

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: P768465

Luminaire Tested: LD6D55D010-EU6DR6055659050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768465
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: LD6D55D010-EU6DR6055659050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477.8 lumens
Efficiency: N/A
Efficacy: 94.1 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

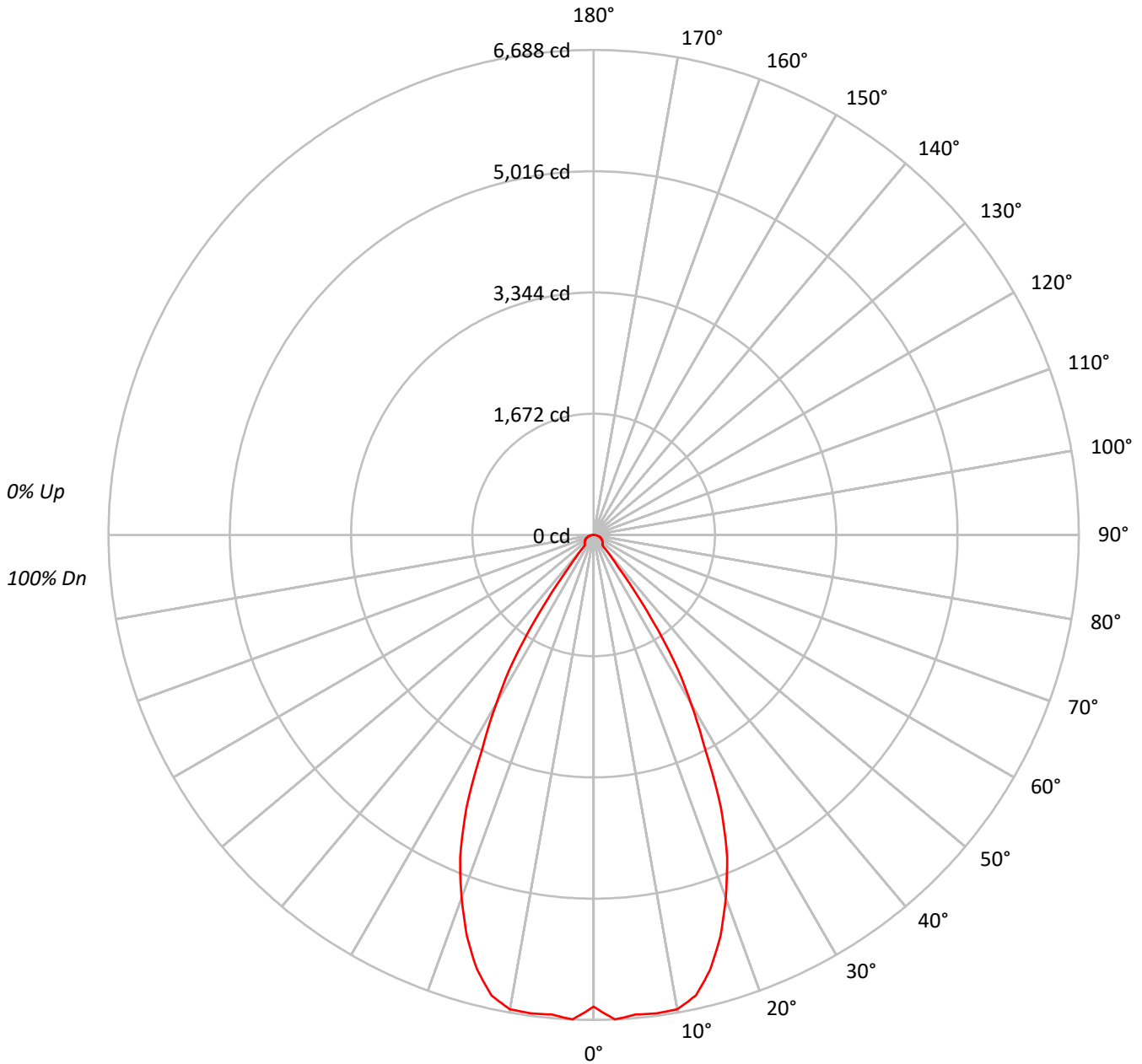
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	710807
5°	728285
10°	737083
15°	702173
20°	619095
25°	500741
30°	338711
35°	169730
40°	27528
45°	26948
50°	27486
55°	27907
60°	28670
65°	29318
70°	30029
75°	30395
80°	29321
85°	24446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30395 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.6	11.6
10°-20°	1717.1	31.3
20°-30°	1847.4	33.7
30°-40°	803.0	14.7
40°-50°	134.9	2.5
50°-60°	131.1	2.4
60°-70°	112.2	2.0
70°-80°	75.1	1.4
80°-90°	22.5	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°	4199.1	76.7
0°-40°	5002.1	91.3
0°-60°	5268.1	96.2
0°-90°	5477.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5477.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6506	
5°	6640	635
15°	6208	1717
25°	4154	1847
35°	1272	803
45°	174	135
55°	146	131
65°	113	112
75°	72	75
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6505.6
2.5°	6688.5
5°	6640.2
7.5°	6655.4
10°	6643.6
12.5°	6506.4
15°	6207.6
17.5°	5806.3
20°	5324.5
22.5°	4808.9
25°	4153.6
27.5°	3322.2
30°	2684.7
32.5°	2069.2
35°	1272.5
37.5°	544.4
40°	193.0
42.5°	177.8
45°	174.4
47.5°	168.5
50°	161.7
52.5°	154.1
55°	146.5
57.5°	138.8
60°	131.2
62.5°	122.8
65°	113.4
67.5°	104.1
70°	94.0
72.5°	83.0
75°	72.0
77.5°	59.3
80°	46.6
82.5°	33.0
85°	19.5
87.5°	6.8
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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