

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: P773941

Luminaire Tested: LD6D90BD010-EU6DR6570959024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7071.4 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

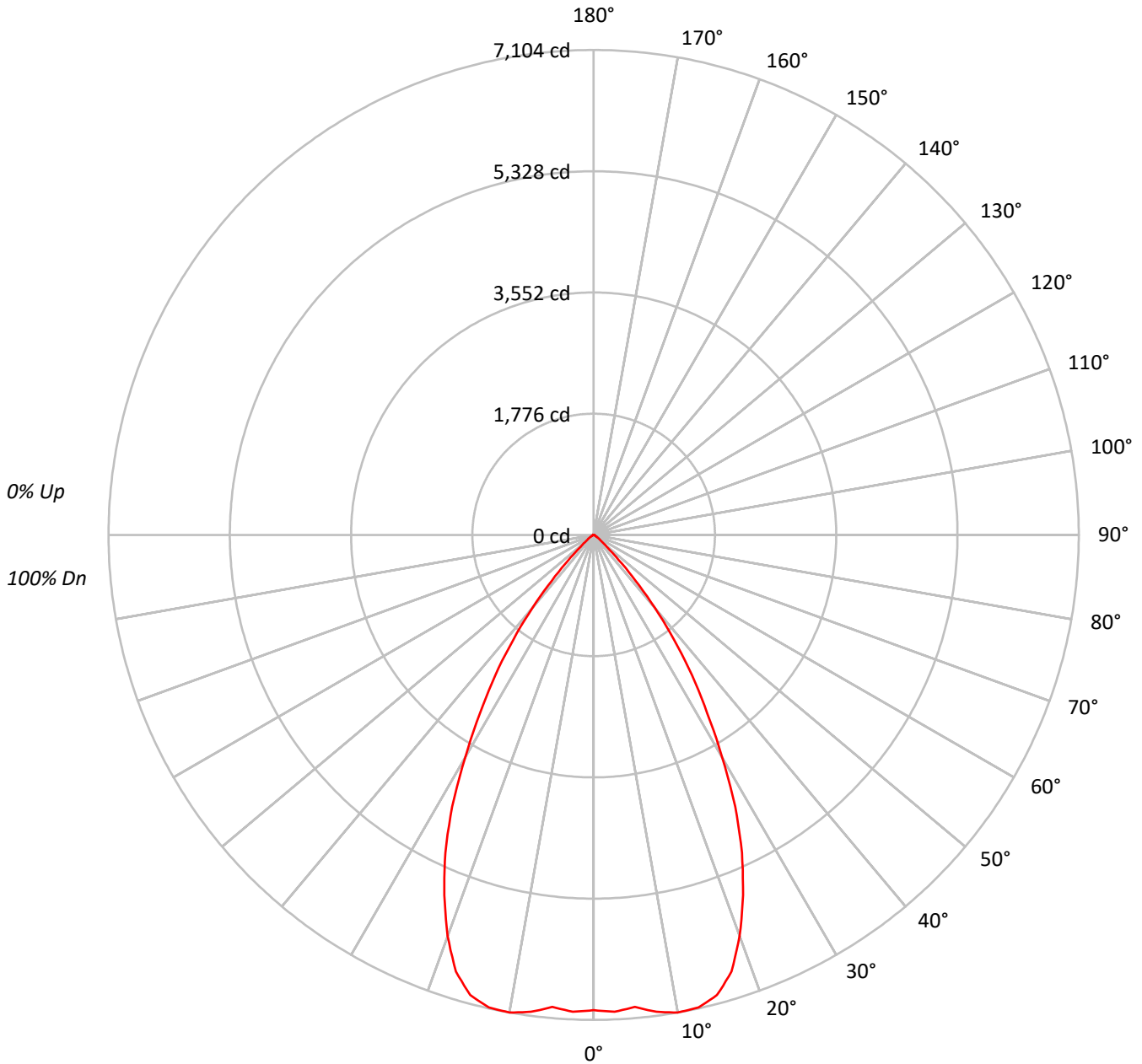


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	760706
5°	761342
10°	788140
15°	789453
20°	726822
25°	619284
30°	474084
35°	334937
40°	197699
45°	80257
50°	29101
55°	16211
60°	9287
65°	5119
70°	5367
75°	4179
80°	4342
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80257 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.4	9.5
10°-20°	1933.8	27.3
20°-30°	2320.2	32.8
30°-40°	1559.3	22.1
40°-50°	466.8	6.6
50°-60°	82.4	1.2
60°-70°	23.4	0.3
70°-80°	11.5	0.2
80°-90°	3.6	0.1
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°	4924.5	69.6
0°-40°	6483.8	91.7
0°-60°	7032.9	99.5
0°-90°	7071.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7071.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6962	
5°	6942	670
15°	6979	1934
25°	5137	2320
35°	2511	1559
45°	519	467
55°	85	82
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6962.3
2.5°	6992.0
5°	6941.6
7.5°	7046.4
10°	7103.8
12.5°	7090.0
15°	6979.2
17.5°	6708.1
20°	6251.0
22.5°	5712.7
25°	5136.9
27.5°	4486.9
30°	3757.7
32.5°	3096.8
35°	2511.1
37.5°	1932.3
40°	1386.1
42.5°	905.3
45°	519.4
47.5°	275.1
50°	171.2
52.5°	118.7
55°	85.1
57.5°	61.3
60°	42.5
62.5°	27.7
65°	19.8
67.5°	17.8
70°	16.8
72.5°	12.9
75°	9.9
77.5°	8.9
80°	6.9
82.5°	4.9
85°	3.0
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)