

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: P772521

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772521
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: LD6D80BD010-EU6DR7070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6047.3 lumens
Efficiency: N/A
Efficacy: 76.6 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

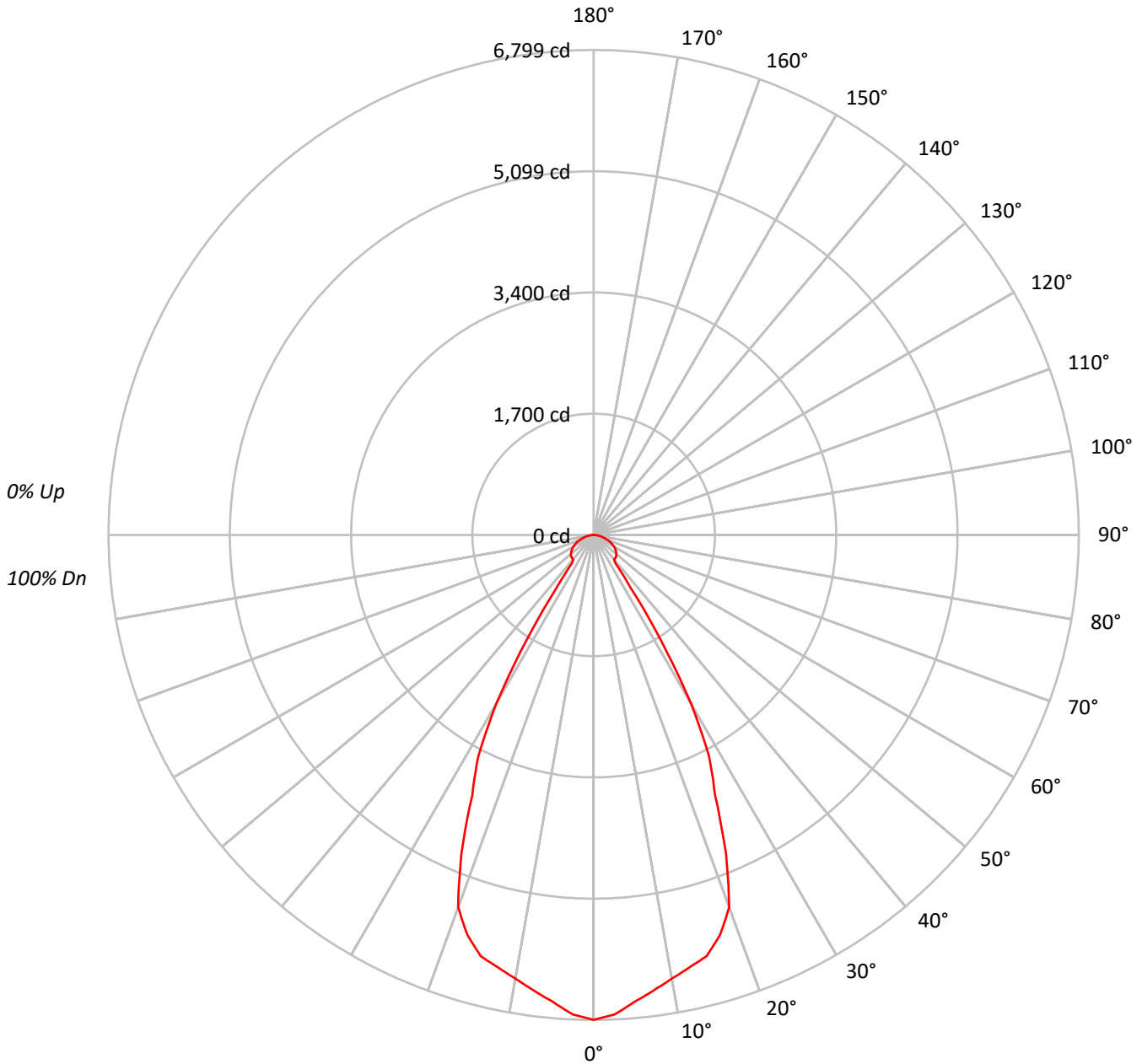
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	742853
5°	720783
10°	700692
15°	691495
20°	645710
25°	485093
30°	342925
35°	121472
40°	63870
45°	68034
50°	70440
55°	71777
60°	72221
65°	70683
70°	66703
75°	61803
80°	54867
85°	44504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 72231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	619.9	10.3
10°-20°	1700.2	28.1
20°-30°	1872.6	31.0
30°-40°	715.5	11.8
40°-50°	337.8	5.6
50°-60°	335.8	5.6
60°-70°	268.9	4.4
70°-80°	154.5	2.6
80°-90°	42.0	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°	4192.7	69.3
0°-40°	4908.2	81.2
0°-60°	5581.8	92.3
0°-90°	6047.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6047.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6799	
5°	6572	620
15°	6113	1700
25°	4024	1873
35°	911	715
45°	440	338
55°	377	336
65°	273	269
75°	146	155
85°	36	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6798.9
2.5°	6727.8
5°	6571.8
7.5°	6441.5
10°	6315.6
12.5°	6209.0
15°	6113.2
17.5°	5881.8
20°	5553.4
22.5°	4845.1
25°	4023.8
27.5°	3502.8
30°	2718.1
32.5°	1755.7
35°	910.7
37.5°	491.9
40°	447.8
42.5°	444.6
45°	440.3
47.5°	430.6
50°	414.4
52.5°	396.1
55°	376.8
57.5°	355.2
60°	330.5
62.5°	302.5
65°	273.4
67.5°	241.1
70°	208.8
72.5°	176.5
75°	146.4
77.5°	115.2
80°	87.2
82.5°	61.4
85°	35.5
87.5°	14.0
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)