

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: P772368

Luminaire Tested: LD6D80BD010-EU6DR6070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772368
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-EU6DR6070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9351.3 lumens
Efficiency: N/A
Efficacy: 118.5 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

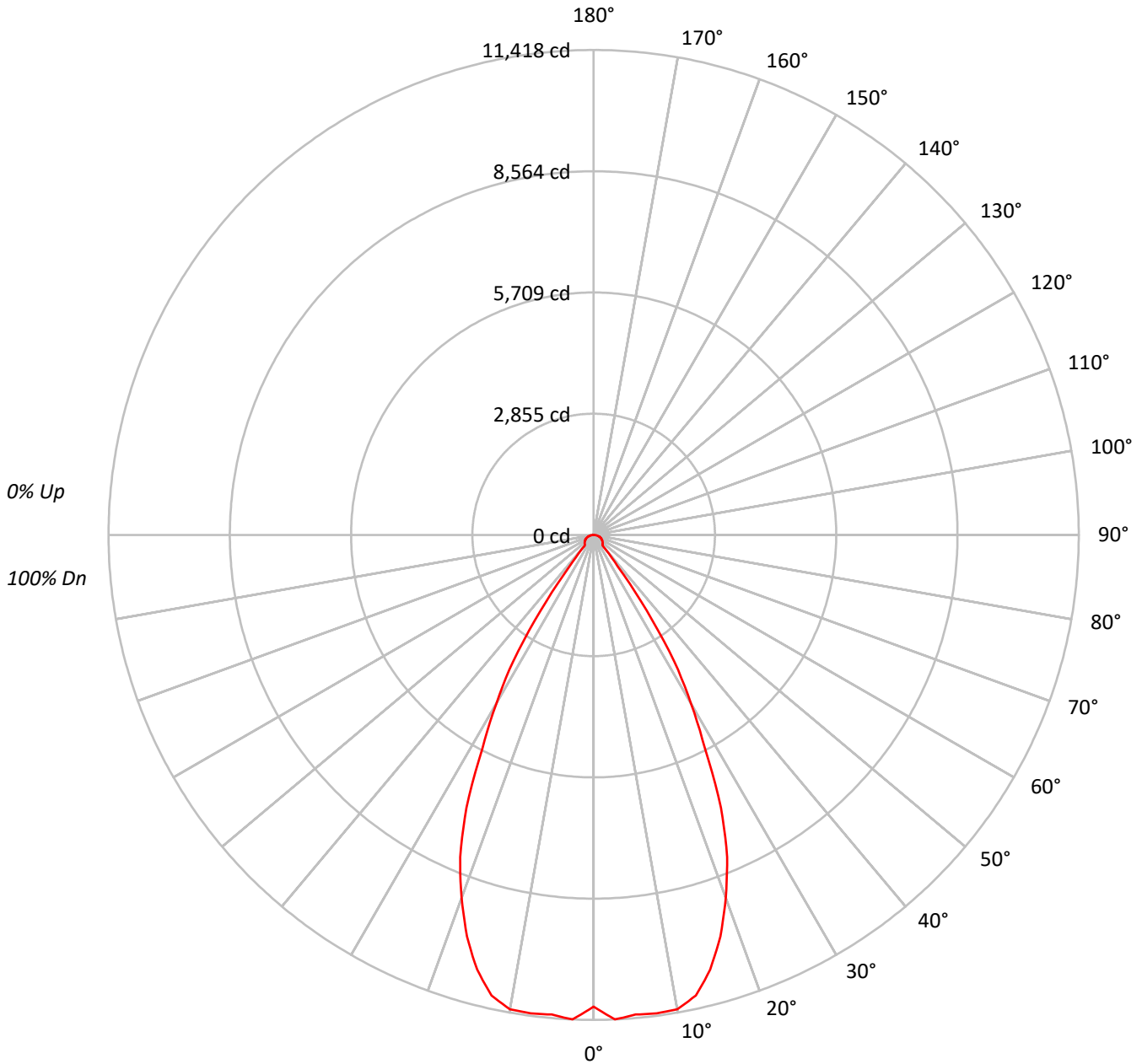
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1213439
5°	1243278
10°	1258297
15°	1198692
20°	1056885
25°	854838
30°	578220
35°	289747
40°	46997
45°	46000
50°	46931
55°	47623
60°	48949
65°	50078
70°	51241
75°	51882
80°	50022
85°	41620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1083.4	11.6
10°-20°	2931.2	31.3
20°-30°	3153.8	33.7
30°-40°	1370.9	14.7
40°-50°	230.2	2.5
50°-60°	223.9	2.4
60°-70°	191.5	2.0
70°-80°	128.1	1.4
80°-90°	38.3	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°	7168.4	76.7
0°-40°	8539.2	91.3
0°-60°	8993.3	96.2
0°-90°	9351.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9351.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11106	
5°	11336	###
15°	10597	2931
25°	7091	3154
35°	2172	1371
45°	298	230
55°	250	224
65°	194	191
75°	123	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11105.9
2.5°	11418.1
5°	11335.7
7.5°	11361.7
10°	11341.5
12.5°	11107.3
15°	10597.1
17.5°	9912.0
20°	9089.7
22.5°	8209.4
25°	7090.8
27.5°	5671.5
30°	4583.1
32.5°	3532.4
35°	2172.3
37.5°	929.3
40°	329.5
42.5°	303.5
45°	297.7
47.5°	287.6
50°	276.1
52.5°	263.0
55°	250.0
57.5°	237.0
60°	224.0
62.5°	209.6
65°	193.7
67.5°	177.8
70°	160.4
72.5°	141.6
75°	122.9
77.5°	101.2
80°	79.5
82.5°	56.4
85°	33.2
87.5°	11.6
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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