

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: P768485

Luminaire Tested: LD6D55D010-EU6DR6555659024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768485
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: LD6D55D010-EU6DR6555659024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4890.0 lumens
Efficiency: N/A
Efficacy: 84.0 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

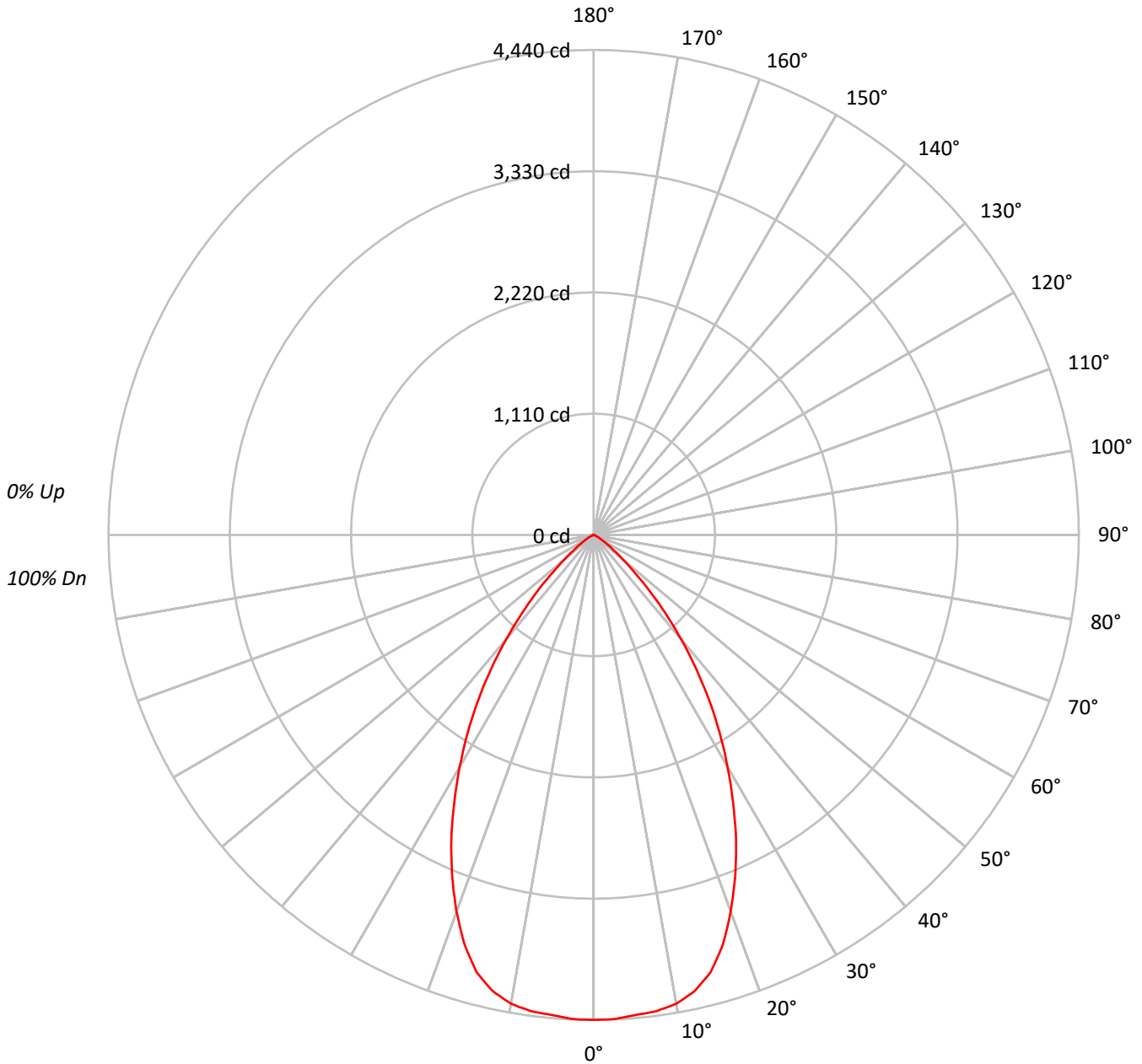
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	259313
5°	258656
10°	258439
15°	250473
20°	228024
25°	198705
30°	165266
35°	130953
40°	94516
45°	59708
50°	31120
55°	16546
60°	8690
65°	4782
70°	1998
75°	2211
80°	1547
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 59708 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.9	8.6
10°-20°	1149.8	23.5
20°-30°	1405.4	28.7
30°-40°	1140.3	23.3
40°-50°	568.2	11.6
50°-60°	158.5	3.2
60°-70°	36.0	0.7
70°-80°	9.4	0.2
80°-90°	2.4	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°	2975.1	60.8
0°-40°	4115.5	84.2
0°-60°	4842.2	99.0
0°-90°	4890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4890.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4440	
5°	4412	420
15°	4142	1150
25°	3084	1405
35°	1837	1140
45°	723	568
55°	162	159
65°	35	36
75°	10	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4440.0
2.5°	4436.7
5°	4411.9
7.5°	4397.6
10°	4357.8
12.5°	4276.9
15°	4142.5
17.5°	3932.4
20°	3668.8
22.5°	3384.3
25°	3083.5
27.5°	2761.9
30°	2450.6
32.5°	2143.3
35°	1836.7
37.5°	1530.7
40°	1239.7
42.5°	966.9
45°	722.9
47.5°	503.7
50°	342.5
52.5°	236.2
55°	162.5
57.5°	109.6
60°	74.4
62.5°	51.5
65°	34.6
67.5°	17.6
70°	11.7
72.5°	11.1
75°	9.8
77.5°	6.5
80°	4.6
82.5°	3.3
85°	2.0
87.5°	1.3
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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