

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: P773964

Luminaire Tested: LD6D90BD010-EU6DR6570959030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773964
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-EU6DR6570959030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7124.7 lumens
Efficiency: N/A
Efficacy: 72.0 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

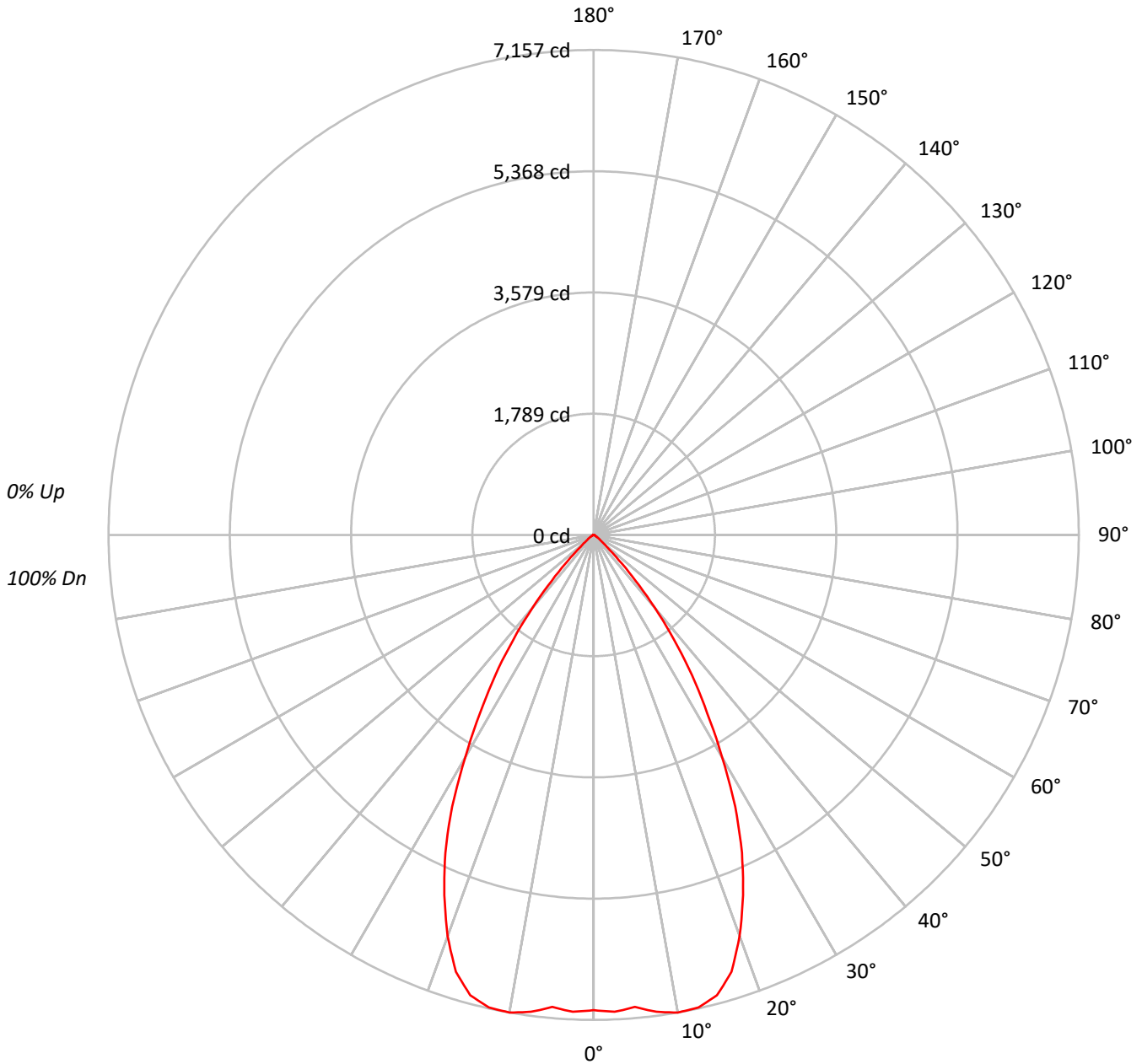


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	766442
5°	767078
10°	794087
15°	795402
20°	732298
25°	623949
30°	477655
35°	337458
40°	199197
45°	80859
50°	29321
55°	16325
60°	9375
65°	5145
70°	5399
75°	4222
80°	4404
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.5	9.5
10°-20°	1948.4	27.3
20°-30°	2337.7	32.8
30°-40°	1571.0	22.1
40°-50°	470.3	6.6
50°-60°	83.0	1.2
60°-70°	23.6	0.3
70°-80°	11.6	0.2
80°-90°	3.7	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°	4961.6	69.6
0°-40°	6532.6	91.7
0°-60°	7085.9	99.5
0°-90°	7124.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7124.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7015	
5°	6994	675
15°	7032	1948
25°	5176	2338
35°	2530	1571
45°	523	470
55°	86	83
65°	20	24
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7014.8
2.5°	7044.7
5°	6993.9
7.5°	7099.6
10°	7157.4
12.5°	7143.4
15°	7031.8
17.5°	6758.6
20°	6298.1
22.5°	5755.8
25°	5175.6
27.5°	4520.7
30°	3786.0
32.5°	3120.1
35°	2530.0
37.5°	1946.8
40°	1396.6
42.5°	912.1
45°	523.3
47.5°	277.1
50°	172.5
52.5°	119.6
55°	85.7
57.5°	61.8
60°	42.9
62.5°	27.9
65°	19.9
67.5°	17.9
70°	16.9
72.5°	13.0
75°	10.0
77.5°	9.0
80°	7.0
82.5°	5.0
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)