

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: P770822

Luminaire Tested: LD6D70BD010-EU6DR6570959024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6570959024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5923.2 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

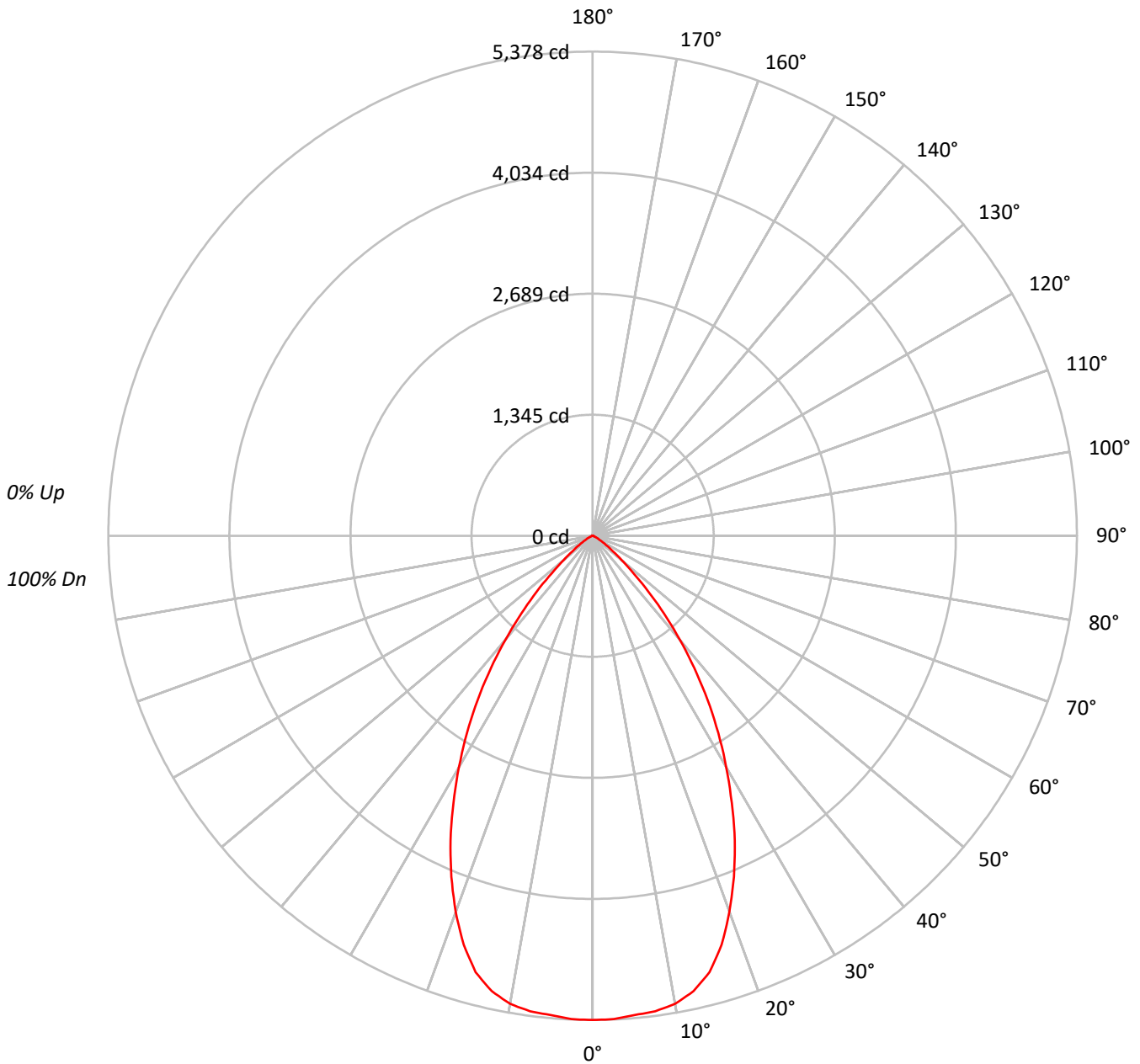


Downlight

TEST NUMBER: P770822

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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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	314102
5°	313308
10°	313041
15°	303391
20°	276204
25°	240689
30°	200186
35°	158617
40°	114483
45°	72329
50°	37698
55°	20039
60°	10524
65°	5790
70°	2425
75°	2685
80°	1850
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 72329 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.6	8.6
10°-20°	1392.7	23.5
20°-30°	1702.4	28.7
30°-40°	1381.3	23.3
40°-50°	688.3	11.6
50°-60°	192.0	3.2
60°-70°	43.6	0.7
70°-80°	11.3	0.2
80°-90°	2.9	0.0
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°	3603.7	60.8
0°-40°	4985.0	84.2
0°-60°	5865.3	99.0
0°-90°	5923.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5923.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5378	
5°	5344	509
15°	5018	1393
25°	3735	1702
35°	2225	1381
45°	876	688
55°	197	192
65°	42	44
75°	12	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5378.1
2.5°	5374.2
5°	5344.1
7.5°	5326.7
10°	5278.5
12.5°	5180.5
15°	5017.7
17.5°	4763.3
20°	4444.0
22.5°	4099.4
25°	3735.0
27.5°	3345.4
30°	2968.4
32.5°	2596.2
35°	2224.7
37.5°	1854.1
40°	1501.6
42.5°	1171.3
45°	875.7
47.5°	610.1
50°	414.9
52.5°	286.1
55°	196.8
57.5°	132.8
60°	90.1
62.5°	62.4
65°	41.9
67.5°	21.3
70°	14.2
72.5°	13.4
75°	11.9
77.5°	7.9
80°	5.5
82.5°	4.0
85°	2.4
87.5°	1.6
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)