

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: P772471

Luminaire Tested: LD6D80BD010-EU6DR7070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772471
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-EU6DR7070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9943.6 lumens
Efficiency: N/A
Efficacy: 126.0 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

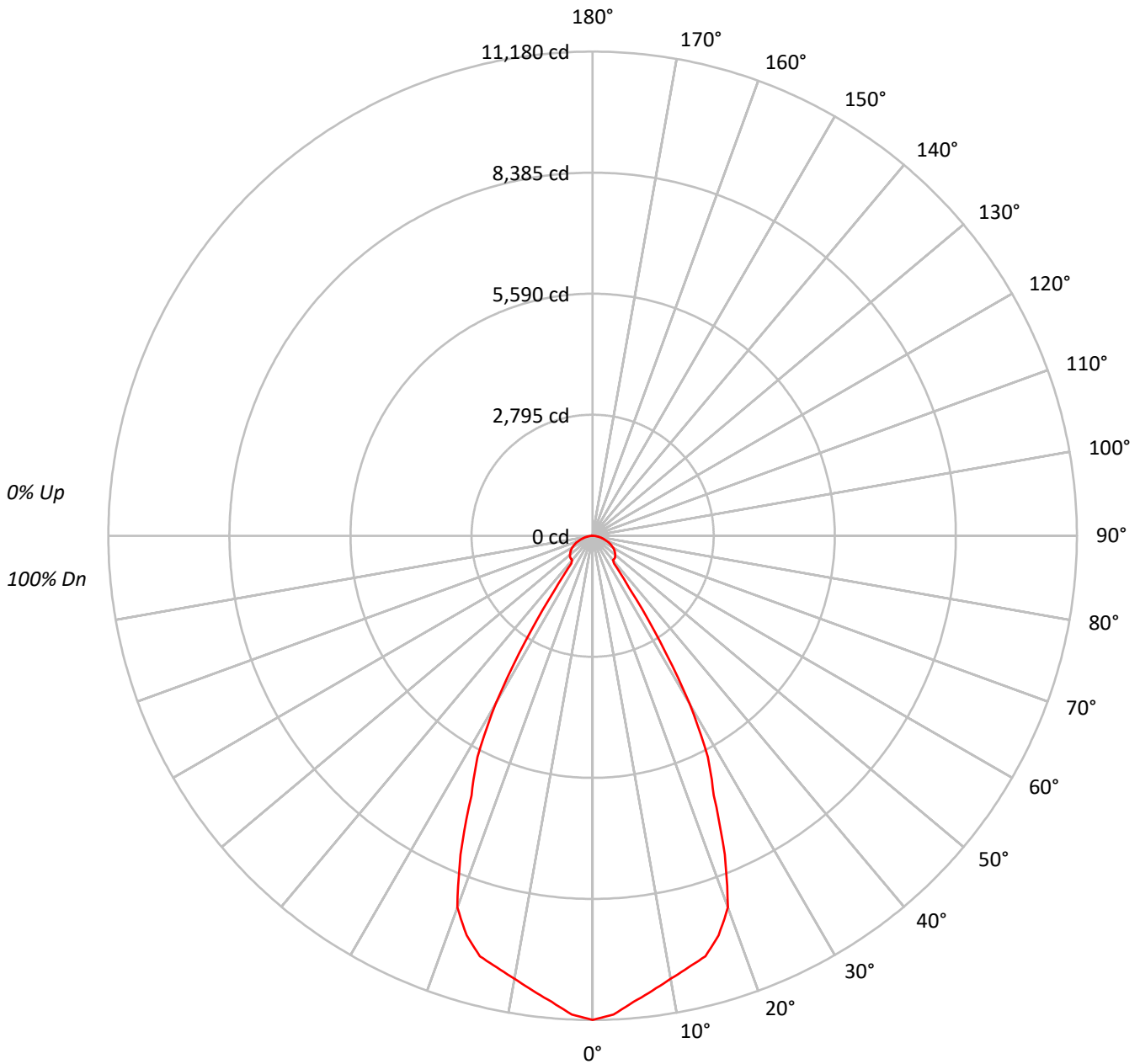
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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
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°	1221481
5°	1185182
10°	1152144
15°	1137033
20°	1061757
25°	797646
30°	563862
35°	199727
40°	105018
45°	111856
50°	115841
55°	118009
60°	118745
65°	116236
70°	109702
75°	101612
80°	90228
85°	73212

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 118778 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1019.2	10.3
10°-20°	2795.7	28.1
20°-30°	3079.1	31.0
30°-40°	1176.4	11.8
40°-50°	555.5	5.6
50°-60°	552.3	5.6
60°-70°	442.2	4.4
70°-80°	254.1	2.6
80°-90°	69.1	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°	6894.1	69.3
0°-40°	8070.5	81.2
0°-60°	9178.2	92.3
0°-90°	9943.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9943.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11180	
5°	10806	###
15°	10052	2796
25°	6616	3079
35°	1497	1176
45°	724	555
55°	620	552
65°	450	442
75°	241	254
85°	58	69
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11179.5
2.5°	11062.7
5°	10806.0
7.5°	10591.8
10°	10384.7
12.5°	10209.5
15°	10052.0
17.5°	9671.4
20°	9131.6
22.5°	7966.9
25°	6616.4
27.5°	5759.7
30°	4469.3
32.5°	2886.9
35°	1497.4
37.5°	808.9
40°	736.3
42.5°	731.0
45°	723.9
47.5°	708.0
50°	681.5
52.5°	651.4
55°	619.5
57.5°	584.1
60°	543.4
62.5°	497.4
65°	449.6
67.5°	396.5
70°	343.4
72.5°	290.3
75°	240.7
77.5°	189.4
80°	143.4
82.5°	100.9
85°	58.4
87.5°	23.0
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)