

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P772394

Luminaire Tested: LD6D80BD010-EU6DR6570959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772394
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: LD6D80BD010-EU6DR6570959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7092.8 lumens
Efficiency: N/A
Efficacy: 89.9 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): 78.9
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

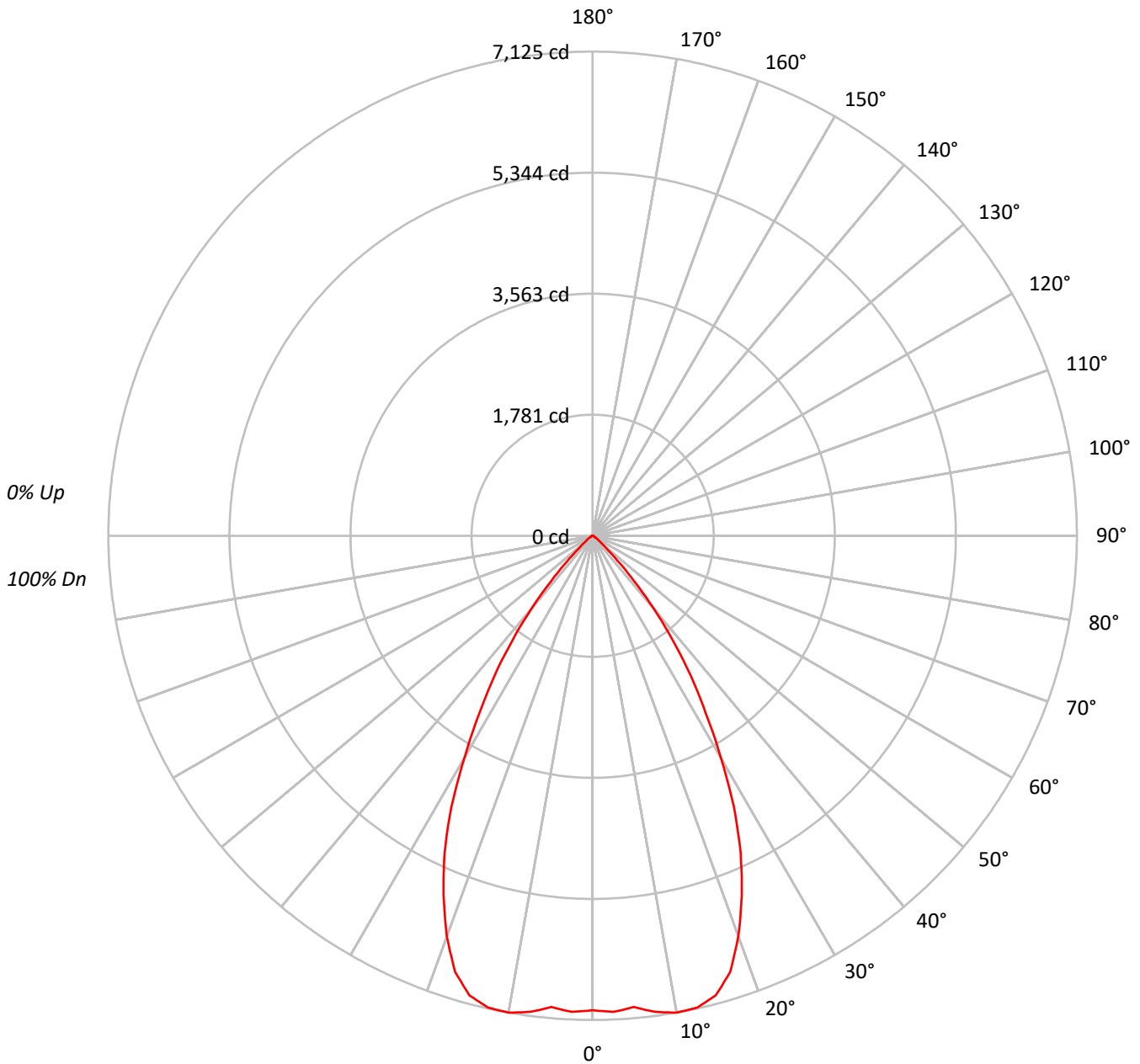


Downlight

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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°	763012
5°	763645
10°	790526
15°	791839
20°	729019
25°	621152
30°	475523
35°	335951
40°	198298
45°	80504
50°	29185
55°	16249
60°	9331
65°	5119
70°	5399
75°	4179
80°	4342
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.4	9.5
10°-20°	1939.7	27.3
20°-30°	2327.3	32.8
30°-40°	1564.0	22.1
40°-50°	468.2	6.6
50°-60°	82.6	1.2
60°-70°	23.5	0.3
70°-80°	11.5	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°	4939.4	69.6
0°-40°	6503.4	91.7
0°-60°	7054.2	99.5
0°-90°	7092.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7092.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6983	
5°	6963	672
15°	7000	1940
25°	5152	2327
35°	2519	1564
45°	521	468
55°	85	83
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6983.4
2.5°	7013.2
5°	6962.6
7.5°	7067.7
10°	7125.3
12.5°	7111.4
15°	7000.3
17.5°	6728.3
20°	6269.9
22.5°	5730.0
25°	5152.4
27.5°	4500.5
30°	3769.1
32.5°	3106.2
35°	2518.7
37.5°	1938.1
40°	1390.3
42.5°	908.0
45°	521.0
47.5°	275.9
50°	171.7
52.5°	119.1
55°	85.3
57.5°	61.5
60°	42.7
62.5°	27.8
65°	19.8
67.5°	17.9
70°	16.9
72.5°	12.9
75°	9.9
77.5°	8.9
80°	6.9
82.5°	5.0
85°	3.0
87.5°	2.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)