

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: P768468

Luminaire Tested: LD6D55D010-EU6DR6055659050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768468
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-EU6DR6055659050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6299.6 lumens
Efficiency: N/A
Efficacy: 108.2 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

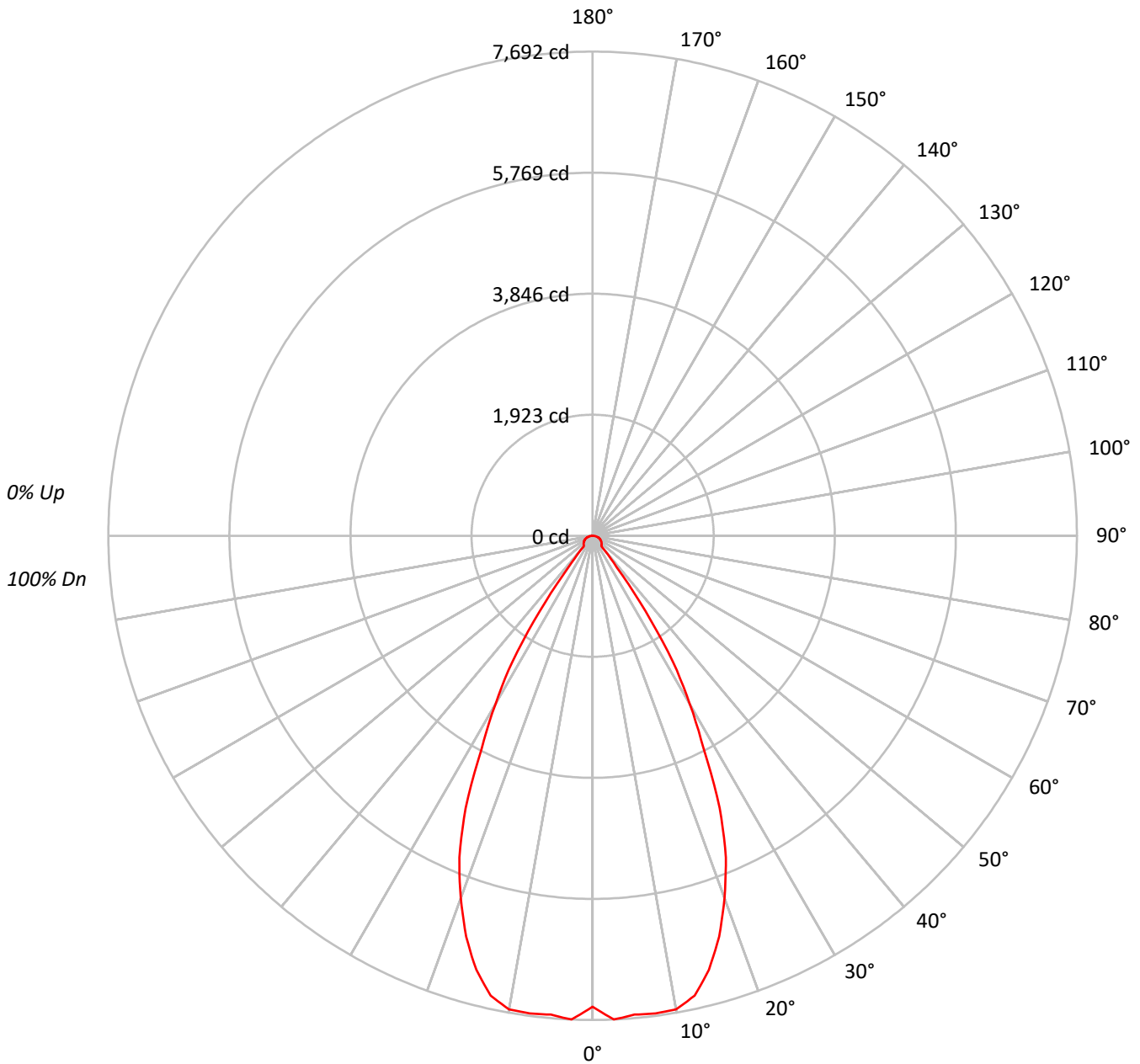


Downlight

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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			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	817434
5°	837535
10°	847652
15°	807506
20°	711974
25°	575859
30°	389517
35°	195192
40°	31664
45°	30996
50°	31616
55°	32079
60°	32975
65°	33739
70°	34533
75°	34954
80°	33726
85°	28081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34954 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.8	11.6
10°-20°	1974.6	31.3
20°-30°	2124.5	33.7
30°-40°	923.5	14.7
40°-50°	155.1	2.5
50°-60°	150.8	2.4
60°-70°	129.0	2.0
70°-80°	86.3	1.4
80°-90°	25.8	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°	4829.0	76.7
0°-40°	5752.5	91.3
0°-60°	6058.5	96.2
0°-90°	6299.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6299.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7482	
5°	7636	730
15°	7139	1975
25°	4777	2125
35°	1463	923
45°	201	155
55°	168	151
65°	130	129
75°	83	86
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7481.5
2.5°	7691.8
5°	7636.3
7.5°	7653.9
10°	7640.2
12.5°	7482.5
15°	7138.8
17.5°	6677.3
20°	6123.3
22.5°	5530.3
25°	4776.7
27.5°	3820.6
30°	3087.4
32.5°	2379.6
35°	1463.4
37.5°	626.1
40°	222.0
42.5°	204.5
45°	200.6
47.5°	193.8
50°	186.0
52.5°	177.2
55°	168.4
57.5°	159.7
60°	150.9
62.5°	141.2
65°	130.5
67.5°	119.8
70°	108.1
72.5°	95.4
75°	82.8
77.5°	68.2
80°	53.6
82.5°	38.0
85°	22.4
87.5°	7.8
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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(END OF REPORT)