

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: P768537

Luminaire Tested: LD6D55D010-EU6DR6555659040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768537
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-EU6DR6555659040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036.4 lumens
Efficiency: N/A
Efficacy: 103.7 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

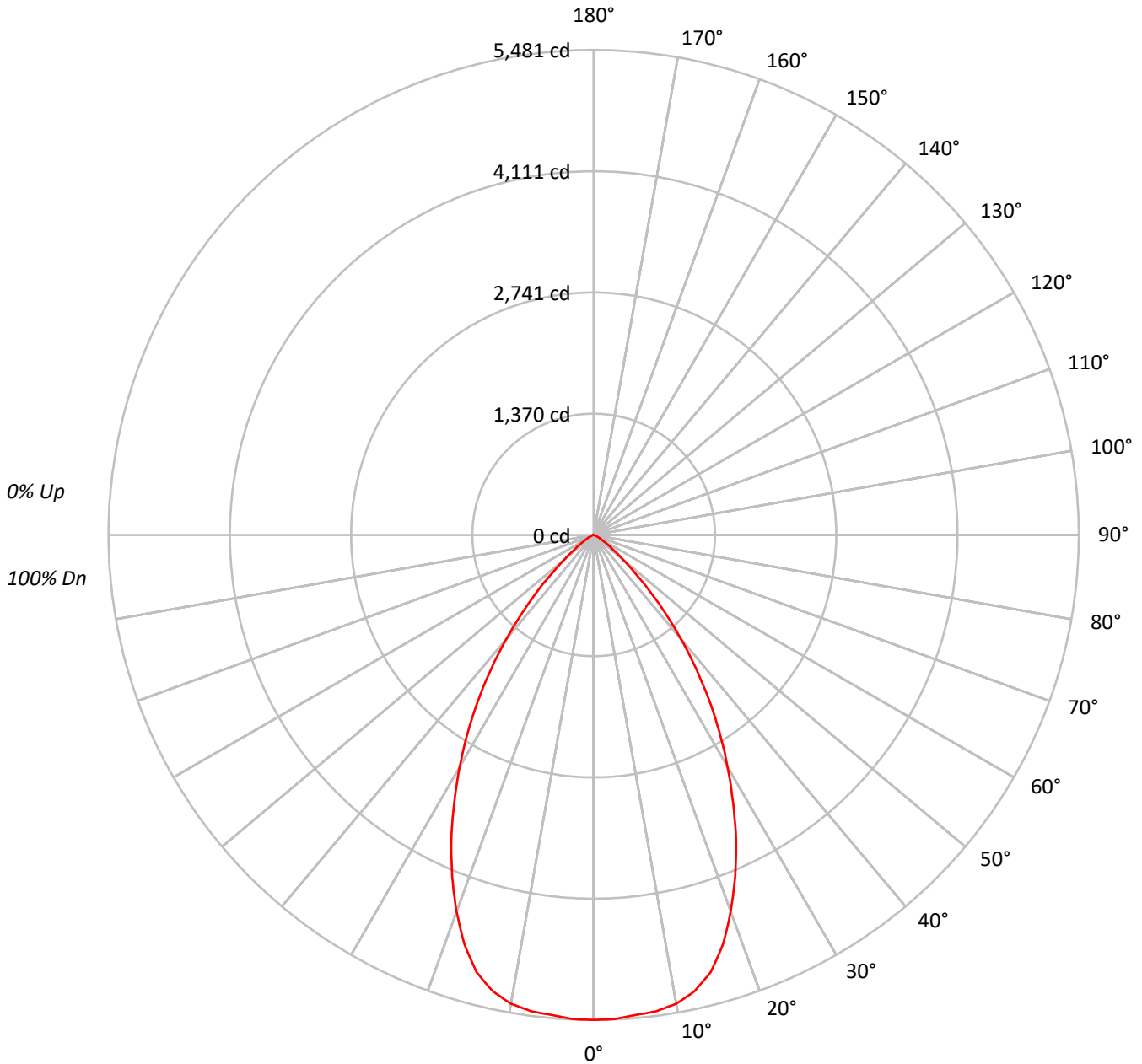
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	320106
5°	319300
10°	319024
15°	309189
20°	281481
25°	245290
30°	204016
35°	161654
40°	116671
45°	73708
50°	38416
55°	20416
60°	10723
65°	5901
70°	2476
75°	2730
80°	1883
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 73708 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.3	8.6
10°-20°	1419.4	23.5
20°-30°	1734.9	28.7
30°-40°	1407.7	23.3
40°-50°	701.5	11.6
50°-60°	195.6	3.2
60°-70°	44.4	0.7
70°-80°	11.6	0.2
80°-90°	2.9	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°	3672.6	60.8
0°-40°	5080.3	84.2
0°-60°	5977.4	99.0
0°-90°	6036.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6036.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5481	
5°	5446	518
15°	5114	1419
25°	3806	1735
35°	2267	1408
45°	892	701
55°	200	196
65°	43	44
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5480.9
2.5°	5476.9
5°	5446.3
7.5°	5428.5
10°	5379.4
12.5°	5279.5
15°	5113.6
17.5°	4854.3
20°	4528.9
22.5°	4177.7
25°	3806.4
27.5°	3409.3
30°	3025.2
32.5°	2645.8
35°	2267.3
37.5°	1889.5
40°	1530.3
42.5°	1193.6
45°	892.4
47.5°	621.8
50°	422.8
52.5°	291.6
55°	200.5
57.5°	135.3
60°	91.8
62.5°	63.6
65°	42.7
67.5°	21.7
70°	14.5
72.5°	13.7
75°	12.1
77.5°	8.1
80°	5.6
82.5°	4.0
85°	2.4
87.5°	1.6
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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(END OF REPORT)