

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: P770935

Luminaire Tested: LD6D70BD010-EU6DR7070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR7070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4790.4 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

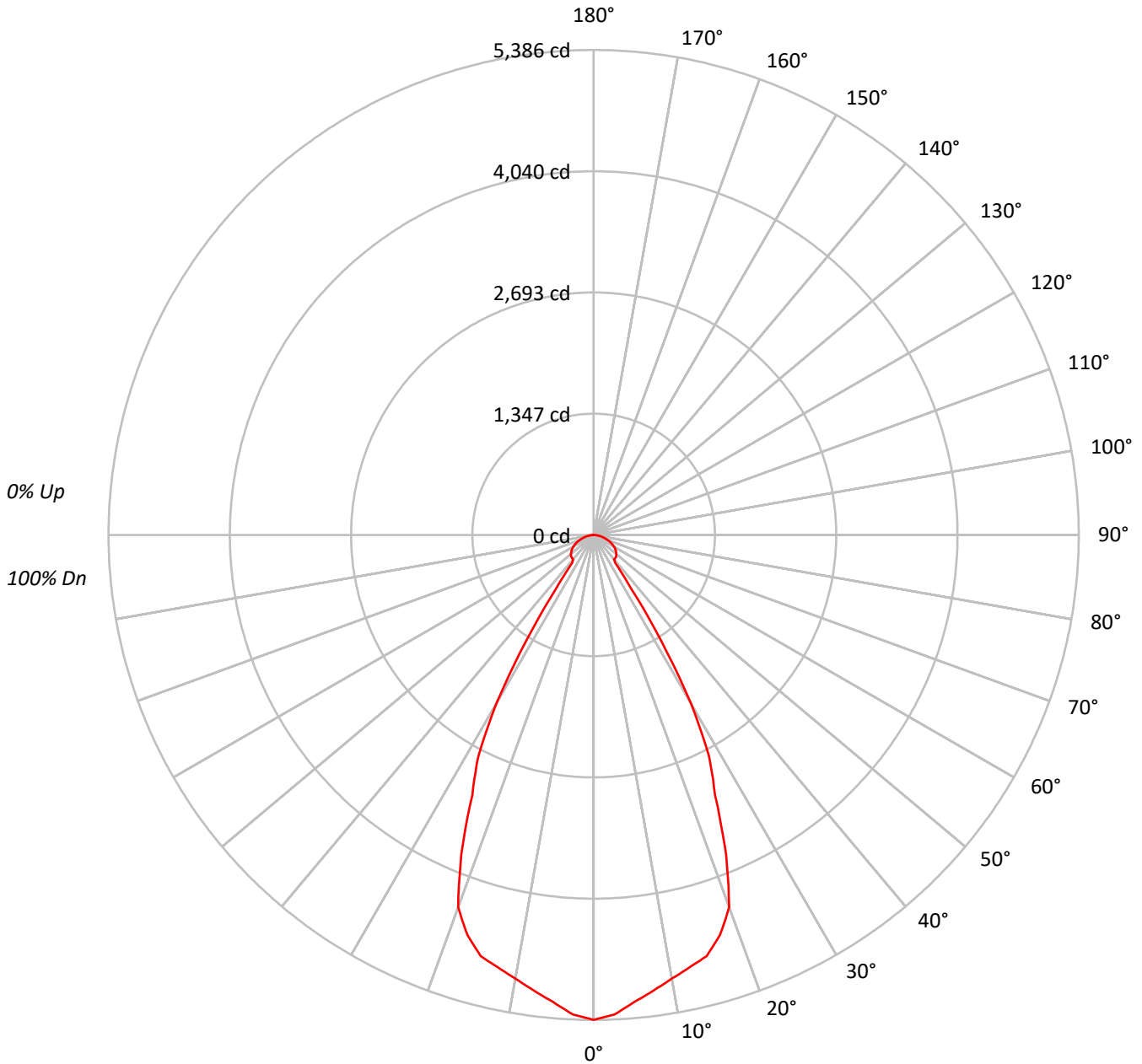
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	588457
5°	570973
10°	555064
15°	547771
20°	511508
25°	384272
30°	271643
35°	96222
40°	50591
45°	53896
50°	55804
55°	56861
60°	57209
65°	55998
70°	52838
75°	48970
80°	43478
85°	35227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 57223 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.0	10.3
10°-20°	1346.9	28.1
20°-30°	1483.4	31.0
30°-40°	566.8	11.8
40°-50°	267.6	5.6
50°-60°	266.1	5.6
60°-70°	213.0	4.4
70°-80°	122.4	2.6
80°-90°	33.3	0.7
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°	3321.3	69.3
0°-40°	3888.0	81.2
0°-60°	4421.7	92.3
0°-90°	4790.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4790.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5386	
5°	5206	491
15°	4843	1347
25°	3188	1483
35°	721	567
45°	349	268
55°	298	266
65°	217	213
75°	116	122
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5385.8
2.5°	5329.5
5°	5205.9
7.5°	5102.7
10°	5003.0
12.5°	4918.5
15°	4842.6
17.5°	4659.3
20°	4399.2
22.5°	3838.1
25°	3187.5
27.5°	2774.8
30°	2153.1
32.5°	1390.8
35°	721.4
37.5°	389.7
40°	354.7
42.5°	352.2
45°	348.8
47.5°	341.1
50°	328.3
52.5°	313.8
55°	298.5
57.5°	281.4
60°	261.8
62.5°	239.6
65°	216.6
67.5°	191.0
70°	165.4
72.5°	139.8
75°	116.0
77.5°	91.2
80°	69.1
82.5°	48.6
85°	28.1
87.5°	11.1
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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