

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: P773230

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9607.4 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

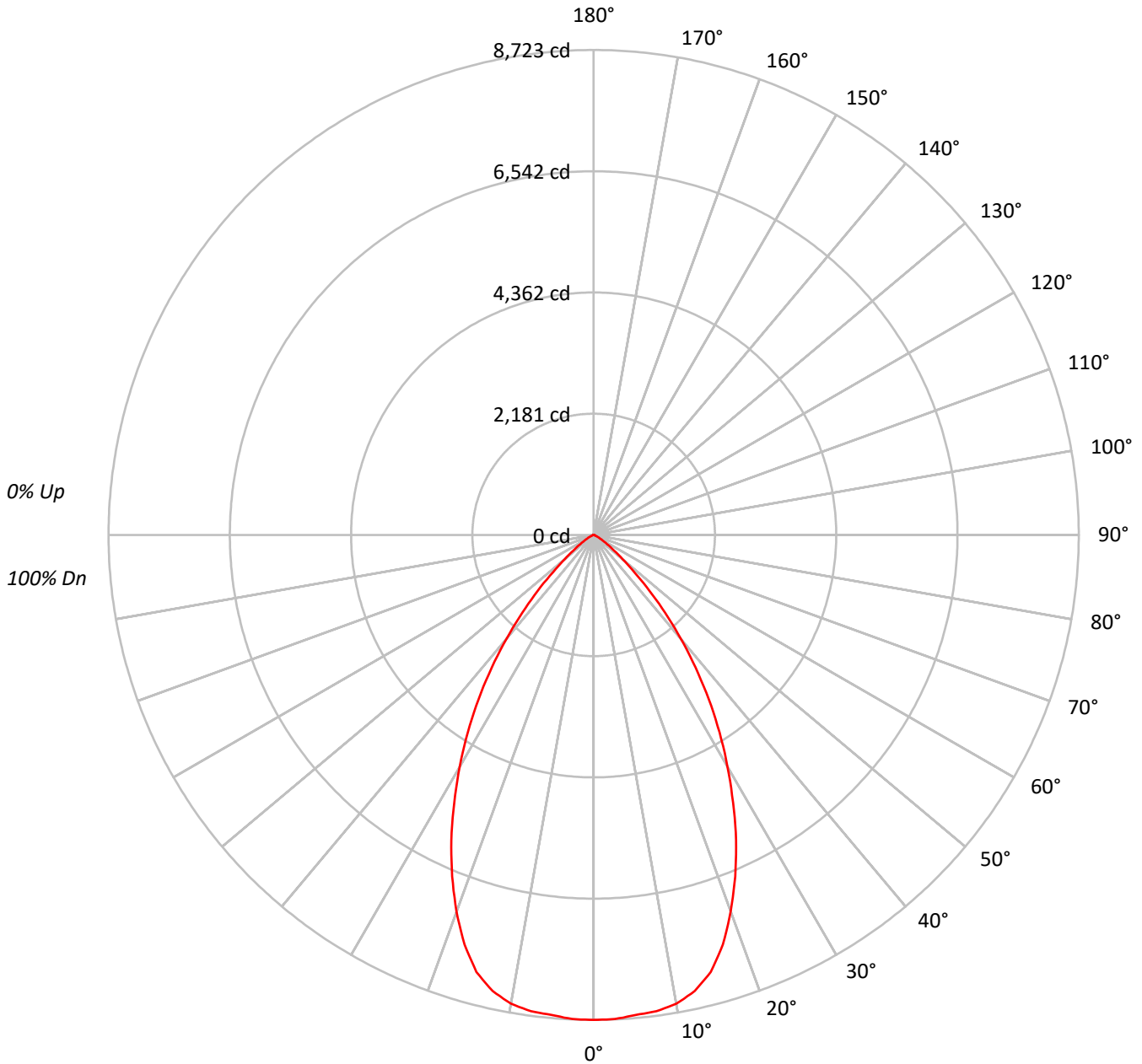
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509474
5°	508190
10°	507756
15°	492099
20°	447999
25°	390400
30°	324705
35°	257279
40°	185692
45°	117310
50°	61149
55°	32502
60°	17066
65°	9383
70°	3945
75°	4333
80°	3027
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.9	8.6
10°-20°	2259.0	23.5
20°-30°	2761.3	28.7
30°-40°	2240.4	23.3
40°-50°	1116.4	11.6
50°-60°	311.4	3.2
60°-70°	70.8	0.7
70°-80°	18.4	0.2
80°-90°	4.7	0.0
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°	5845.2	60.8
0°-40°	8085.7	84.2
0°-60°	9513.5	99.0
0°-90°	9607.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9607.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8723	
5°	8668	825
15°	8139	2259
25°	6058	2761
35°	3608	2240
45°	1420	1116
55°	319	311
65°	68	71
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8723.3
2.5°	8716.9
5°	8668.2
7.5°	8640.0
10°	8561.8
12.5°	8402.8
15°	8138.7
17.5°	7726.0
20°	7208.1
22.5°	6649.2
25°	6058.2
27.5°	5426.2
30°	4814.8
32.5°	4211.0
35°	3608.5
37.5°	3007.3
40°	2435.6
42.5°	1899.8
45°	1420.3
47.5°	989.6
50°	673.0
52.5°	464.0
55°	319.2
57.5°	215.4
60°	146.1
62.5°	101.3
65°	67.9
67.5°	34.6
70°	23.1
72.5°	21.8
75°	19.2
77.5°	12.8
80°	9.0
82.5°	6.4
85°	3.8
87.5°	2.6
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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