

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: P769196

Luminaire Tested: LD6D60D010-EU6DR6055659027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769196
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: LD6D60D010-EU6DR6055659027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6311.7 lumens
Efficiency: N/A
Efficacy: 98.0 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

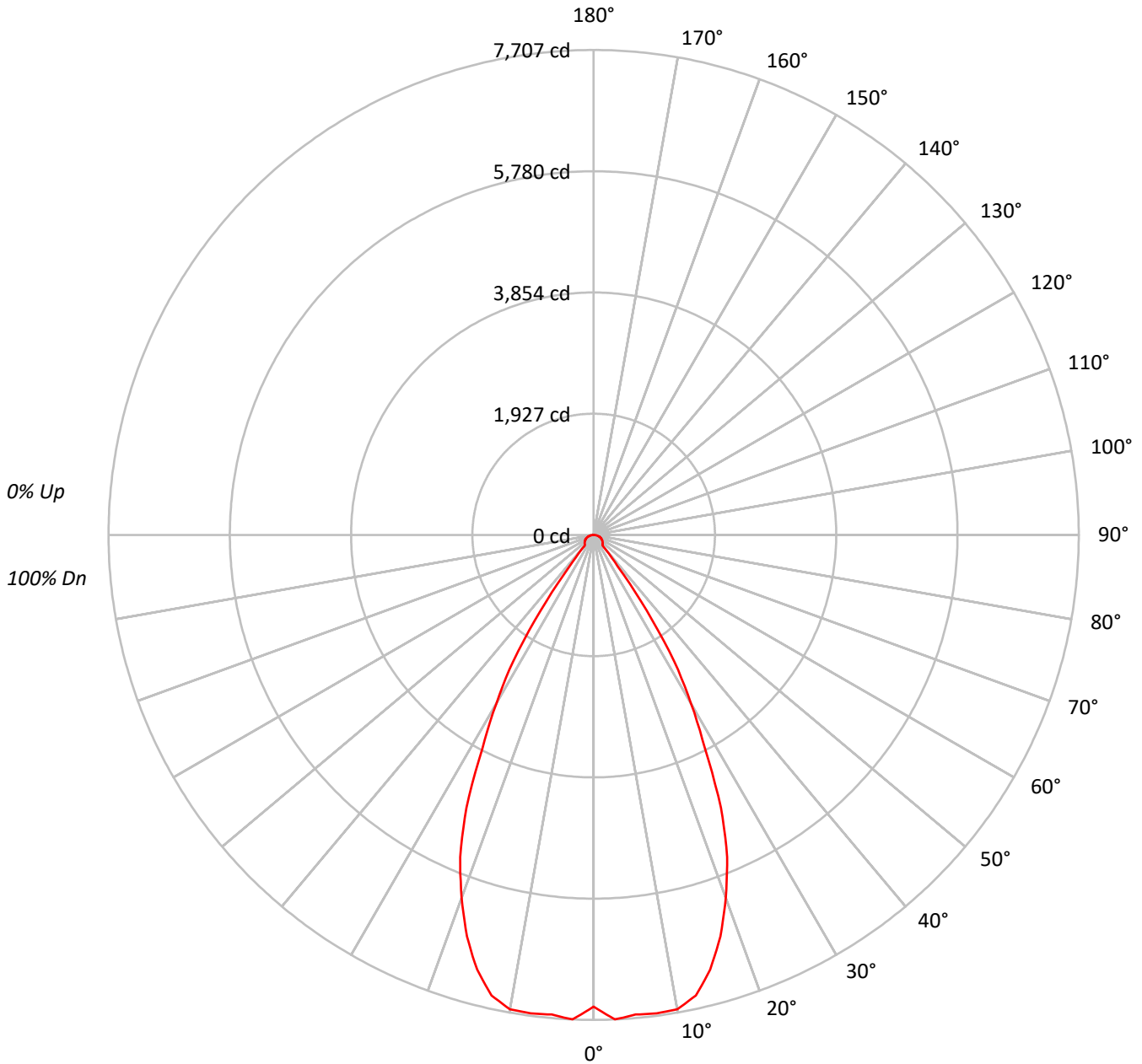
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	819019
5°	839158
10°	849294
15°	809067
20°	713346
25°	576968
30°	390274
35°	195566
40°	31721
45°	31058
50°	31667
55°	32155
60°	33040
65°	33790
70°	34597
75°	34996
80°	33788
85°	28081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.2	11.6
10°-20°	1978.4	31.3
20°-30°	2128.6	33.7
30°-40°	925.3	14.7
40°-50°	155.4	2.5
50°-60°	151.1	2.4
60°-70°	129.3	2.0
70°-80°	86.5	1.4
80°-90°	25.9	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°	4838.3	76.7
0°-40°	5763.6	91.3
0°-60°	6070.1	96.2
0°-90°	6311.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6311.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7496	
5°	7651	731
15°	7153	1978
25°	4786	2129
35°	1466	925
45°	201	155
55°	169	151
65°	131	129
75°	83	86
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7496.0
2.5°	7706.7
5°	7651.1
7.5°	7668.6
10°	7655.0
12.5°	7496.9
15°	7152.6
17.5°	6690.2
20°	6135.1
22.5°	5541.0
25°	4785.9
27.5°	3828.0
30°	3093.4
32.5°	2384.2
35°	1466.2
37.5°	627.3
40°	222.4
42.5°	204.9
45°	201.0
47.5°	194.1
50°	186.3
52.5°	177.5
55°	168.8
57.5°	160.0
60°	151.2
62.5°	141.5
65°	130.7
67.5°	120.0
70°	108.3
72.5°	95.6
75°	82.9
77.5°	68.3
80°	53.7
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)