

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: P753553

Luminaire Tested: LD4D75BD010-EU4DR6570959027-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753553
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: LD4D75BD010-EU4DR6570959027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6739.5 lumens
Efficiency: N/A
Efficacy: 93.1 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): 72.4
Input Voltage (V): NR
Input Current (A_{in}): 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

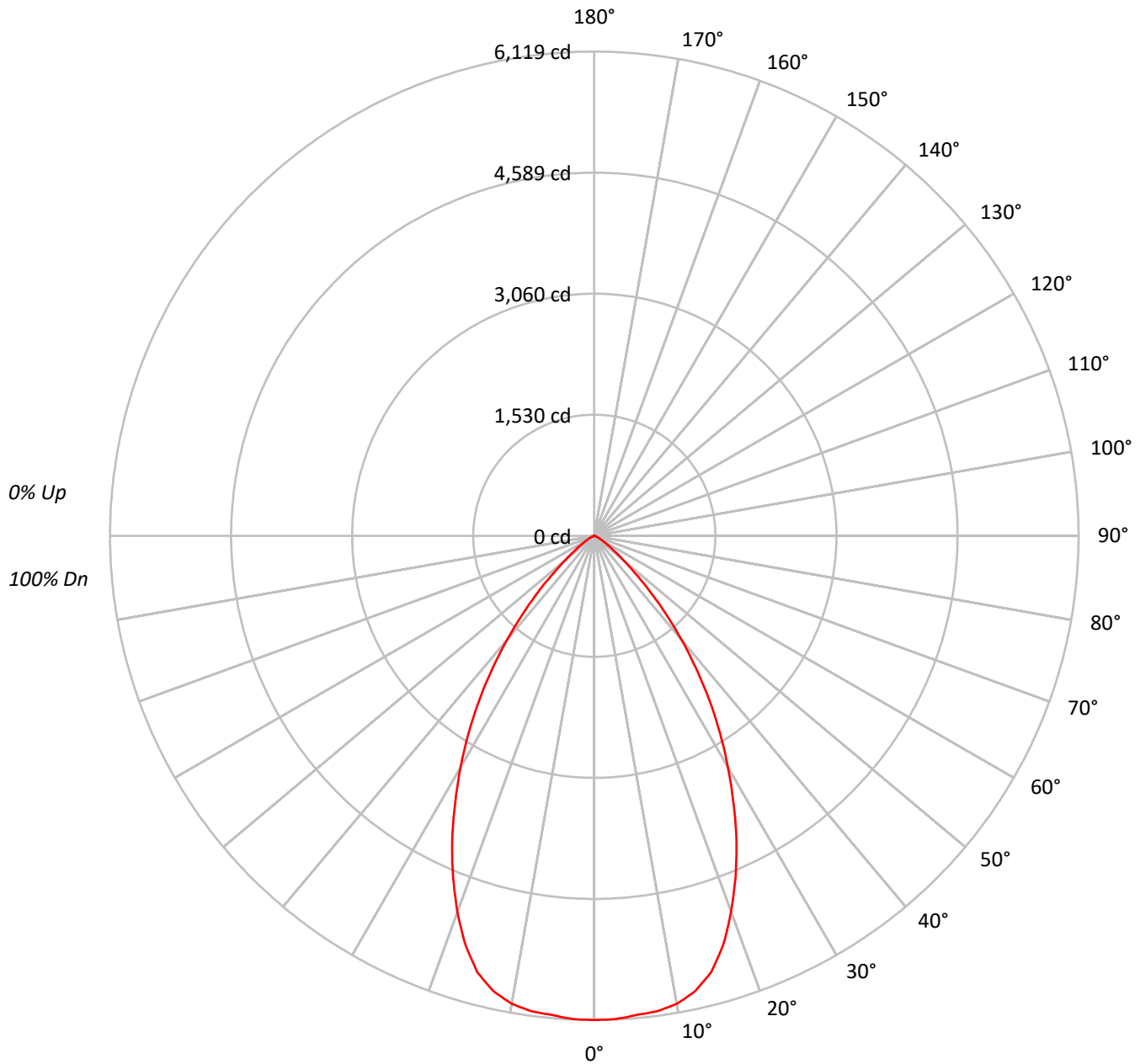


Downlight

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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	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°	357391
5°	356487
10°	356185
15°	345202
20°	314266
25°	273864
30°	227775
35°	180477
40°	130257
45°	82298
50°	42895
55°	22798
60°	11973
65°	6592
70°	2766
75°	3046
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82298 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.7	8.6
10°-20°	1584.7	23.5
20°-30°	1937.0	28.7
30°-40°	1571.6	23.3
40°-50°	783.2	11.6
50°-60°	218.4	3.2
60°-70°	49.6	0.7
70°-80°	12.9	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°	4100.4	60.8
0°-40°	5672.0	84.2
0°-60°	6673.6	99.0
0°-90°	6739.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6739.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6119	
5°	6081	579
15°	5709	1585
25°	4250	1937
35°	2531	1572
45°	996	783
55°	224	218
65°	48	50
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6119.3
2.5°	6114.8
5°	6080.6
7.5°	6060.8
10°	6006.0
12.5°	5894.5
15°	5709.2
17.5°	5419.7
20°	5056.4
22.5°	4664.3
25°	4249.8
27.5°	3806.5
30°	3377.5
32.5°	2954.0
35°	2531.3
37.5°	2109.6
40°	1708.5
42.5°	1332.7
45°	996.4
47.5°	694.2
50°	472.1
52.5°	325.5
55°	223.9
57.5°	151.1
60°	102.5
62.5°	71.0
65°	47.7
67.5°	24.3
70°	16.2
72.5°	15.3
75°	13.5
77.5°	9.0
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)