

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: P1313051

Luminaire Tested: LDSQA3D24R459050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R459050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

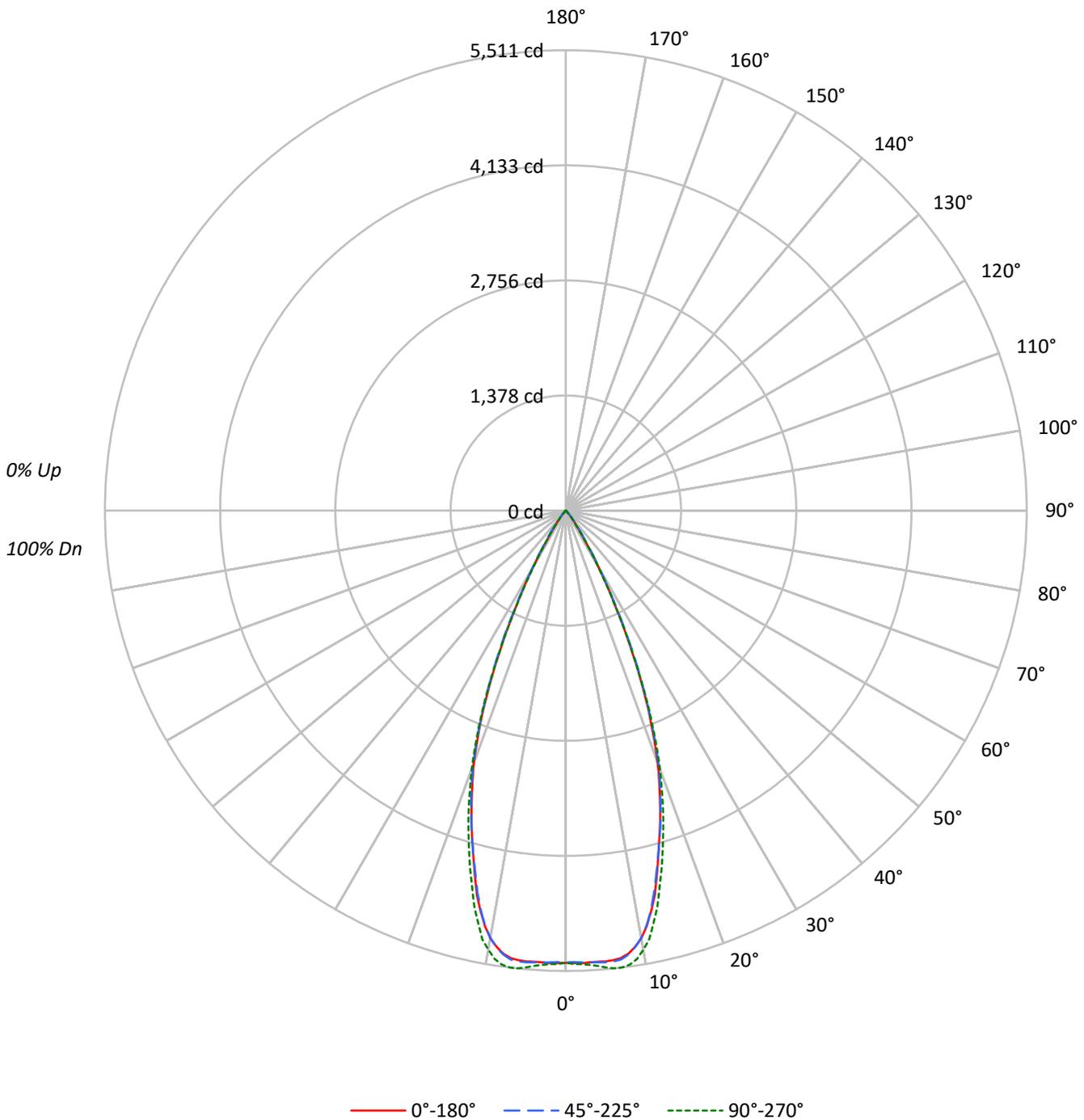
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2801.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1313051
CATALOG NUMBER: LDSQA3D24R459050D010 3LSQCDR1MW

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			0	
RW	70	50	30	10	70	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	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	932052	932052	932052
5°	936684	938465	949183
10°	908883	908149	933437
15°	761707	761350	789325
20°	588846	594894	603215
25°	360975	368443	361773
30°	154797	161777	149885
35°	48630	58616	47326
40°	16704	21358	16255
45°	3020	9060	2509
50°	1661	3322	1661
55°	1862	1862	1862
60°	1412	1412	1412
65°	1671	1671	1671
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	18.4
10°-20°	1188.5	42.4
20°-30°	870.2	31.1
30°-40°	192.3	6.9
40°-50°	23.6	0.8
50°-60°	5.5	0.2
60°-70°	3.9	0.1
70°-80°	2.3	0.1
80°-90°	0.3	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°	2573.1	91.9
0°-40°	2765.4	98.7
0°-60°	2794.5	99.8
0°-90°	2801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5412	5412	5412	5412	5412	
5°	5418	5414	5428	5468	5490	512
15°	4272	4249	4270	4373	4427	1179
25°	1900	1898	1939	1924	1904	860
35°	231	244	279	244	225	182
45°	12	21	37	21	10	17
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	5411.9	5411.9	5411.9	5411.9	5411.9
1°	5416.0	5407.8	5405.7	5420.2	5430.5
2°	5420.2	5409.8	5411.9	5426.4	5432.6
3°	5416.0	5405.7	5416.0	5436.7	5445.0
4°	5414.0	5409.8	5420.2	5449.1	5463.5
5°	5418.1	5414.0	5428.4	5467.7	5490.4
6°	5411.9	5405.7	5426.4	5475.9	5509.0
7°	5397.5	5391.3	5414.0	5473.9	5511.0
8°	5358.2	5345.8	5368.6	5442.9	5488.3
9°	5288.0	5271.5	5294.2	5380.9	5434.6
10°	5197.2	5178.6	5193.0	5277.7	5337.6
11°	5067.1	5042.3	5058.8	5149.7	5228.1
12°	4901.9	4866.8	4887.4	4990.7	5046.4
13°	4722.3	4689.2	4693.4	4786.3	4864.7
14°	4499.3	4455.9	4474.5	4571.5	4633.5
15°	4272.1	4249.4	4270.1	4373.3	4427.0
17.5°	3751.8	3749.7	3768.3	3844.7	3873.6
20°	3212.9	3219.1	3245.9	3287.2	3291.3
22.5°	2574.8	2576.9	2605.8	2634.7	2628.5
25°	1899.6	1897.6	1938.9	1924.4	1903.8
27.5°	1259.5	1267.8	1305.0	1278.1	1257.5
30°	778.4	795.0	813.5	780.5	753.7
32.5°	421.2	448.1	474.9	446.0	419.2
35°	231.3	243.6	278.8	243.6	225.1
37.5°	134.2	140.4	163.1	140.4	128.0
40°	74.3	84.7	95.0	84.7	72.3
42.5°	31.0	47.5	57.8	47.5	31.0
45°	12.4	20.6	37.2	20.6	10.3
47.5°	6.2	8.3	22.7	8.3	6.2
50°	6.2	6.2	12.4	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	4.1	4.1	4.1	6.2	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	2.1	2.1	2.1	4.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
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



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CATALOG NUMBER: LDSQA3D24R459050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)