

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: P771741

Luminaire Tested: LD6D75BD010-EU6DR7070959050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771741
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: LD6D75BD010-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: 5337.8 lumens
Efficiency: N/A
Efficacy: 73.7 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

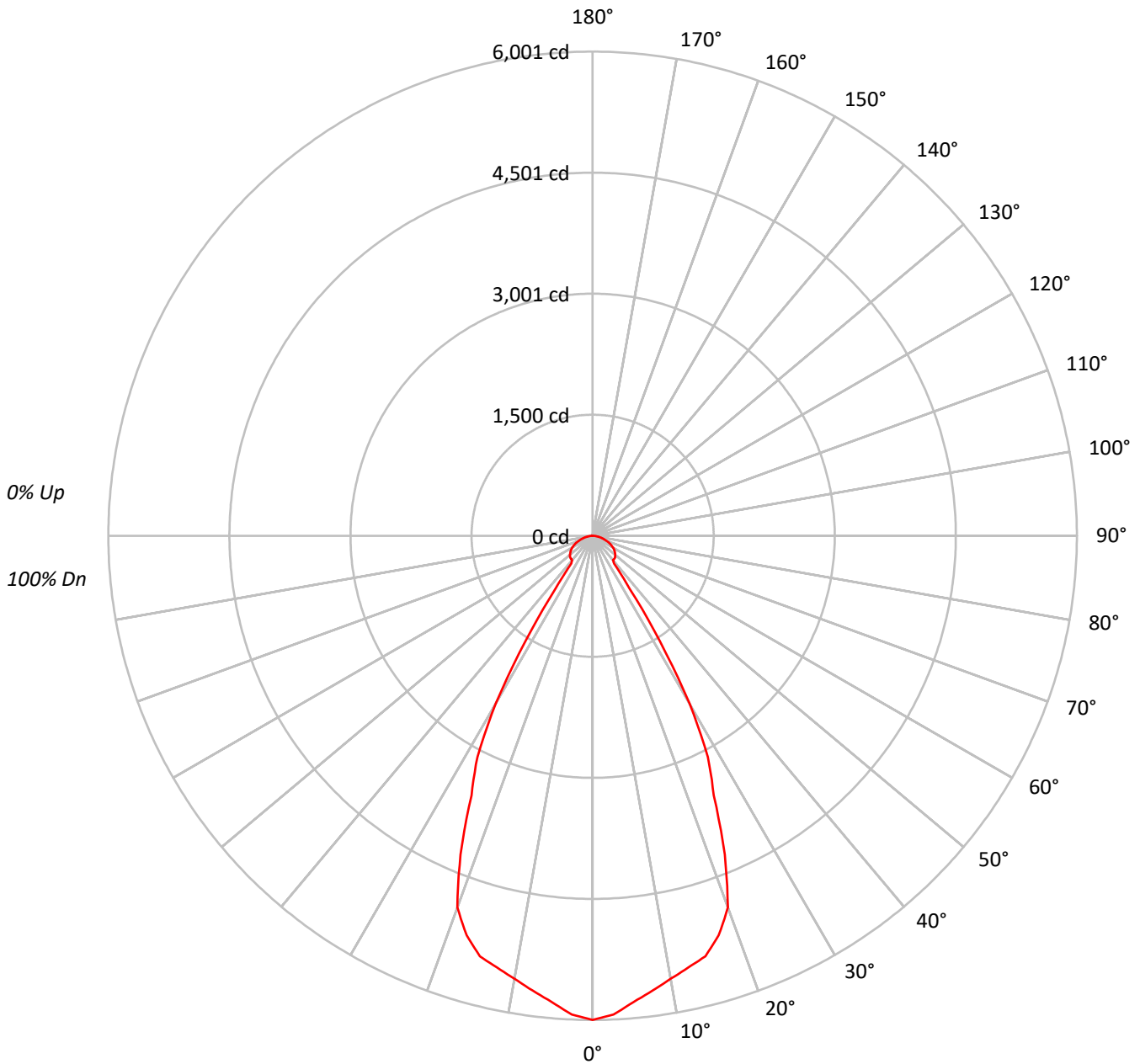
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			
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°	655685
5°	636210
10°	618470
15°	610358
20°	569946
25°	428178
30°	302679
35°	107213
40°	56382
45°	60046
50°	62179
55°	63357
60°	63743
65°	62384
70°	58876
75°	54542
80°	48449
85°	39364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 63751 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.1	10.3
10°-20°	1500.7	28.1
20°-30°	1652.9	31.0
30°-40°	631.5	11.8
40°-50°	298.2	5.6
50°-60°	296.5	5.6
60°-70°	237.3	4.4
70°-80°	136.4	2.6
80°-90°	37.1	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°	3700.7	69.3
0°-40°	4332.2	81.2
0°-60°	4926.9	92.3
0°-90°	5337.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5337.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6001	
5°	5801	547
15°	5396	1501
25°	3552	1653
35°	804	632
45°	389	298
55°	333	296
65°	241	237
75°	129	136
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6001.1
2.5°	5938.4
5°	5800.7
7.5°	5685.7
10°	5574.5
12.5°	5480.5
15°	5395.9
17.5°	5191.6
20°	4901.8
22.5°	4276.6
25°	3551.7
27.5°	3091.8
30°	2399.1
32.5°	1549.7
35°	803.8
37.5°	434.2
40°	395.3
42.5°	392.4
45°	388.6
47.5°	380.1
50°	365.8
52.5°	349.7
55°	332.6
57.5°	313.5
60°	291.7
62.5°	267.0
65°	241.3
67.5°	212.8
70°	184.3
72.5°	155.8
75°	129.2
77.5°	101.7
80°	77.0
82.5°	54.2
85°	31.4
87.5°	12.4
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)