

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: P753383

Luminaire Tested: LD4D75BD010-EU4DR5570959024-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5570959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6612.4 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' 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

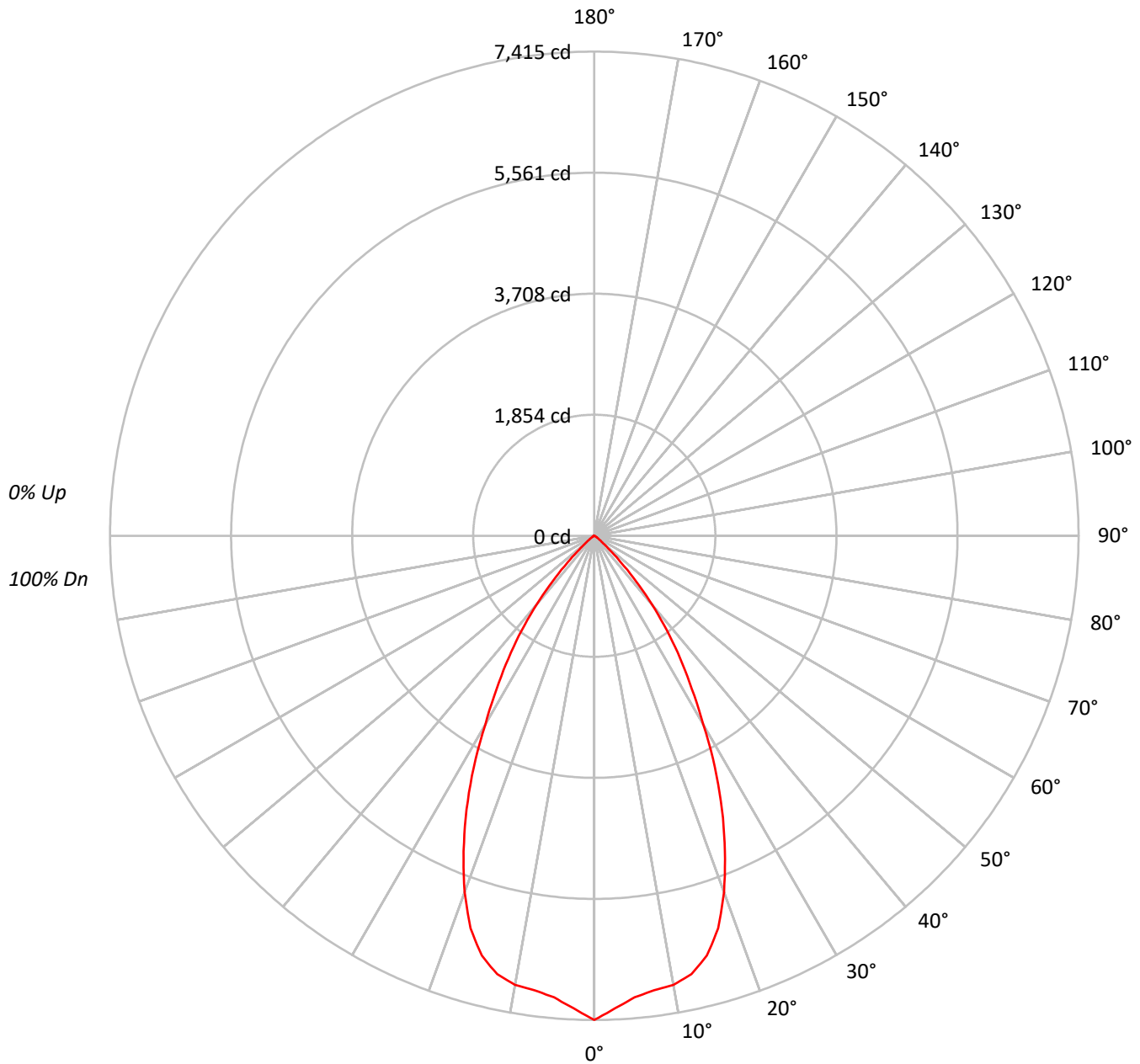


Downlight

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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	108	106	111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96	106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87	100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80	95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74	91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68	86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64	82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59	78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56	74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52	71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	810136
5°	777958
10°	775026
15°	752769
20°	674964
25°	557824
30°	421361
35°	305527
40°	195531
45°	89296
50°	29202
55°	12610
60°	5419
65°	724
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89296 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.9	10.2
10°-20°	1842.1	27.9
20°-30°	2099.2	31.7
30°-40°	1429.1	21.6
40°-50°	492.4	7.4
50°-60°	68.1	1.0
60°-70°	6.6	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	4616.2	69.8
0°-40°	6045.3	91.4
0°-60°	6605.8	99.9
0°-90°	6612.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6612.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7415	
5°	7093	675
15°	6655	1842
25°	4627	2099
35°	2291	1429
45°	578	492
55°	66	68
65°	3	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7414.7
2.5°	7244.7
5°	7093.1
7.5°	7018.7
10°	6985.6
12.5°	6875.4
15°	6654.9
17.5°	6304.8
20°	5805.0
22.5°	5228.0
25°	4627.1
27.5°	4001.4
30°	3339.8
32.5°	2779.4
35°	2290.6
37.5°	1825.7
40°	1370.9
42.5°	950.0
45°	577.9
47.5°	311.5
50°	171.8
52.5°	102.0
55°	66.2
57.5°	42.3
60°	24.8
62.5°	11.0
65°	2.8
67.5°	0.9
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)