

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: P756117

Luminaire Tested: LD4D95BD010-EU4DR3070959024-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3070959024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193.4 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

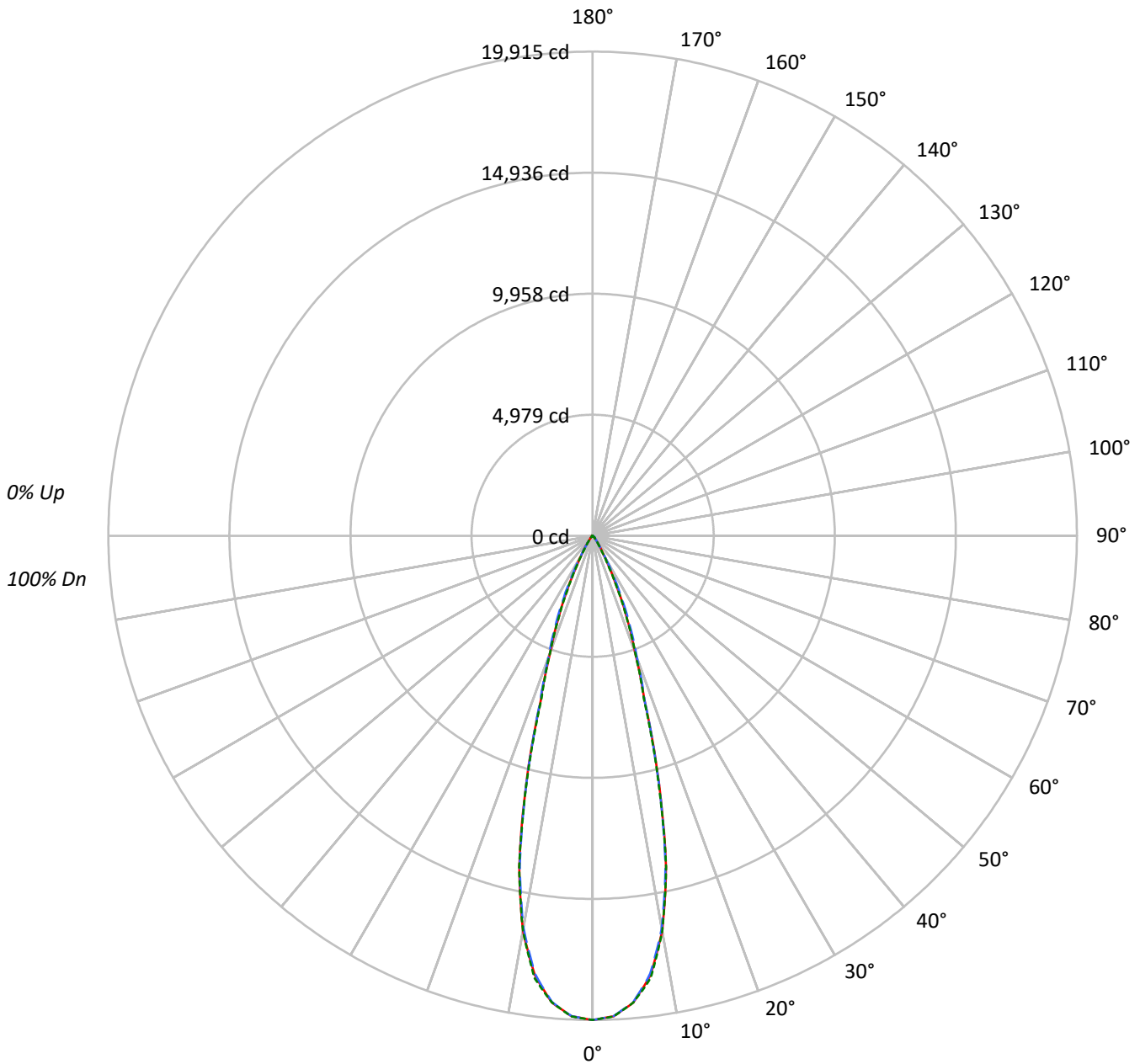
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96								
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92								
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89								
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85								
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82								
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79								
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77								
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74								
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72								
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1524346	1524346	1524346
5°	1480587	1478858	1480664
10°	1282410	1273371	1282107
15°	836709	832216	828032
20°	416060	431667	415498
25°	209578	236334	205288
30°	83912	91434	73112
35°	38919	37274	31247
40°	16807	18665	15827
45°	11853	14711	11961
50°	4073	10717	4311
55°	2349	4431	2482
60°	1653	1944	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14711 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1751.2	28.3
10°-20°	2820.3	45.5
20°-30°	1218.7	19.7
30°-40°	277.8	4.5
40°-50°	95.4	1.5
50°-60°	23.3	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5790.3	93.5
0°-40°	6068.1	98.0
0°-60°	6186.7	99.9
0°-90°	6193.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6193.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19915	19915	19915	19915	19915	
5°	19270	19251	19247	19287	19270	1753
15°	10559	10432	10502	10468	10449	2827
25°	2482	2575	2798	2510	2431	1188
35°	416	425	399	396	334	283
45°	110	136	136	136	110	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19914.8	19914.8	19914.8	19914.8	19914.8
2.5°	19782.8	19769.1	19776.9	19786.7	19790.6
5°	19269.5	19250.9	19247.0	19287.1	19270.5
7.5°	18234.1	18207.7	18167.6	18258.5	18343.6
10°	16499.5	16470.2	16383.2	16426.2	16495.6
12.5°	13938.8	13844.0	13842.0	13978.9	13960.3
15°	10558.7	10431.6	10502.0	10467.8	10449.2
17.5°	7100.4	7051.5	7145.4	7117.0	6994.8
20°	5107.8	5120.5	5299.4	5209.5	5100.9
22.5°	3727.2	3773.1	3985.3	3753.6	3668.5
25°	2481.5	2575.4	2798.3	2509.9	2430.7
27.5°	1526.3	1569.3	1795.1	1506.7	1463.7
30°	949.4	927.9	1034.5	887.8	827.2
32.5°	622.8	595.4	629.7	565.1	516.3
35°	416.5	425.3	398.9	396.0	334.4
37.5°	260.1	299.2	264.0	281.6	215.1
40°	168.2	217.1	186.8	206.3	158.4
42.5°	137.9	167.2	153.5	163.3	140.8
45°	109.5	135.9	135.9	135.9	110.5
47.5°	60.6	90.9	116.4	92.9	64.5
50°	34.2	46.0	90.0	47.9	36.2
52.5°	23.5	26.4	61.6	27.4	24.4
55°	17.6	18.6	33.2	19.6	18.6
57.5°	13.7	14.7	17.6	14.7	13.7
60°	10.8	10.8	12.7	11.7	10.8
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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