

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: P768571

Luminaire Tested: LD6D55D010-EU6DR7055659027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR7055659027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6698.6 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

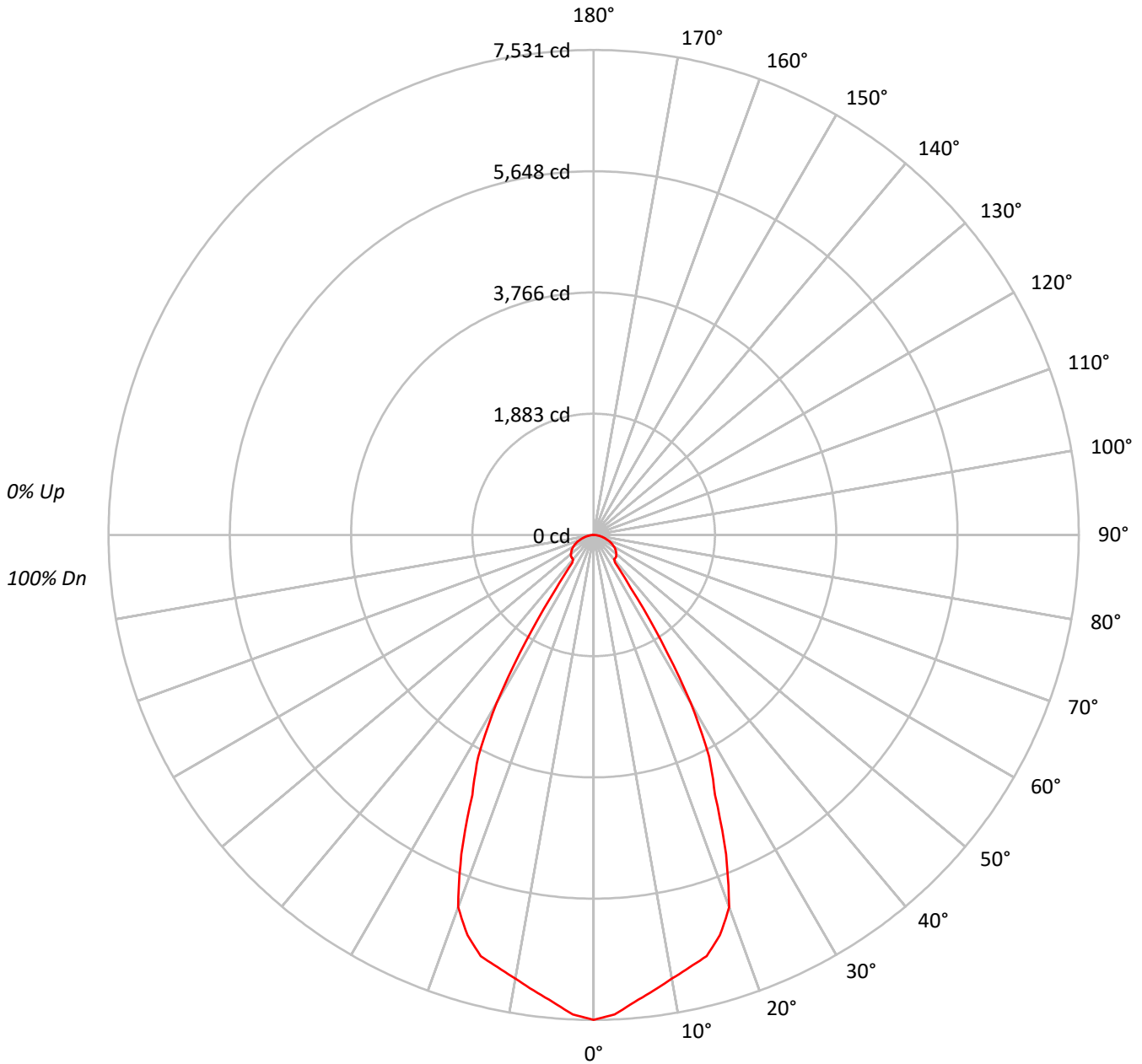
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	822854
5°	798402
10°	776147
15°	765970
20°	715253
25°	537330
30°	379853
35°	134557
40°	70744
45°	75358
50°	78038
55°	79492
60°	80001
65°	78310
70°	73890
75°	68473
80°	60781
85°	49268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 80019 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.6	10.3
10°-20°	1883.4	28.1
20°-30°	2074.2	31.0
30°-40°	792.5	11.8
40°-50°	374.2	5.6
50°-60°	372.0	5.6
60°-70°	297.9	4.4
70°-80°	171.2	2.6
80°-90°	46.5	0.7
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°	4644.2	69.3
0°-40°	5436.7	81.2
0°-60°	6183.0	92.3
0°-90°	6698.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6698.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7531	
5°	7280	687
15°	6772	1883
25°	4457	2074
35°	1009	793
45°	488	374
55°	417	372
65°	303	298
75°	162	171
85°	39	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7531.1
2.5°	7452.4
5°	7279.5
7.5°	7135.3
10°	6995.7
12.5°	6877.7
15°	6771.6
17.5°	6515.2
20°	6151.5
22.5°	5366.9
25°	4457.1
27.5°	3880.0
30°	3010.8
32.5°	1944.8
35°	1008.8
37.5°	544.9
40°	496.0
42.5°	492.5
45°	487.7
47.5°	477.0
50°	459.1
52.5°	438.8
55°	417.3
57.5°	393.5
60°	366.1
62.5°	335.1
65°	302.9
67.5°	267.1
70°	231.3
72.5°	195.6
75°	162.2
77.5°	127.6
80°	96.6
82.5°	68.0
85°	39.3
87.5°	15.5
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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