

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: P770951

Luminaire Tested: LD6D70BD010-EU6DR7070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770951
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: LD6D70BD010-EU6DR7070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6731.8 lumens
Efficiency: N/A
Efficacy: 101.1 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): 66.6
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

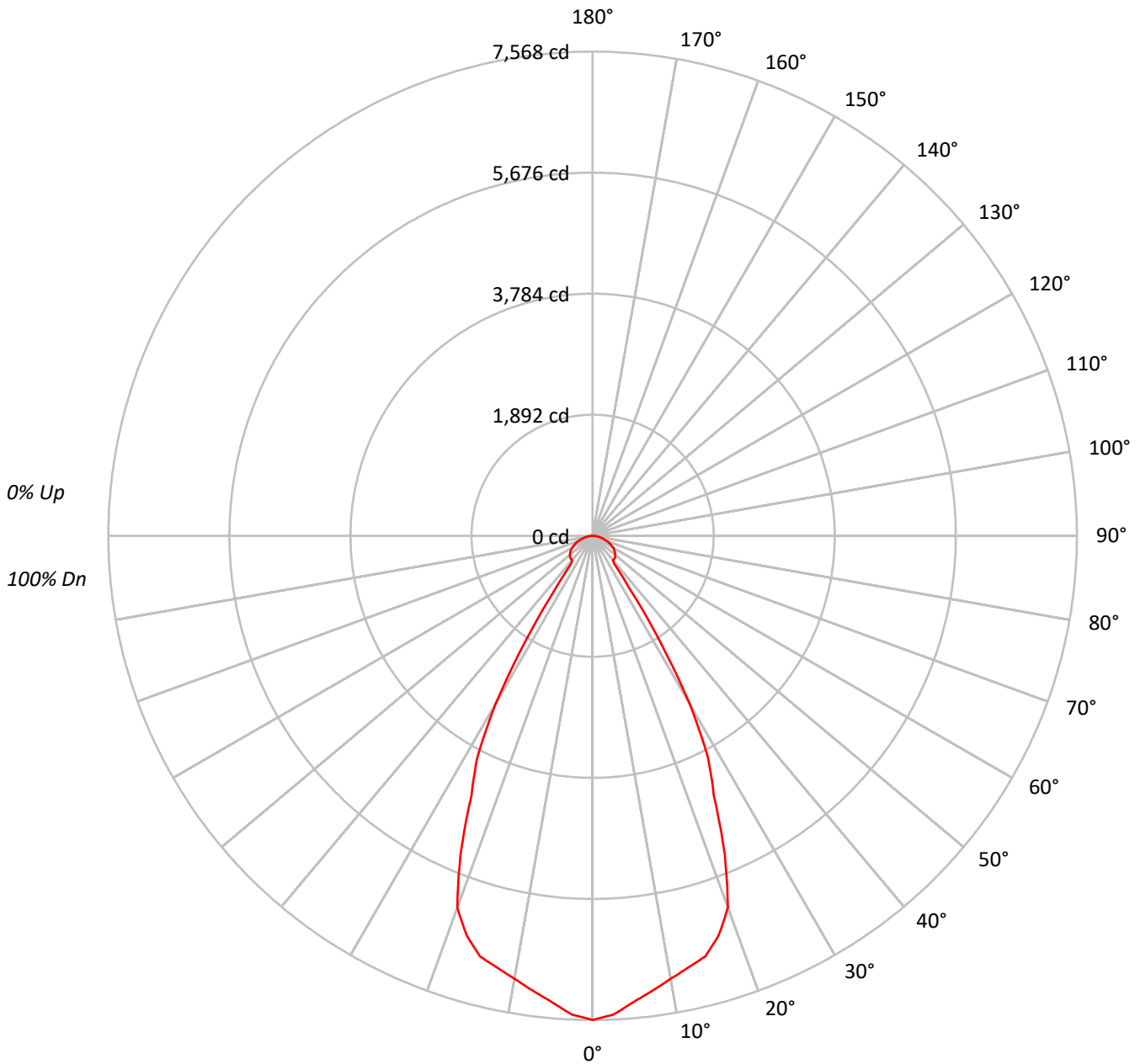


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	826940
5°	802361
10°	779997
15°	769771
20°	718799
25°	540006
30°	381733
35°	135223
40°	71101
45°	75729
50°	78412
55°	79892
60°	80394
65°	78697
70°	74274
75°	68811
80°	61096
85°	49518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 80405 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.0	10.3
10°-20°	1892.7	28.1
20°-30°	2084.6	31.0
30°-40°	796.4	11.8
40°-50°	376.1	5.6
50°-60°	373.9	5.6
60°-70°	299.3	4.4
70°-80°	172.0	2.6
80°-90°	46.8	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°	4667.3	69.3
0°-40°	5463.7	81.2
0°-60°	6213.6	92.3
0°-90°	6731.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6731.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7568	
5°	7316	690
15°	6805	1893
25°	4479	2085
35°	1014	796
45°	490	376
55°	419	374
65°	304	299
75°	163	172
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7568.5
2.5°	7489.4
5°	7315.6
7.5°	7170.6
10°	7030.4
12.5°	6911.8
15°	6805.2
17.5°	6547.5
20°	6182.0
22.5°	5393.6
25°	4479.3
27.5°	3899.3
30°	3025.7
32.5°	1954.4
35°	1013.8
37.5°	547.6
40°	498.5
42.5°	494.9
45°	490.1
47.5°	479.3
50°	461.3
52.5°	441.0
55°	419.4
57.5°	395.4
60°	367.9
62.5°	336.7
65°	304.4
67.5°	268.4
70°	232.5
72.5°	196.5
75°	163.0
77.5°	128.2
80°	97.1
82.5°	68.3
85°	39.5
87.5°	15.6
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)