

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: P769232

Luminaire Tested: LD6D60D010-EU6DR6055659040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769232
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-EU6DR6055659040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5980.9 lumens
Efficiency: N/A
Efficacy: 92.9 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

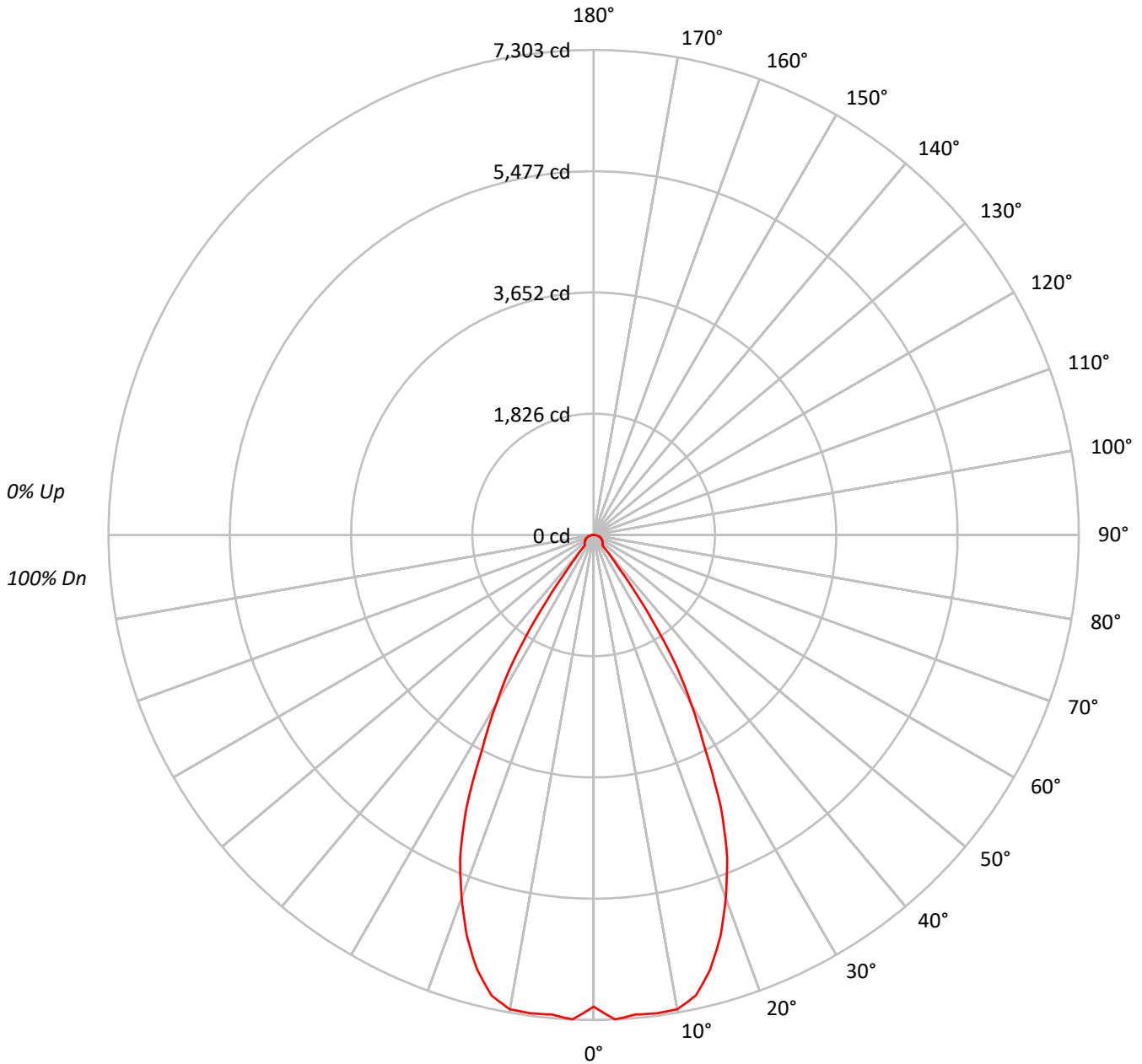
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	776090
5°	795177
10°	804782
15°	766660
20°	675952
25°	546733
30°	369823
35°	185322
40°	30066
45°	29420
50°	30018
55°	30459
60°	31314
65°	32032
70°	32776
75°	33181
80°	31964
85°	26702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.9	11.6
10°-20°	1874.7	31.3
20°-30°	2017.1	33.7
30°-40°	876.8	14.7
40°-50°	147.3	2.5
50°-60°	143.2	2.4
60°-70°	122.5	2.0
70°-80°	81.9	1.4
80°-90°	24.5	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°	4584.7	76.7
0°-40°	5461.5	91.3
0°-60°	5752.0	96.2
0°-90°	5980.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5980.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7103	
5°	7250	693
15°	6778	1875
25°	4535	2017
35°	1389	877
45°	190	147
55°	160	143
65°	124	122
75°	79	82
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7103.1
2.5°	7302.7
5°	7250.1
7.5°	7266.7
10°	7253.8
12.5°	7104.0
15°	6777.7
17.5°	6339.5
20°	5813.5
22.5°	5250.6
25°	4535.1
27.5°	3627.3
30°	2931.3
32.5°	2259.2
35°	1389.4
37.5°	594.4
40°	210.8
42.5°	194.1
45°	190.4
47.5°	184.0
50°	176.6
52.5°	168.2
55°	159.9
57.5°	151.6
60°	143.3
62.5°	134.0
65°	123.9
67.5°	113.7
70°	102.6
72.5°	90.6
75°	78.6
77.5°	64.7
80°	50.8
82.5°	36.1
85°	21.3
87.5°	7.4
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)