

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: P770937

Luminaire Tested: LD6D70BD010-EU6DR7070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770937
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-EU6DR7070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8645.2 lumens
Efficiency: N/A
Efficacy: 129.8 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 (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

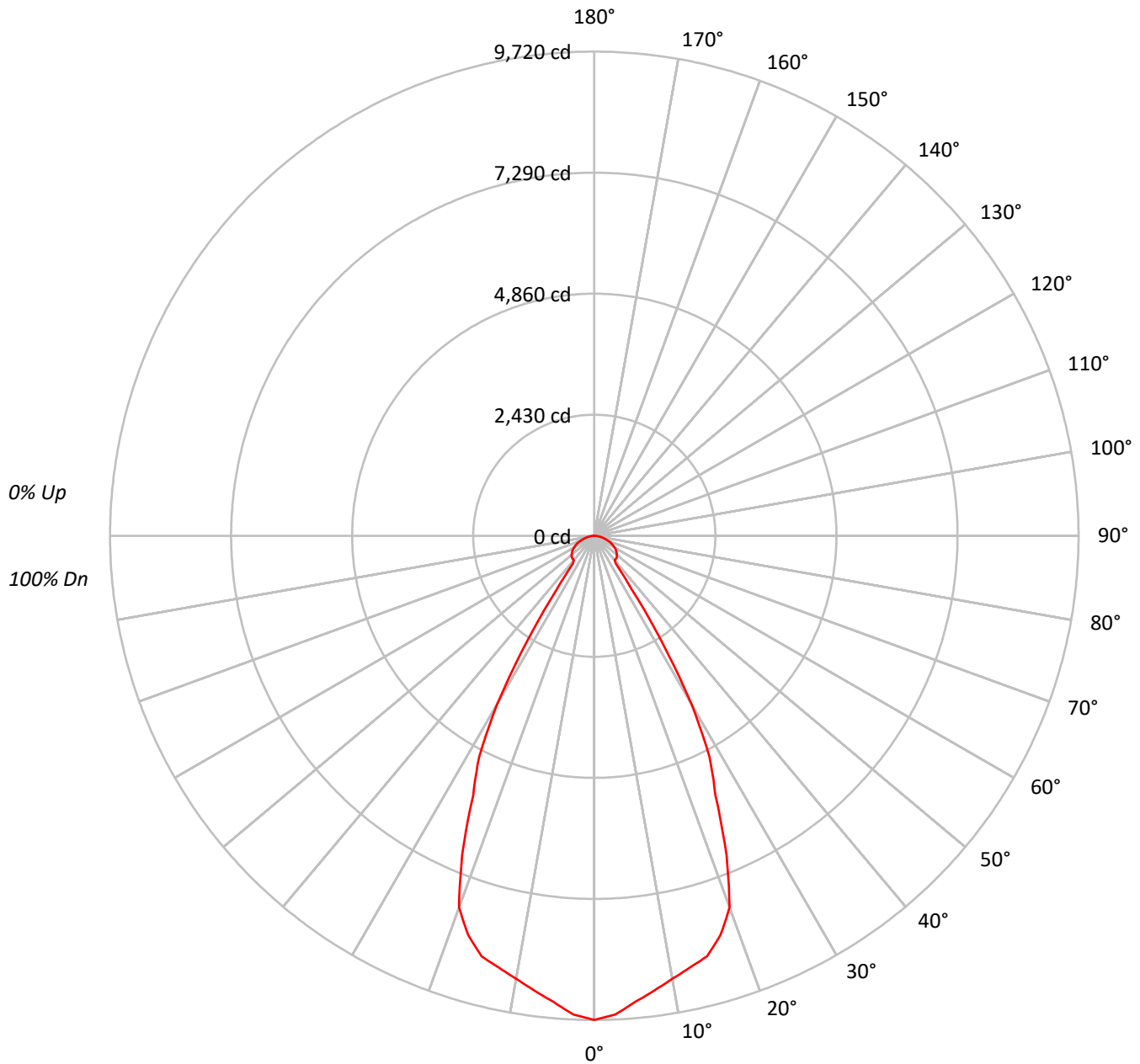


Downlight

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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°	1061982
5°	1030426
10°	1001701
15°	988558
20°	923114
25°	693486
30°	490233
35°	173651
40°	91312
45°	97254
50°	100713
55°	102598
60°	103230
65°	101061
70°	95358
75°	88356
80°	78462
85°	63684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 103262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.1	10.3
10°-20°	2430.7	28.1
20°-30°	2677.0	31.0
30°-40°	1022.8	11.8
40°-50°	483.0	5.6
50°-60°	480.1	5.6
60°-70°	384.4	4.4
70°-80°	221.0	2.6
80°-90°	60.1	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°	5993.9	69.3
0°-40°	7016.7	81.2
0°-60°	7979.8	92.3
0°-90°	8645.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8645.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9720	
5°	9395	886
15°	8739	2431
25°	5752	2677
35°	1302	1023
45°	629	483
55°	539	480
65°	391	384
75°	209	221
85°	51	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9719.7
2.5°	9618.1
5°	9395.0
7.5°	9208.8
10°	9028.7
12.5°	8876.4
15°	8739.4
17.5°	8408.5
20°	7939.2
22.5°	6926.6
25°	5752.4
27.5°	5007.6
30°	3885.7
32.5°	2509.9
35°	1301.9
37.5°	703.3
40°	640.2
42.5°	635.6
45°	629.4
47.5°	615.6
50°	592.5
52.5°	566.3
55°	538.6
57.5°	507.8
60°	472.4
62.5°	432.4
65°	390.9
67.5°	344.7
70°	298.5
72.5°	252.4
75°	209.3
77.5°	164.7
80°	124.7
82.5°	87.7
85°	50.8
87.5°	20.0
90°	0.0



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— 0°-180°







(END OF REPORT)