

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: P773928

Luminaire Tested: LD6D90BD010-EU6DR6070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773928
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: LD6D90BD010-EU6DR6070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10561.1 lumens
Efficiency: N/A
Efficacy: 106.8 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): 98.9
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

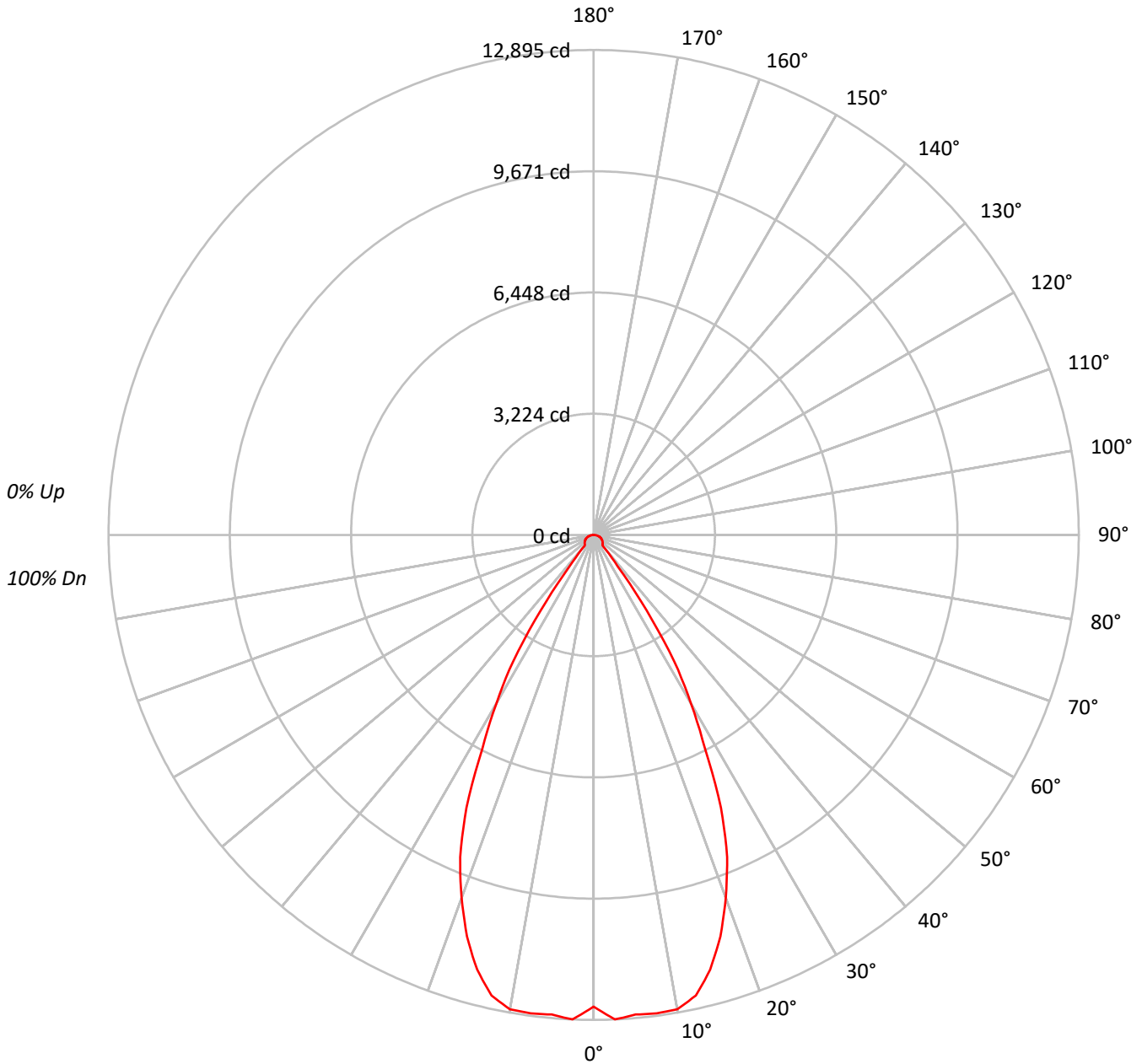


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1370414
5°	1404110
10°	1421078
15°	1353761
20°	1193599
25°	965424
30°	653022
35°	327228
40°	53087
45°	51964
50°	53000
55°	53794
60°	55286
65°	56541
70°	57886
75°	58552
80°	56503
85°	47011

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 58552 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1223.6	11.6
10°-20°	3310.4	31.3
20°-30°	3561.7	33.7
30°-40°	1548.2	14.7
40°-50°	260.0	2.5
50°-60°	252.9	2.4
60°-70°	216.3	2.0
70°-80°	144.7	1.4
80°-90°	43.3	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°	8095.7	76.7
0°-40°	9643.9	91.3
0°-60°	10156.8	96.2
0°-90°	10561.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10561.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12543	
5°	12802	###
15°	11968	3310
25°	8008	3562
35°	2453	1548
45°	336	260
55°	282	253
65°	219	216
75°	139	145
85°	38	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12542.6
2.5°	12895.2
5°	12802.1
7.5°	12831.5
10°	12808.7
12.5°	12544.2
15°	11968.0
17.5°	11194.3
20°	10265.5
22.5°	9271.5
25°	8008.1
27.5°	6405.1
30°	5176.0
32.5°	3989.3
35°	2453.3
37.5°	1049.6
40°	372.2
42.5°	342.8
45°	336.3
47.5°	324.8
50°	311.8
52.5°	297.1
55°	282.4
57.5°	267.7
60°	253.0
62.5°	236.7
65°	218.7
67.5°	200.8
70°	181.2
72.5°	160.0
75°	138.7
77.5°	114.3
80°	89.8
82.5°	63.7
85°	37.5
87.5°	13.1
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)