

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: P1309756

Luminaire Tested: LDSQA3D24R559030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R559030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

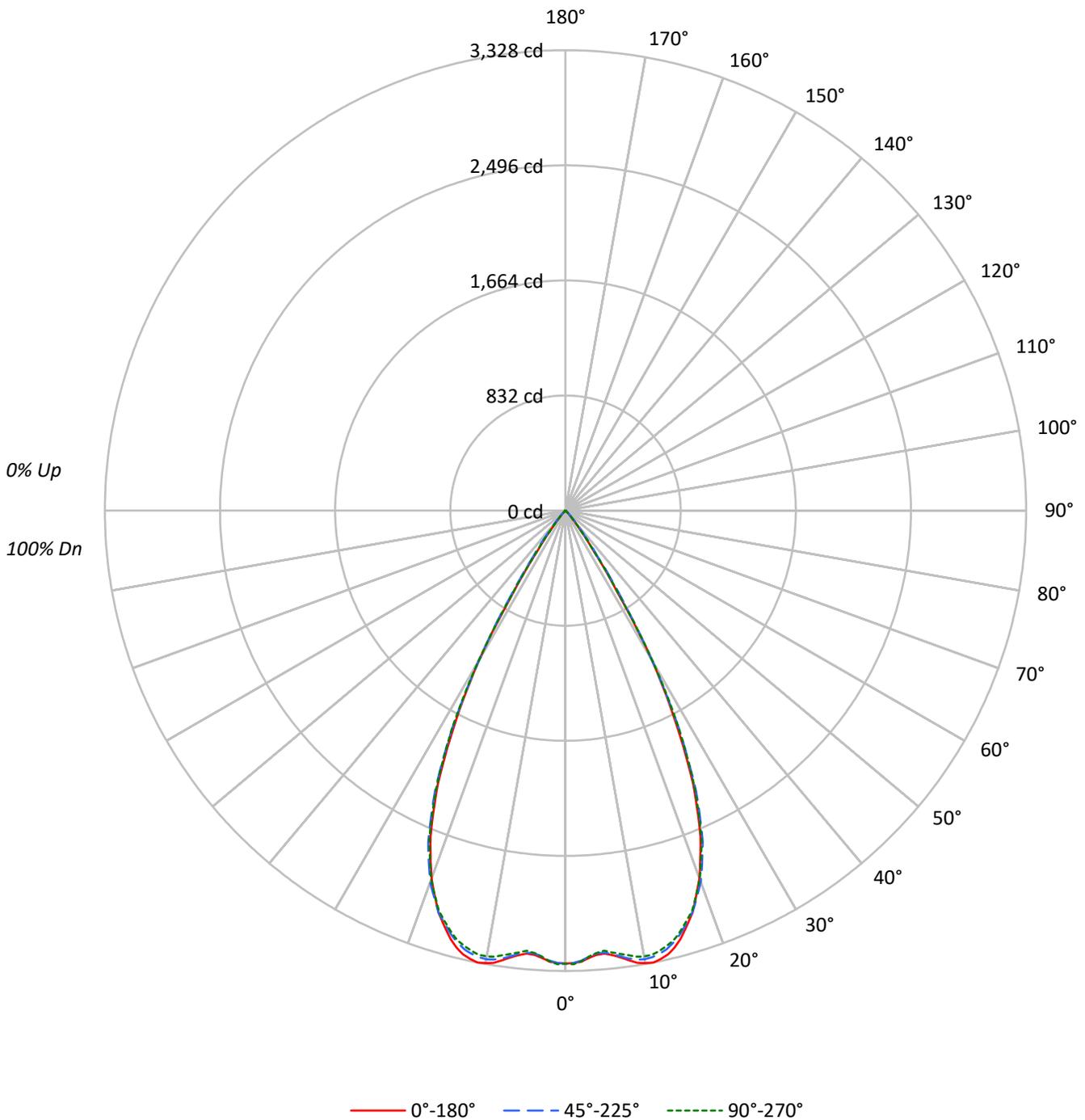
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2510.9 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	563926	563926	563926
5°	555845	554860	552215
10°	580967	575965	572293
15°	571909	566792	564420
20°	518578	523838	519989
25°	414695	423398	419408
30°	248701	248701	251724
35°	71862	85107	74259
40°	20594	27900	20594
45°	4652	10692	4652
50°	2036	3590	1527
55°	1711	1711	1711
60°	1963	1963	1963
65°	1549	1549	1549
70°	1913	1913	1913
75°	1264	1264	1264
80°	1884	1884	1884
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 10692 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	12.4
10°-20°	884.9	35.2
20°-30°	974.9	38.8
30°-40°	298.2	11.9
40°-50°	29.5	1.2
50°-60°	5.4	0.2
60°-70°	4.3	0.2
70°-80°	2.4	0.1
80°-90°	0.8	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°	2170.3	86.4
0°-40°	2468.5	98.3
0°-60°	2503.4	99.7
0°-90°	2510.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2510.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3274	3274	3274	3274	3274	
5°	3215	3215	3210	3200	3194	312
15°	3208	3202	3179	3166	3166	889
25°	2182	2203	2228	2249	2207	962
35°	342	359	405	372	353	280
45°	19	29	44	29	19	22
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	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3274.4	3274.4	3274.4	3274.4	3274.4
1°	3270.6	3272.5	3270.6	3266.8	3280.1
2°	3263.0	3261.0	3255.3	3253.4	3259.1
3°	3238.1	3238.1	3230.5	3226.7	3228.6
4°	3219.0	3219.0	3207.6	3203.8	3205.7
5°	3215.2	3215.2	3209.5	3199.9	3194.2
6°	3230.5	3234.3	3220.9	3211.4	3211.4
7°	3253.4	3255.3	3245.8	3232.4	3228.6
8°	3282.0	3284.0	3268.7	3253.4	3245.8
9°	3310.7	3306.9	3285.9	3270.6	3264.9
10°	3322.1	3320.2	3293.5	3278.2	3272.5
11°	3327.9	3318.3	3287.8	3274.4	3272.5
12°	3314.5	3306.9	3274.4	3261.0	3255.3
13°	3291.6	3280.1	3253.4	3240.0	3232.4
14°	3255.3	3243.9	3219.0	3203.8	3205.7
15°	3207.6	3201.9	3178.9	3165.6	3165.6
17.5°	3049.1	3052.9	3047.2	3041.5	3037.7
20°	2829.5	2844.8	2858.2	2850.5	2837.2
22.5°	2548.9	2575.6	2590.9	2594.7	2569.9
25°	2182.3	2203.3	2228.1	2249.1	2207.1
27.5°	1726.0	1745.1	1768.0	1781.4	1775.6
30°	1250.6	1252.5	1250.6	1275.4	1265.8
32.5°	695.0	752.3	761.8	779.0	717.9
35°	341.8	358.9	404.8	372.3	353.2
37.5°	164.2	175.7	219.6	179.5	171.8
40°	91.6	99.3	124.1	103.1	91.6
42.5°	43.9	57.3	66.8	59.2	43.9
45°	19.1	28.6	43.9	28.6	19.1
47.5°	7.6	11.5	26.7	11.5	7.6
50°	7.6	5.7	13.4	5.7	5.7
52.5°	5.7	5.7	7.6	5.7	5.7
55°	5.7	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7
62.5°	3.8	5.7	5.7	5.7	3.8
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.8	3.8	3.8	3.8	3.8
72.5°	1.9	3.8	1.9	1.9	1.9
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)