

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: P770824

Luminaire Tested: LD6D70BD010-EU6DR6570959024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770824
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-EU6DR6570959024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6698.6 lumens
Efficiency: N/A
Efficacy: 100.6 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 (Ain): 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

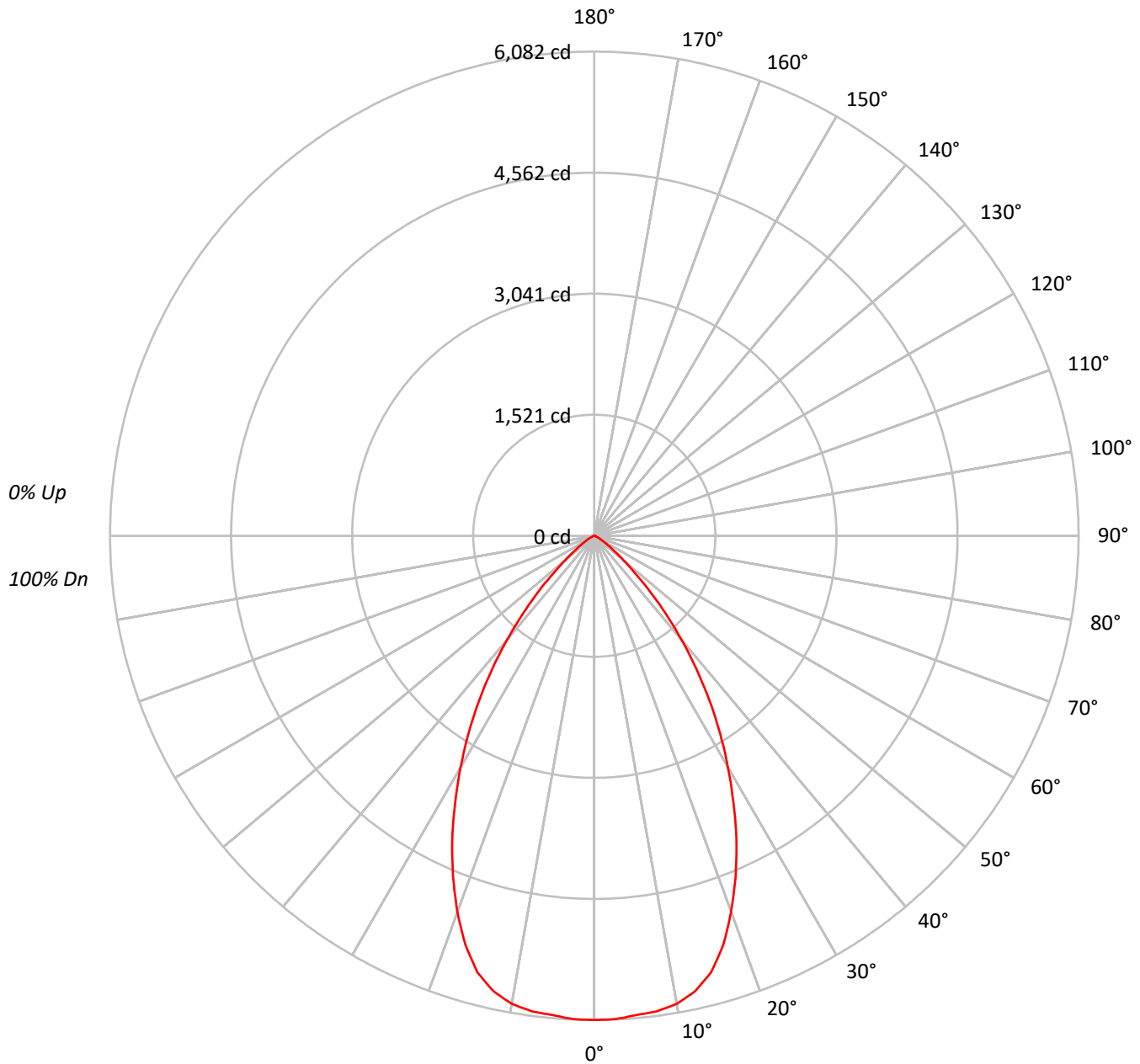


Downlight

TEST NUMBER: P770824

CATALOG NUMBER: LD6D70BD010-EU6DR6570959024-6LBS1LI

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355218
5°	354324
10°	354020
15°	343110
20°	312358
25°	272201
30°	226393
35°	179386
40°	129472
45°	81794
50°	42632
55°	22656
60°	11903
65°	6550
70°	2749
75°	3024
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81794 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.2	8.6
10°-20°	1575.1	23.5
20°-30°	1925.2	28.7
30°-40°	1562.1	23.3
40°-50°	778.4	11.6
50°-60°	217.1	3.2
60°-70°	49.3	0.7
70°-80°	12.8	0.2
80°-90°	3.3	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°	4075.5	60.8
0°-40°	5637.6	84.2
0°-60°	6633.1	99.0
0°-90°	6698.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6698.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6082	
5°	6044	575
15°	5675	1575
25°	4224	1925
35°	2516	1562
45°	990	778
55°	222	217
65°	47	49
75°	13	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6082.1
2.5°	6077.7
5°	6043.7
7.5°	6024.0
10°	5969.5
12.5°	5858.7
15°	5674.6
17.5°	5386.8
20°	5025.7
22.5°	4636.0
25°	4224.0
27.5°	3783.3
30°	3357.0
32.5°	2936.0
35°	2516.0
37.5°	2096.8
40°	1698.2
42.5°	1324.6
45°	990.3
47.5°	690.0
50°	469.2
52.5°	323.5
55°	222.5
57.5°	150.2
60°	101.9
62.5°	70.6
65°	47.4
67.5°	24.1
70°	16.1
72.5°	15.2
75°	13.4
77.5°	8.9
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)