

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: P760823

Luminaire Tested: LD6D10D010-EU6DR700210IC9030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760823
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: LD6D10D010-EU6DR700210IC9030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 863.1 lumens
Efficiency: N/A
Efficacy: 73.8 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): 11.7
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

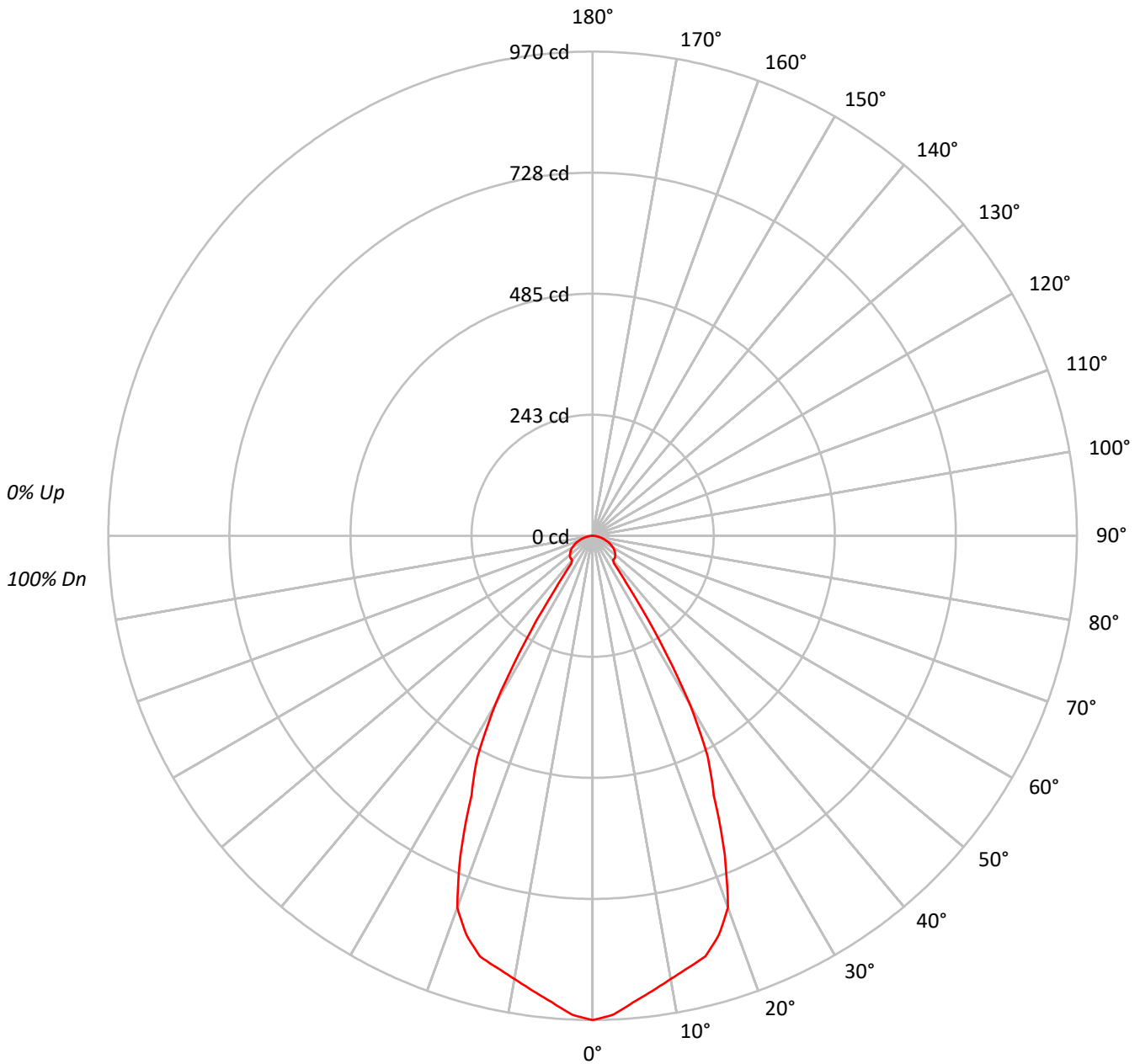


Downlight



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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	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°	106016
5°	102867
10°	100007
15°	98693
20°	92158
25°	69235
30°	48939
35°	17340
40°	9114
45°	9719
50°	10046
55°	10248
60°	10314
65°	10083
70°	9520
75°	8823
80°	7802
85°	6268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 10314 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	10.3
10°-20°	242.7	28.1
20°-30°	267.3	31.0
30°-40°	102.1	11.8
40°-50°	48.2	5.6
50°-60°	48.0	5.6
60°-70°	38.4	4.4
70°-80°	22.0	2.6
80°-90°	6.0	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°	598.4	69.3
0°-40°	700.5	81.2
0°-60°	796.7	92.3
0°-90°	863.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	970	
5°	938	88
15°	872	243
25°	574	267
35°	130	102
45°	63	48
55°	54	48
65°	39	38
75°	21	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	970.3
2.5°	960.2
5°	937.9
7.5°	919.4
10°	901.4
12.5°	886.2
15°	872.5
17.5°	839.4
20°	792.6
22.5°	691.5
25°	574.3
27.5°	499.9
30°	387.9
32.5°	250.6
35°	130.0
37.5°	70.2
40°	63.9
42.5°	63.4
45°	62.9
47.5°	61.5
50°	59.1
52.5°	56.6
55°	53.8
57.5°	50.7
60°	47.2
62.5°	43.1
65°	39.0
67.5°	34.4
70°	29.8
72.5°	25.2
75°	20.9
77.5°	16.4
80°	12.4
82.5°	8.8
85°	5.0
87.5°	2.0
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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— 0°-180°

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(END OF REPORT)