

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: P770805

Luminaire Tested: LD6D70BD010-EU6DR6070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770805
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: LD6D70BD010-EU6DR6070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6790.7 lumens
Efficiency: N/A
Efficacy: 102.0 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

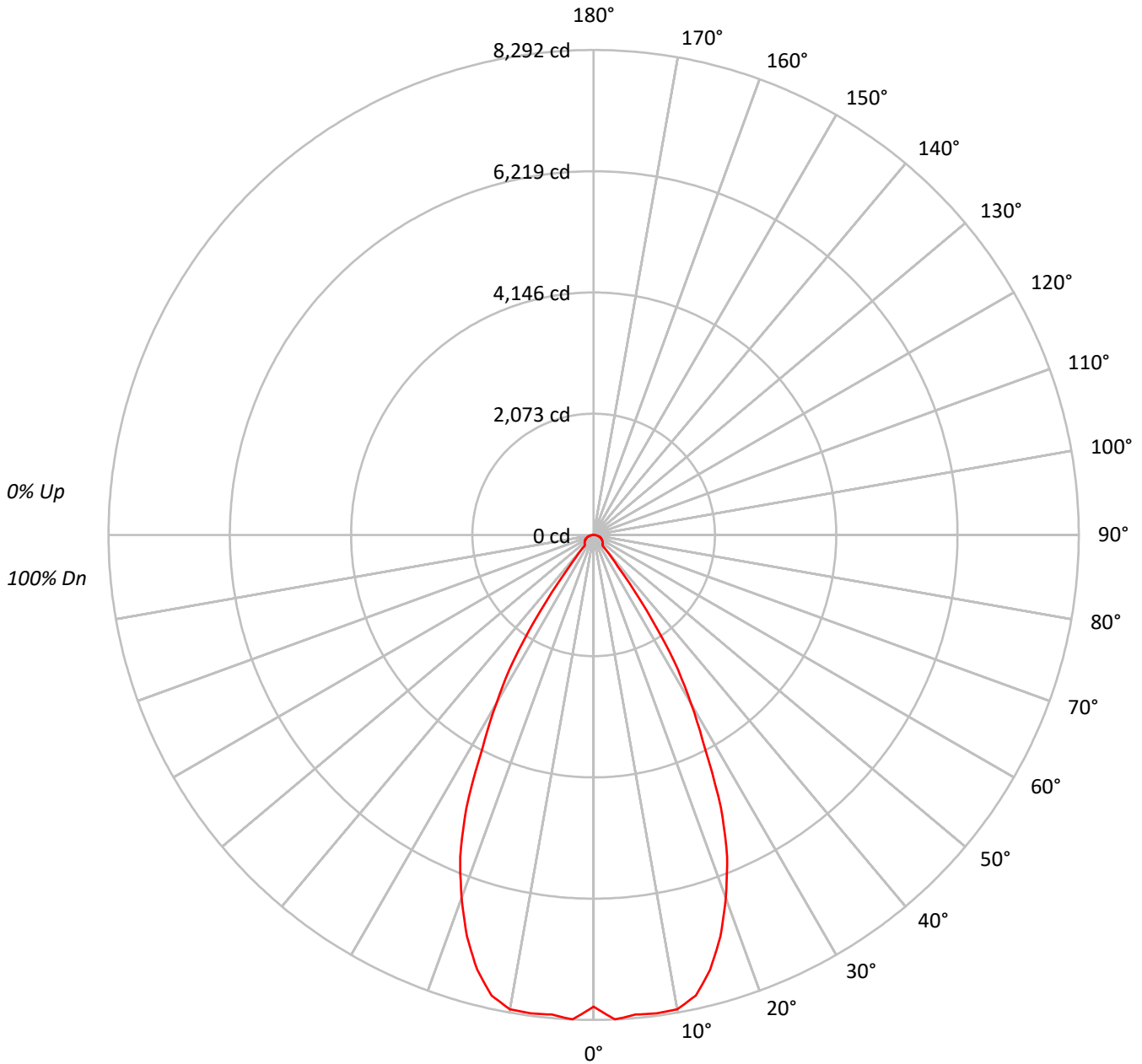
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	881177
5°	902837
10°	913742
15°	870466
20°	767482
25°	620766
30°	419897
35°	210411
40°	34131
45°	33407
50°	34081
55°	34593
60°	35553
65°	36350
70°	37217
75°	37656
80°	36305
85°	30212

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37656 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.7	11.6
10°-20°	2128.6	31.3
20°-30°	2290.2	33.7
30°-40°	995.5	14.7
40°-50°	167.2	2.5
50°-60°	162.6	2.4
60°-70°	139.0	2.0
70°-80°	93.1	1.4
80°-90°	27.8	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°	5205.5	76.7
0°-40°	6201.0	91.3
0°-60°	6530.8	96.2
0°-90°	6790.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6790.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8065	
5°	8232	787
15°	7695	2129
25°	5149	2290
35°	1578	996
45°	216	167
55°	182	163
65°	141	139
75°	89	93
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8064.9
2.5°	8291.6
5°	8231.7
7.5°	8250.6
10°	8235.9
12.5°	8065.9
15°	7695.4
17.5°	7197.9
20°	6600.7
22.5°	5961.5
25°	5149.2
27.5°	4118.5
30°	3328.2
32.5°	2565.1
35°	1577.5
37.5°	674.9
40°	239.3
42.5°	220.4
45°	216.2
47.5°	208.9
50°	200.5
52.5°	191.0
55°	181.6
57.5°	172.1
60°	162.7
62.5°	152.2
65°	140.6
67.5°	129.1
70°	116.5
72.5°	102.9
75°	89.2
77.5°	73.5
80°	57.7
82.5°	40.9
85°	24.1
87.5°	8.4
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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