

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: P770961

Luminaire Tested: LD6D70BD010-EU6DR7070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770961
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-EU6DR7070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5050.2 lumens
Efficiency: N/A
Efficacy: 75.8 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

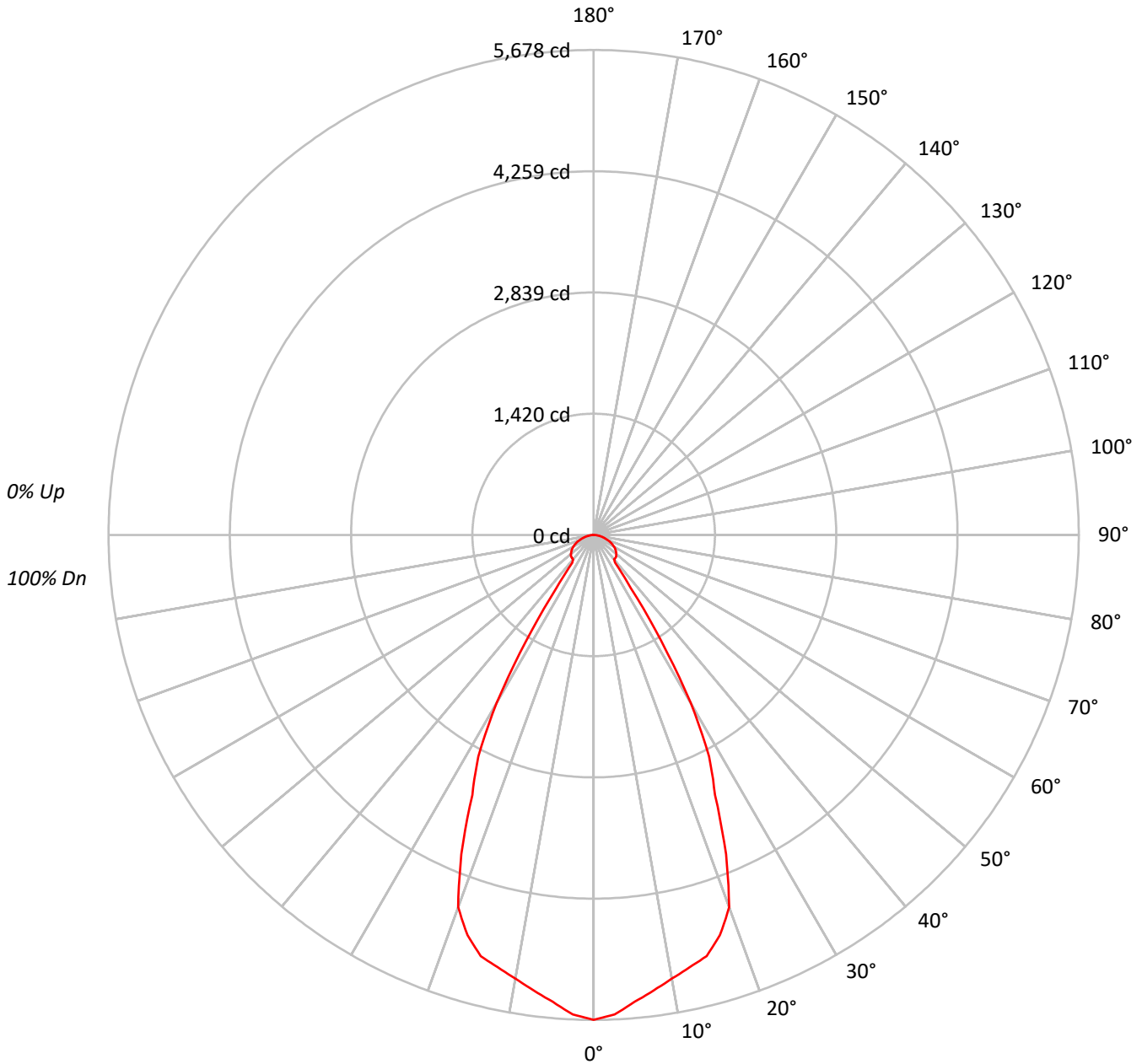
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	620372
5°	601935
10°	585164
15°	577475
20°	539250
25°	405104
30°	286378
35°	101438
40°	53344
45°	56816
50°	58830
55°	59928
60°	60312
65°	59023
70°	55713
75°	51629
80°	45806
85°	37233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 60334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.7	10.3
10°-20°	1419.9	28.1
20°-30°	1563.8	31.0
30°-40°	597.5	11.8
40°-50°	282.1	5.6
50°-60°	280.5	5.6
60°-70°	224.6	4.4
70°-80°	129.1	2.6
80°-90°	35.1	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°	3501.4	69.3
0°-40°	4098.9	81.2
0°-60°	4661.5	92.3
0°-90°	5050.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5050.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5678	
5°	5488	518
15°	5105	1420
25°	3360	1564
35°	760	597
45°	368	282
55°	315	280
65°	228	225
75°	122	129
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5677.9
2.5°	5618.6
5°	5488.2
7.5°	5379.4
10°	5274.3
12.5°	5185.3
15°	5105.2
17.5°	4912.0
20°	4637.8
22.5°	4046.3
25°	3360.3
27.5°	2925.2
30°	2269.9
32.5°	1466.2
35°	760.5
37.5°	410.8
40°	374.0
42.5°	371.3
45°	367.7
47.5°	359.6
50°	346.1
52.5°	330.8
55°	314.6
57.5°	296.7
60°	276.0
62.5°	252.6
65°	228.3
67.5°	201.4
70°	174.4
72.5°	147.4
75°	122.3
77.5°	96.2
80°	72.8
82.5°	51.2
85°	29.7
87.5°	11.7
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)