

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: P770898

Luminaire Tested: LD6D70BD010-EU6DR7070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770898
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-EU6DR7070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7330.7 lumens
Efficiency: N/A
Efficacy: 110.1 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 (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

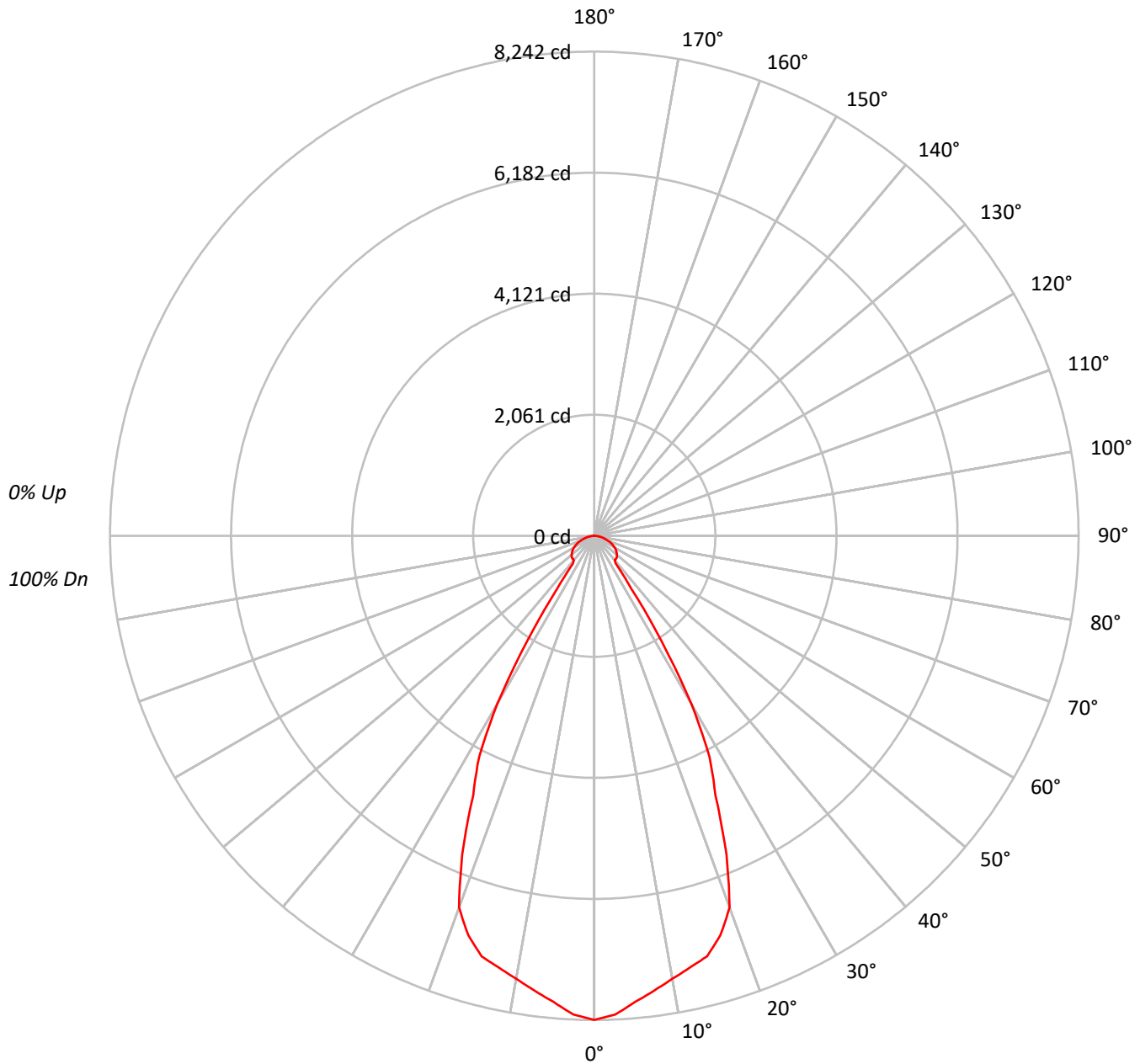


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	900516
5°	873751
10°	849405
15°	838250
20°	782761
25°	588048
30°	415696
35°	147255
40°	77419
45°	82466
50°	85398
55°	86997
60°	87540
65°	85678
70°	80887
75°	74932
80°	66507
85°	54031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 87563 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.4	10.3
10°-20°	2061.1	28.1
20°-30°	2270.0	31.0
30°-40°	867.3	11.8
40°-50°	409.5	5.6
50°-60°	407.1	5.6
60°-70°	326.0	4.4
70°-80°	187.4	2.6
80°-90°	51.0	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°	5082.5	69.3
0°-40°	5949.8	81.2
0°-60°	6766.5	92.3
0°-90°	7330.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7330.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8242	
5°	7966	751
15°	7411	2061
25°	4878	2270
35°	1104	867
45°	534	410
55°	457	407
65°	331	326
75°	178	187
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8241.9
2.5°	8155.7
5°	7966.5
7.5°	7808.6
10°	7656.0
12.5°	7526.8
15°	7410.6
17.5°	7130.1
20°	6732.1
22.5°	5873.4
25°	4877.8
27.5°	4246.2
30°	3294.9
32.5°	2128.3
35°	1104.0
37.5°	596.3
40°	542.8
42.5°	538.9
45°	533.7
47.5°	522.0
50°	502.4
52.5°	480.2
55°	456.7
57.5°	430.6
60°	400.6
62.5°	366.7
65°	331.4
67.5°	292.3
70°	253.2
72.5°	214.0
75°	177.5
77.5°	139.6
80°	105.7
82.5°	74.4
85°	43.1
87.5°	17.0
90°	0.0



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— 0°-180°







(END OF REPORT)