

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: P756656

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756656
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: LD4D95BD010-EU4DR6570959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6940.6 lumens
Efficiency: N/A
Efficacy: 70.0 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): 99.2
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

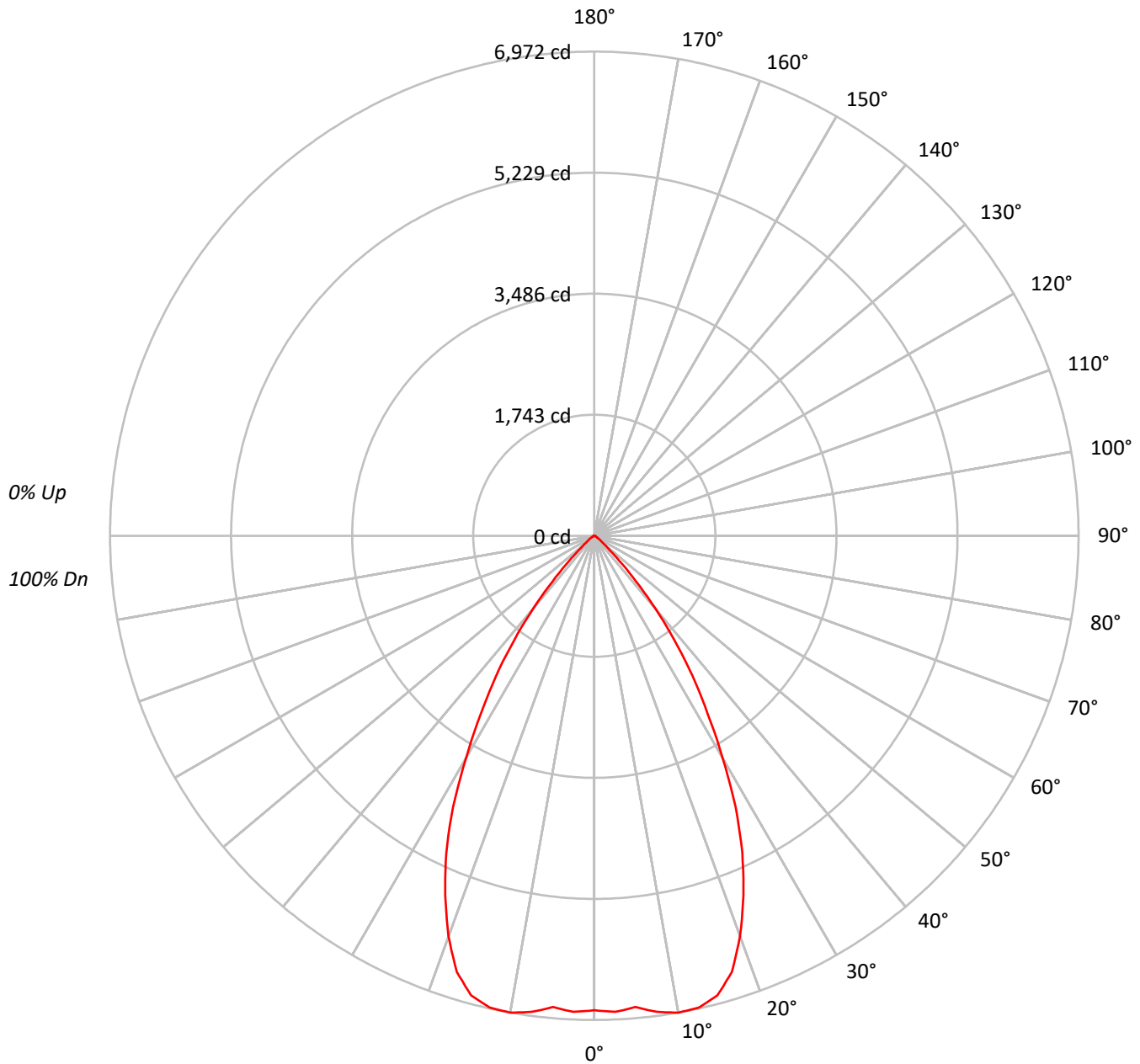


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	746633
5°	747248
10°	773562
15°	774838
20°	713369
25°	607831
30°	465316
35°	328735
40°	194048
45°	78773
50°	28557
55°	15906
60°	9134
65°	5016
70°	5271
75°	4095
80°	4279
85°	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 78773 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.0	9.5
10°-20°	1898.1	27.3
20°-30°	2277.3	32.8
30°-40°	1530.4	22.1
40°-50°	458.1	6.6
50°-60°	80.8	1.2
60°-70°	23.0	0.3
70°-80°	11.2	0.2
80°-90°	3.6	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°	4833.4	69.6
0°-40°	6363.8	91.7
0°-60°	6902.8	99.5
0°-90°	6940.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6940.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6834	
5°	6813	658
15°	6850	1898
25°	5042	2277
35°	2465	1530
45°	510	458
55°	84	81
65°	19	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6833.5
2.5°	6862.6
5°	6813.1
7.5°	6916.1
10°	6972.4
12.5°	6958.8
15°	6850.0
17.5°	6583.9
20°	6135.3
22.5°	5607.0
25°	5041.9
27.5°	4403.9
30°	3688.2
32.5°	3039.5
35°	2464.6
37.5°	1896.5
40°	1360.5
42.5°	888.5
45°	509.8
47.5°	270.0
50°	168.0
52.5°	116.5
55°	83.5
57.5°	60.2
60°	41.8
62.5°	27.2
65°	19.4
67.5°	17.5
70°	16.5
72.5°	12.6
75°	9.7
77.5°	8.7
80°	6.8
82.5°	4.9
85°	2.9
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)