

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: P756714

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756714
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-EU4DR6570959040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6244.2 lumens
Efficiency: N/A
Efficacy: 62.9 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

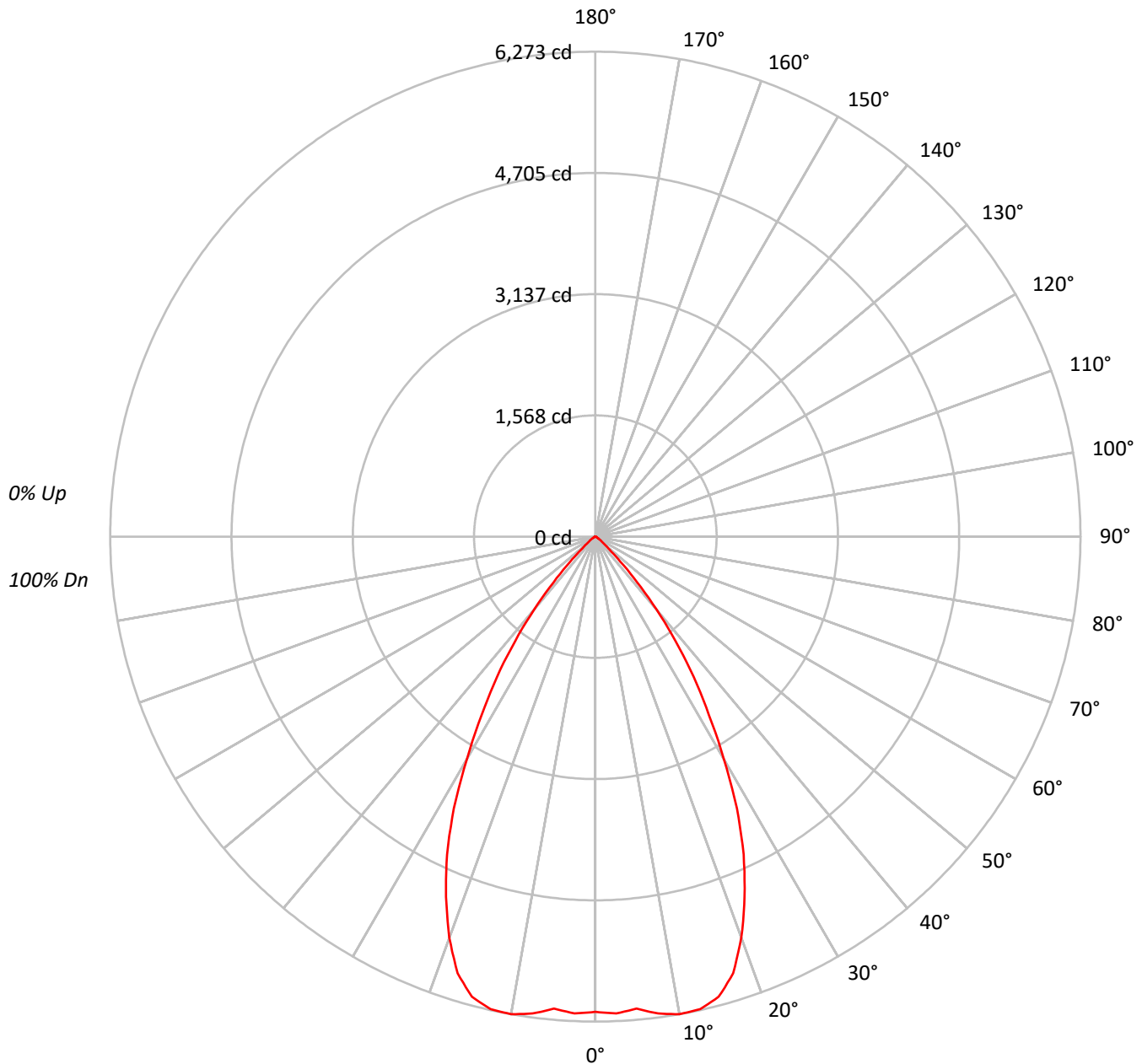
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	671713
5°	672272
10°	695933
15°	697094
20°	641791
25°	546830
30°	418623
35°	295750
40°	174579
45°	70877
50°	25684
55°	14306
60°	8216
65°	4524
70°	4760
75°	3673
80°	3838
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.0	9.5
10°-20°	1707.6	27.3
20°-30°	2048.8	32.8
30°-40°	1376.8	22.1
40°-50°	412.2	6.6
50°-60°	72.7	1.2
60°-70°	20.7	0.3
70°-80°	10.2	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°	4348.4	69.6
0°-40°	5725.2	91.7
0°-60°	6210.1	99.5
0°-90°	6244.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6244.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6148	
5°	6130	592
15°	6163	1708
25°	4536	2049
35°	2217	1377
45°	459	412
55°	75	73
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6147.8
2.5°	6174.0
5°	6129.5
7.5°	6222.1
10°	6272.7
12.5°	6260.5
15°	6162.7
17.5°	5923.3
20°	5519.7
22.5°	5044.4
25°	4535.9
27.5°	3962.0
30°	3318.1
32.5°	2734.5
35°	2217.3
37.5°	1706.2
40°	1224.0
42.5°	799.4
45°	458.7
47.5°	242.9
50°	151.1
52.5°	104.8
55°	75.1
57.5°	54.2
60°	37.6
62.5°	24.5
65°	17.5
67.5°	15.7
70°	14.9
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)