

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: P752782

Luminaire Tested: LD4D70BD010-EU4DR6570959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6240.7 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

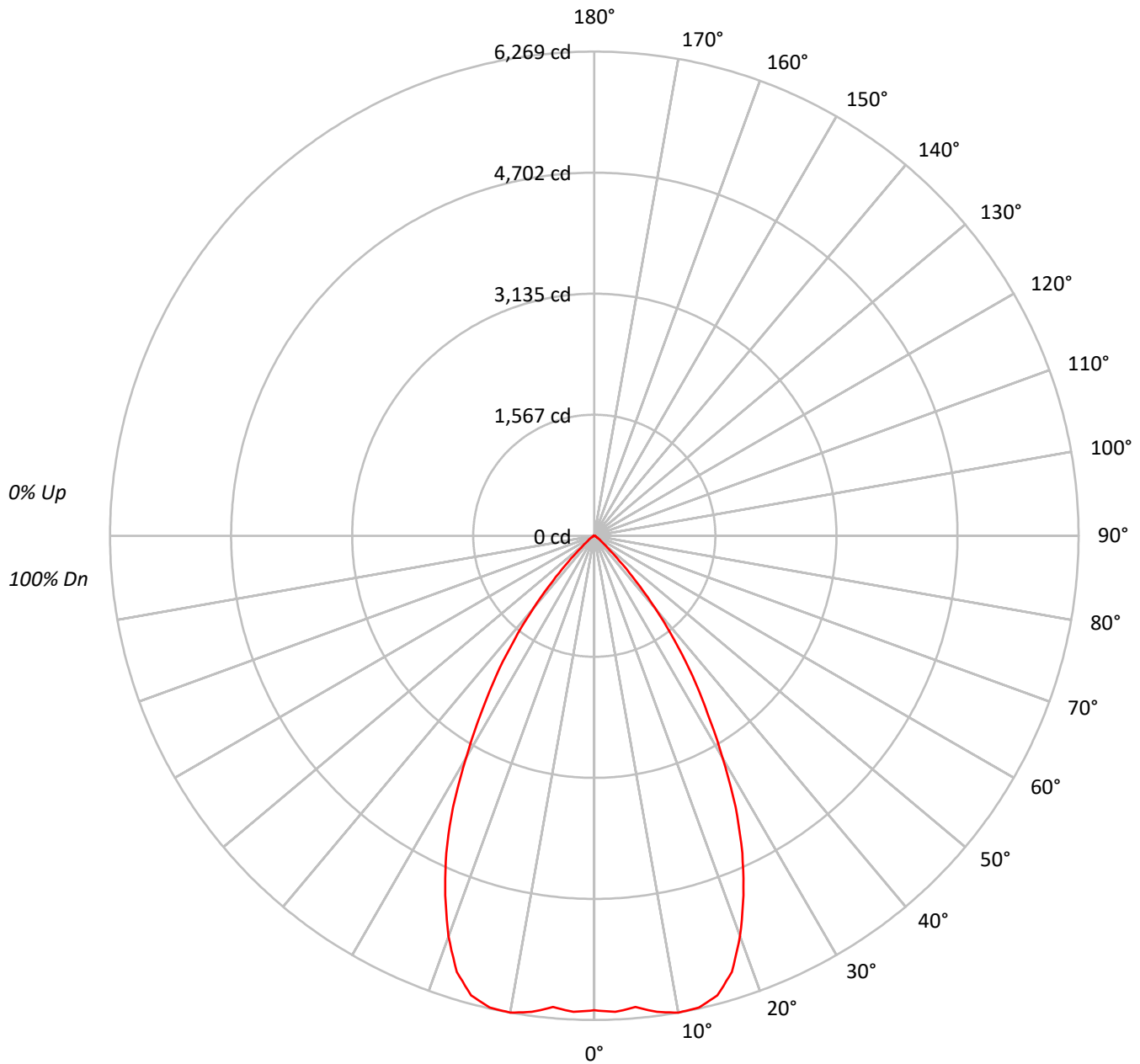


Downlight

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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	671342
5°	671899
10°	695555
15°	696710
20°	641431
25°	546528
30°	418396
35°	295590
40°	174479
45°	70831
50°	25684
55°	14306
60°	8195
65°	4524
70°	4728
75°	3673
80°	3838
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70831 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.7	9.5
10°-20°	1706.7	27.3
20°-30°	2047.7	32.8
30°-40°	1376.1	22.1
40°-50°	411.9	6.6
50°-60°	72.7	1.2
60°-70°	20.7	0.3
70°-80°	10.1	0.2
80°-90°	3.2	0.1
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°	4346.0	69.6
0°-40°	5722.1	91.7
0°-60°	6206.7	99.5
0°-90°	6240.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6240.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6144	
5°	6126	592
15°	6159	1707
25°	4533	2048
35°	2216	1376
45°	458	412
55°	75	73
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6144.4
2.5°	6170.6
5°	6126.1
7.5°	6218.6
10°	6269.3
12.5°	6257.1
15°	6159.3
17.5°	5920.0
20°	5516.6
22.5°	5041.6
25°	4533.4
27.5°	3959.8
30°	3316.3
32.5°	2733.0
35°	2216.1
37.5°	1705.3
40°	1223.3
42.5°	798.9
45°	458.4
47.5°	242.7
50°	151.1
52.5°	104.8
55°	75.1
57.5°	54.1
60°	37.5
62.5°	24.4
65°	17.5
67.5°	15.7
70°	14.8
72.5°	11.4
75°	8.7
77.5°	7.9
80°	6.1
82.5°	4.4
85°	2.6
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)