

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: P772300

Luminaire Tested: LD6D80BD010-EU6DR6070959024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6540.5 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

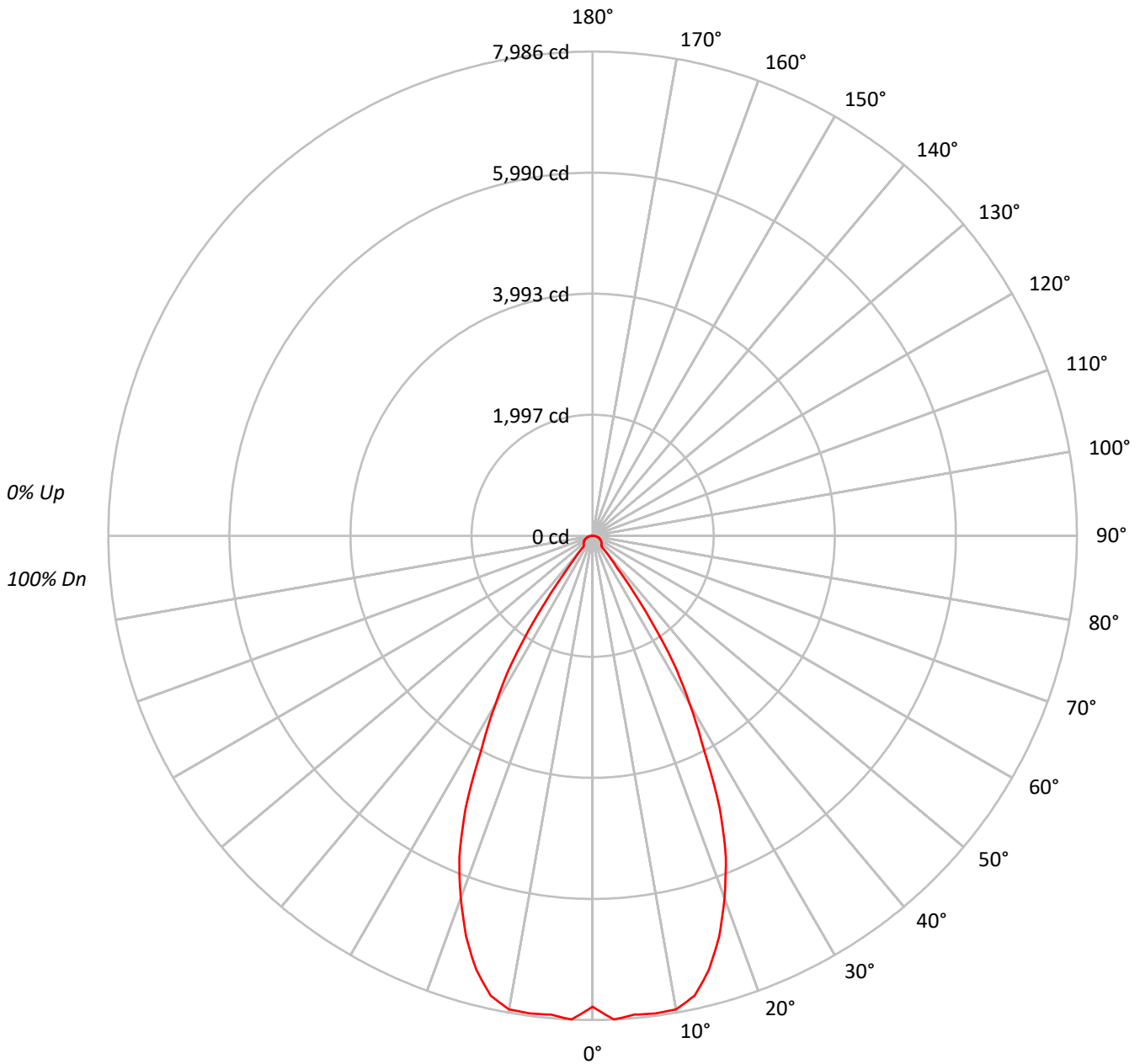
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	848694
5°	869561
10°	880070
15°	838386
20°	739193
25°	597885
30°	404417
35°	202662
40°	32876
45°	32171
50°	32823
55°	33317
60°	34242
65°	35031
70°	35843
75°	36263
80°	34984
85°	29209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 36263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.7	11.6
10°-20°	2050.1	31.3
20°-30°	2205.8	33.7
30°-40°	958.8	14.7
40°-50°	161.0	2.5
50°-60°	156.6	2.4
60°-70°	133.9	2.0
70°-80°	89.6	1.4
80°-90°	26.8	0.4
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°	5013.7	76.7
0°-40°	5972.5	91.3
0°-60°	6290.1	96.2
0°-90°	6540.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6540.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7768	
5°	7928	758
15°	7412	2050
25°	4959	2206
35°	1519	959
45°	208	161
55°	175	157
65°	136	134
75°	86	90
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7767.6
2.5°	7986.0
5°	7928.3
7.5°	7946.5
10°	7932.4
12.5°	7768.6
15°	7411.8
17.5°	6932.6
20°	6357.4
22.5°	5741.8
25°	4959.4
27.5°	3966.7
30°	3205.5
32.5°	2470.6
35°	1519.4
37.5°	650.0
40°	230.5
42.5°	212.3
45°	208.2
47.5°	201.2
50°	193.1
52.5°	184.0
55°	174.9
57.5°	165.8
60°	156.7
62.5°	146.6
65°	135.5
67.5°	124.3
70°	112.2
72.5°	99.1
75°	85.9
77.5°	70.8
80°	55.6
82.5°	39.4
85°	23.3
87.5°	8.1
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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