

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: P753614

Luminaire Tested: LD4D75BD010-EU4DR7070959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753614
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: LD4D75BD010-EU4DR7070959024-4LBDP1LI
Description: 4 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: 6511.0 lumens
Efficiency: N/A
Efficacy: 89.9 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 (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

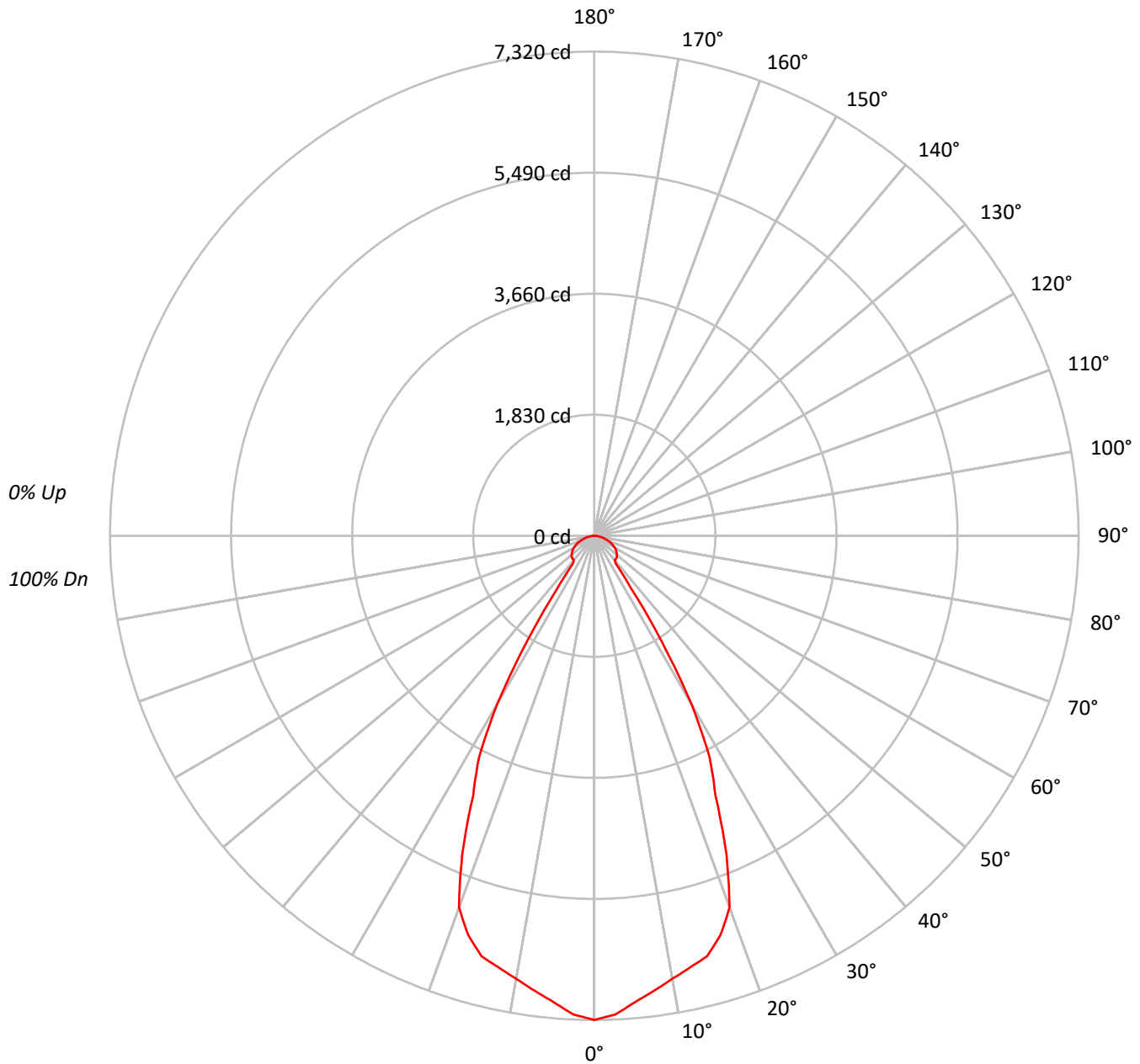


Downlight

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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°	799811
5°	776049
10°	754412
15°	744523
20°	695230
25°	522284
30°	369217
35°	130782
40°	68762
45°	73242
50°	75845
55°	77263
60°	77750
65°	76112
70°	71814
75°	66531
80°	59083
85°	47889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 77782 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.4	10.3
10°-20°	1830.6	28.1
20°-30°	2016.2	31.0
30°-40°	770.3	11.8
40°-50°	363.7	5.6
50°-60°	361.6	5.6
60°-70°	289.5	4.4
70°-80°	166.4	2.6
80°-90°	45.2	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°	4514.2	69.3
0°-40°	5284.5	81.2
0°-60°	6009.8	92.3
0°-90°	6511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7320	
5°	7076	667
15°	6582	1831
25°	4332	2016
35°	980	770
45°	474	364
55°	406	362
65°	294	290
75°	158	166
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7320.2
2.5°	7243.7
5°	7075.7
7.5°	6935.4
10°	6799.8
12.5°	6685.1
15°	6582.0
17.5°	6332.8
20°	5979.3
22.5°	5216.7
25°	4332.3
27.5°	3771.4
30°	2926.5
32.5°	1890.3
35°	980.5
37.5°	529.7
40°	482.1
42.5°	478.7
45°	474.0
47.5°	463.6
50°	446.2
52.5°	426.5
55°	405.6
57.5°	382.5
60°	355.8
62.5°	325.7
65°	294.4
67.5°	259.6
70°	224.8
72.5°	190.1
75°	157.6
77.5°	124.0
80°	93.9
82.5°	66.1
85°	38.2
87.5°	15.1
90°	0.0



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— 0°-180°







(END OF REPORT)