

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: P769206

Luminaire Tested: LD6D60D010-EU6DR6055659030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769206
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-EU6DR6055659030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5654.2 lumens
Efficiency: N/A
Efficacy: 87.8 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

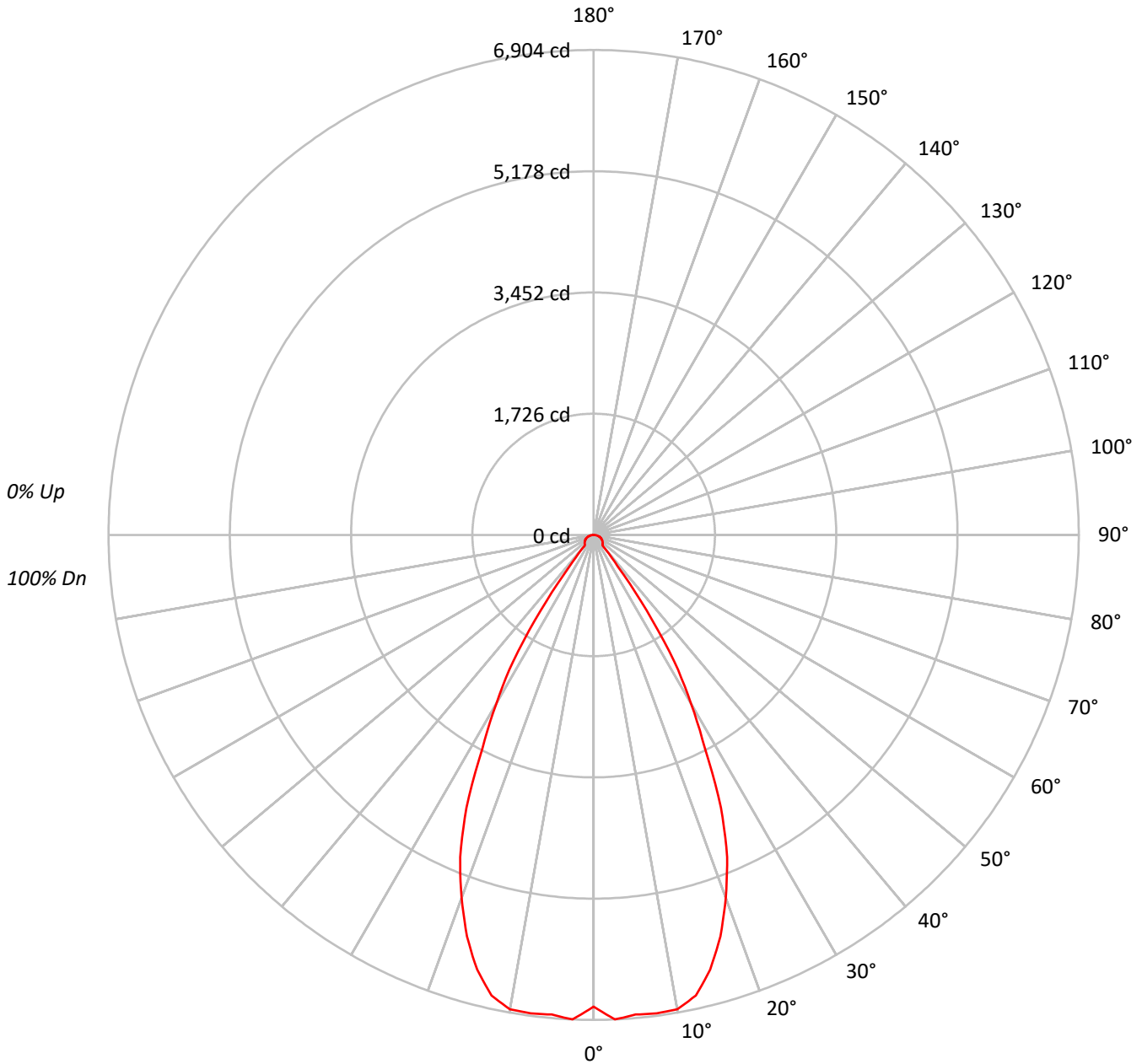
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	733697
5°	751734
10°	760814
15°	724785
20°	639036
25°	516871
30°	349624
35°	175198
40°	28426
45°	27813
50°	28370
55°	28802
60°	29610
65°	30274
70°	30987
75°	31366
80°	30265
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31366 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.1	11.6
10°-20°	1772.3	31.3
20°-30°	1906.9	33.7
30°-40°	828.9	14.7
40°-50°	139.2	2.5
50°-60°	135.4	2.4
60°-70°	115.8	2.0
70°-80°	77.5	1.4
80°-90°	23.2	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°	4334.3	76.7
0°-40°	5163.2	91.3
0°-60°	5437.8	96.2
0°-90°	5654.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6715	
5°	6854	655
15°	6408	1772
25°	4287	1907
35°	1314	829
45°	180	139
55°	151	135
65°	117	116
75°	74	77
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6715.1
2.5°	6903.9
5°	6854.0
7.5°	6869.8
10°	6857.5
12.5°	6716.0
15°	6407.5
17.5°	5993.2
20°	5496.0
22.5°	4963.8
25°	4287.4
27.5°	3429.2
30°	2771.2
32.5°	2135.8
35°	1313.5
37.5°	561.9
40°	199.3
42.5°	183.5
45°	180.0
47.5°	173.9
50°	166.9
52.5°	159.1
55°	151.2
57.5°	143.3
60°	135.5
62.5°	126.7
65°	117.1
67.5°	107.5
70°	97.0
72.5°	85.6
75°	74.3
77.5°	61.2
80°	48.1
82.5°	34.1
85°	20.1
87.5°	7.0
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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