



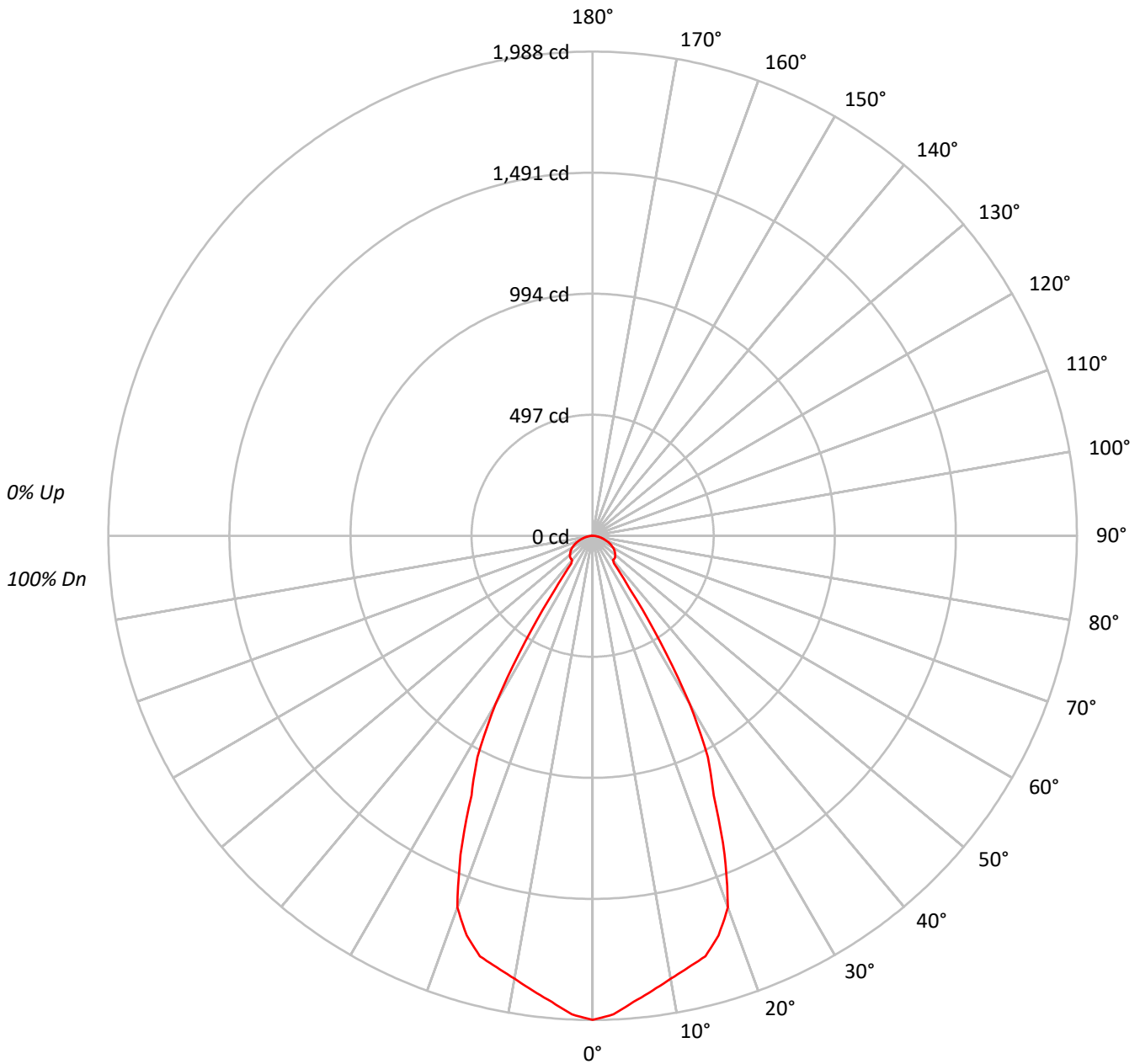
Downlight



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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																			
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°	217178
5°	210725
10°	204851
15°	202171
20°	188781
25°	141822
30°	100249
35°	35520
40°	18670
45°	19886
50°	20602
55°	20992
60°	21109
65°	20657
70°	19519
75°	18068
80°	16045
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 21128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	10.2
10°-20°	497.1	28.1
20°-30°	547.5	31.0
30°-40°	209.2	11.8
40°-50°	98.8	5.6
50°-60°	98.2	5.6
60°-70°	78.6	4.4
70°-80°	45.2	2.6
80°-90°	12.3	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°	1225.8	69.3
0°-40°	1434.9	81.2
0°-60°	1631.9	92.3
0°-90°	1768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1988	
5°	1921	181
15°	1787	497
25°	1176	547
35°	266	209
45°	129	99
55°	110	98
65°	80	79
75°	43	45
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1987.7
2.5°	1966.9
5°	1921.3
7.5°	1883.2
10°	1846.4
12.5°	1815.3
15°	1787.3
17.5°	1719.6
20°	1623.6
22.5°	1416.5
25°	1176.4
27.5°	1024.1
30°	794.6
32.5°	513.3
35°	266.3
37.5°	143.8
40°	130.9
42.5°	130.0
45°	128.7
47.5°	125.9
50°	121.2
52.5°	115.8
55°	110.2
57.5°	103.9
60°	96.6
62.5°	88.4
65°	79.9
67.5°	70.5
70°	61.1
72.5°	51.6
75°	42.8
77.5°	33.7
80°	25.5
82.5°	17.9
85°	10.4
87.5°	4.1
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)