

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: P753604

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753604
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-EU4DR6570959050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7044.6 lumens
Efficiency: N/A
Efficacy: 97.3 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 (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

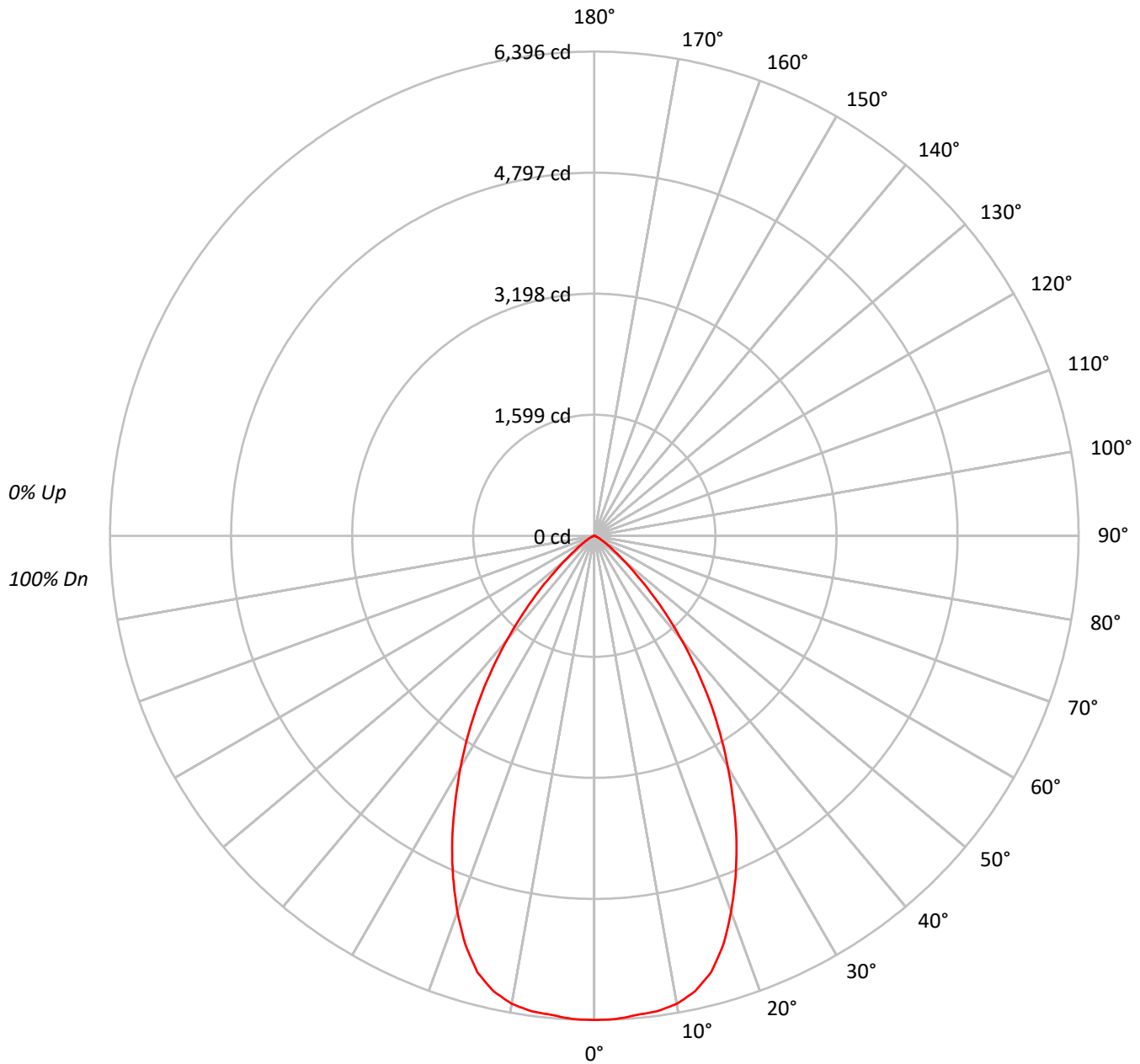


Downlight

TEST NUMBER: P753604

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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°	373569
5°	372627
10°	372304
15°	360832
20°	328492
25°	286256
30°	238087
35°	188647
40°	136159
45°	86023
50°	44840
55°	23827
60°	12522
65°	6882
70°	2886
75°	3182
80°	2220
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.9	8.6
10°-20°	1656.4	23.5
20°-30°	2024.7	28.7
30°-40°	1642.8	23.3
40°-50°	818.6	11.6
50°-60°	228.3	3.2
60°-70°	51.9	0.7
70°-80°	13.5	0.2
80°-90°	3.5	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°	4286.0	60.8
0°-40°	5928.8	84.2
0°-60°	6975.7	99.0
0°-90°	7044.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7044.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6396	
5°	6356	605
15°	5968	1656
25°	4442	2025
35°	2646	1643
45°	1042	819
55°	234	228
65°	50	52
75°	14	14
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6396.3
2.5°	6391.6
5°	6355.9
7.5°	6335.2
10°	6277.8
12.5°	6161.3
15°	5967.7
17.5°	5665.0
20°	5285.3
22.5°	4875.5
25°	4442.1
27.5°	3978.8
30°	3530.4
32.5°	3087.7
35°	2645.9
37.5°	2205.1
40°	1785.9
42.5°	1393.0
45°	1041.5
47.5°	725.6
50°	493.5
52.5°	340.3
55°	234.0
57.5°	157.9
60°	107.2
62.5°	74.3
65°	49.8
67.5°	25.4
70°	16.9
72.5°	16.0
75°	14.1
77.5°	9.4
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)