

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: P1313069

Luminaire Tested: LDSQA3D24R559050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313069
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: LDSQA3D24R559050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

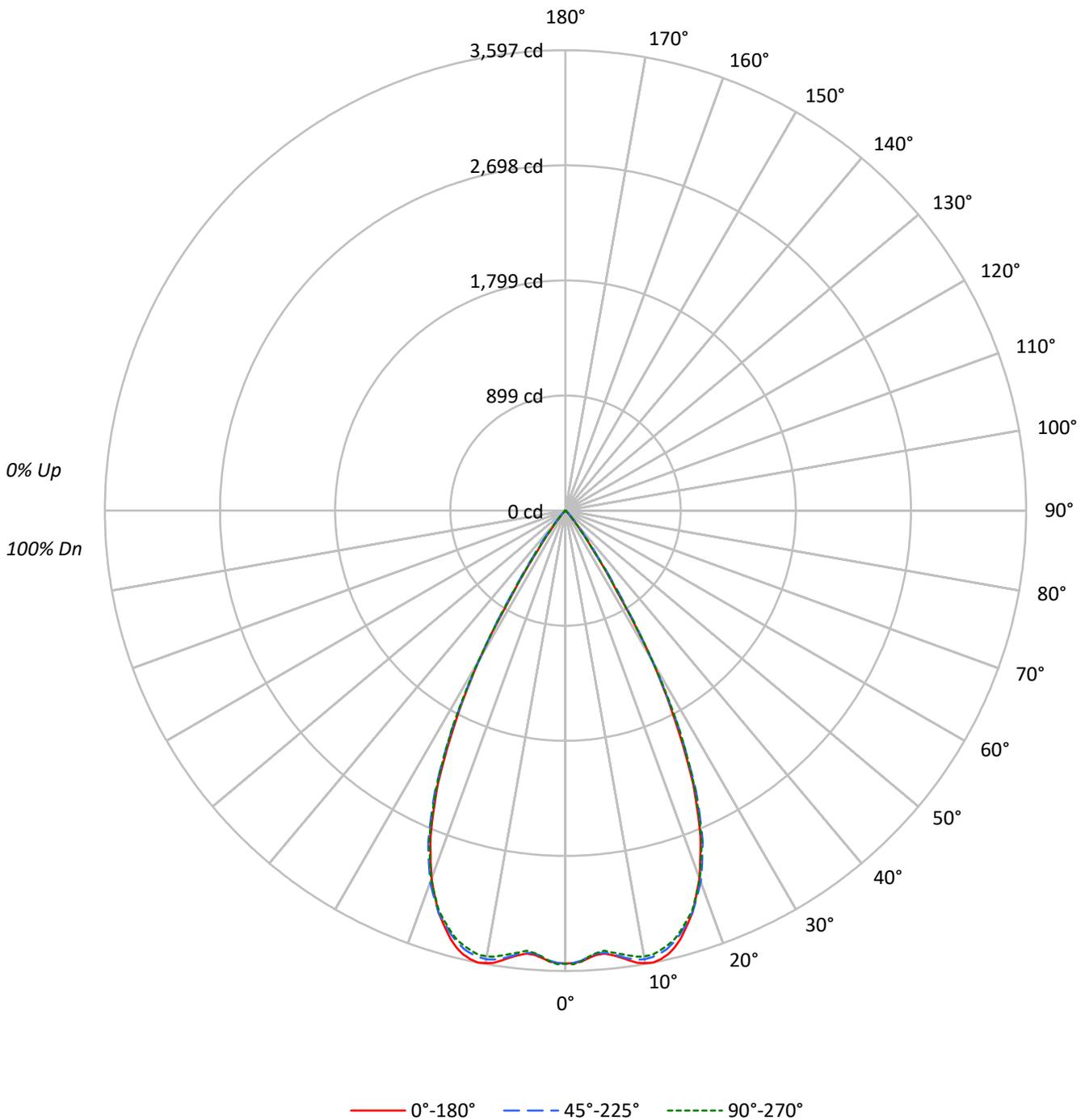
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2714.1 lumens
Efficiency: N/A
Efficacy: 94.2 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°	609513	609513	609513
5°	600794	599722	596870
10°	627940	622536	618566
15°	618141	612614	610047
20°	560511	566193	562033
25°	448216	457641	453328
30°	268807	268807	272088
35°	77665	91982	80272
40°	22280	30148	22280
45°	5017	11569	5017
50°	2224	3858	1661
55°	1862	1862	1862
60°	2136	2136	2136
65°	1671	1671	1671
70°	2065	2065	2065
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 11569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.5	12.4
10°-20°	956.5	35.2
20°-30°	1053.8	38.8
30°-40°	322.3	11.9
40°-50°	31.9	1.2
50°-60°	5.9	0.2
60°-70°	4.7	0.2
70°-80°	2.6	0.1
80°-90°	0.9	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°	2345.7	86.4
0°-40°	2668.1	98.3
0°-60°	2705.9	99.7
0°-90°	2714.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3539	3539	3539	3539	3539	
5°	3475	3475	3469	3459	3452	337
15°	3467	3461	3436	3422	3422	961
25°	2359	2381	2408	2431	2386	1039
35°	369	388	438	402	382	303
45°	21	31	48	31	21	24
55°	6	6	6	6	6	6
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°	3539.1	3539.1	3539.1	3539.1	3539.1
1°	3535.0	3537.1	3535.0	3530.9	3545.3
2°	3526.7	3524.7	3518.5	3516.4	3522.6
3°	3499.9	3499.9	3491.7	3487.5	3489.6
4°	3479.3	3479.3	3466.9	3462.8	3464.8
5°	3475.2	3475.2	3469.0	3458.6	3452.5
6°	3491.7	3495.8	3481.3	3471.0	3471.0
7°	3516.4	3518.5	3508.2	3493.7	3489.6
8°	3547.4	3549.4	3532.9	3516.4	3508.2
9°	3578.3	3574.2	3551.5	3535.0	3528.8
10°	3590.7	3588.7	3559.8	3543.3	3537.1
11°	3596.9	3586.6	3553.6	3539.1	3537.1
12°	3582.5	3574.2	3539.1	3524.7	3518.5
13°	3557.7	3545.3	3516.4	3502.0	3493.7
14°	3518.5	3506.1	3479.3	3462.8	3464.8
15°	3466.9	3460.7	3435.9	3421.5	3421.5
17.5°	3295.6	3299.7	3293.6	3287.4	3283.2
20°	3058.3	3074.8	3089.3	3081.0	3066.6
22.5°	2754.9	2783.8	2800.3	2804.5	2777.6
25°	2358.7	2381.4	2408.3	2431.0	2385.6
27.5°	1865.5	1886.2	1910.9	1925.4	1919.2
30°	1351.7	1353.7	1351.7	1378.5	1368.2
32.5°	751.2	813.1	823.4	842.0	775.9
35°	369.4	388.0	437.5	402.4	381.8
37.5°	177.5	189.9	237.3	194.0	185.7
40°	99.1	107.3	134.1	111.4	99.1
42.5°	47.5	61.9	72.2	64.0	47.5
45°	20.6	31.0	47.5	31.0	20.6
47.5°	8.3	12.4	28.9	12.4	8.3
50°	8.3	6.2	14.4	6.2	6.2
52.5°	6.2	6.2	8.3	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°	6.2	6.2	6.2	6.2	6.2
62.5°	4.1	6.2	6.2	6.2	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°	4.1	4.1	4.1	4.1	4.1
72.5°	2.1	4.1	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°	2.1	2.1	2.1	2.1	2.1
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)