

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: P772329

Luminaire Tested: LD6D80BD010-EU6DR6070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772329
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-EU6DR6070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8777.9 lumens
Efficiency: N/A
Efficacy: 111.3 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

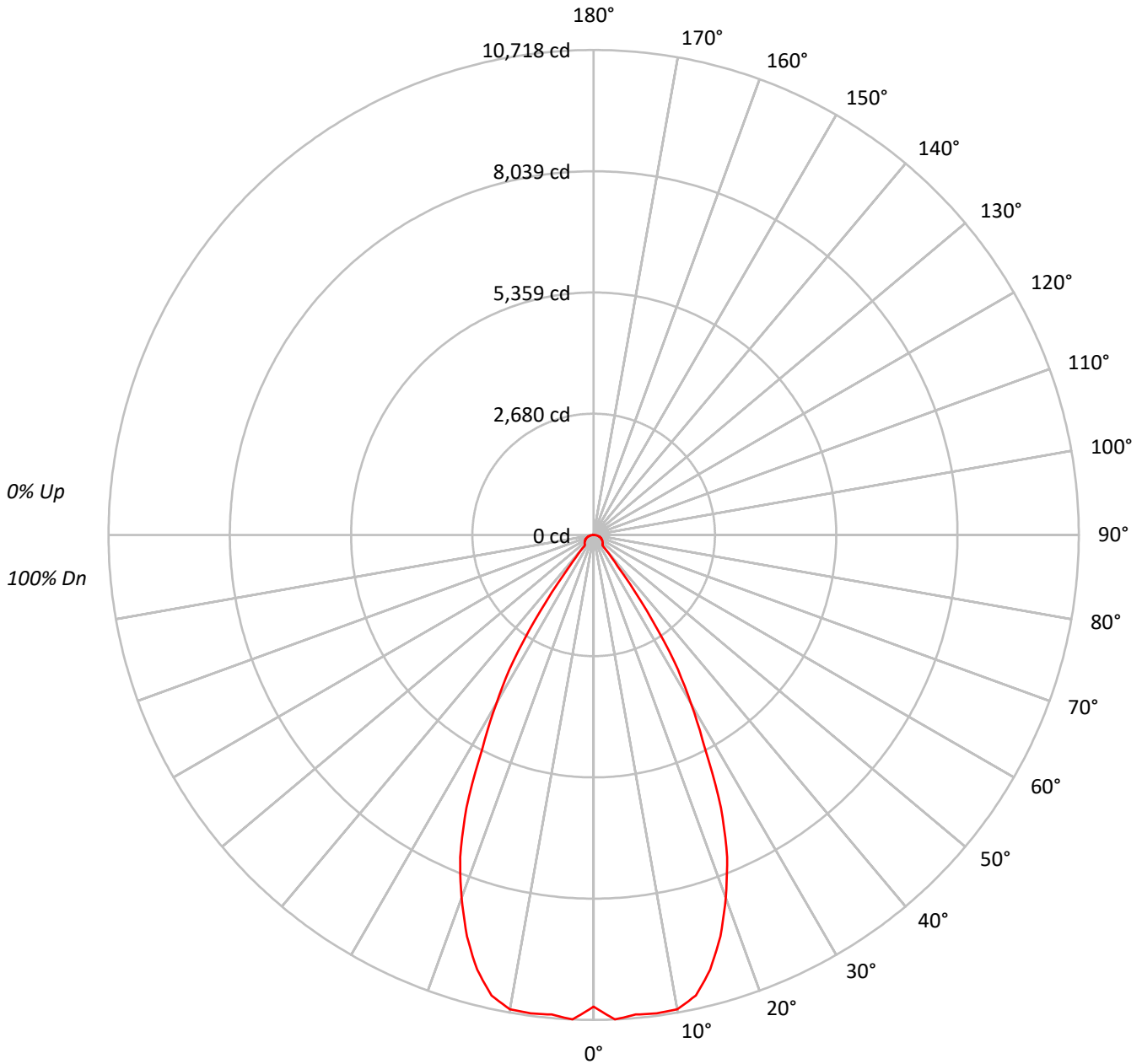
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1139022
5°	1167030
10°	1181123
15°	1125178
20°	992063
25°	802408
30°	542768
35°	271981
40°	44115
45°	43188
50°	44042
55°	44708
60°	45955
65°	47001
70°	48110
75°	48674
80°	46939
85°	39113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 48674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1017.0	11.6
10°-20°	2751.5	31.3
20°-30°	2960.3	33.7
30°-40°	1286.8	14.7
40°-50°	216.1	2.5
50°-60°	210.1	2.4
60°-70°	179.7	2.0
70°-80°	120.3	1.4
80°-90°	36.0	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°	6728.8	76.7
0°-40°	8015.6	91.3
0°-60°	8441.8	96.2
0°-90°	8777.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8777.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10425	
5°	10640	###
15°	9947	2751
25°	6656	2960
35°	2039	1287
45°	280	216
55°	235	210
65°	182	180
75°	115	120
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10424.8
2.5°	10717.8
5°	10640.5
7.5°	10664.9
10°	10645.9
12.5°	10426.2
15°	9947.2
17.5°	9304.2
20°	8532.2
22.5°	7706.0
25°	6655.9
27.5°	5323.6
30°	4302.1
32.5°	3315.7
35°	2039.1
37.5°	872.4
40°	309.3
42.5°	284.9
45°	279.5
47.5°	270.0
50°	259.1
52.5°	246.9
55°	234.7
57.5°	222.5
60°	210.3
62.5°	196.7
65°	181.8
67.5°	166.9
70°	150.6
72.5°	133.0
75°	115.3
77.5°	95.0
80°	74.6
82.5°	52.9
85°	31.2
87.5°	10.9
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)