

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: P1309280

Luminaire Tested: LDSQA3D13R409030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

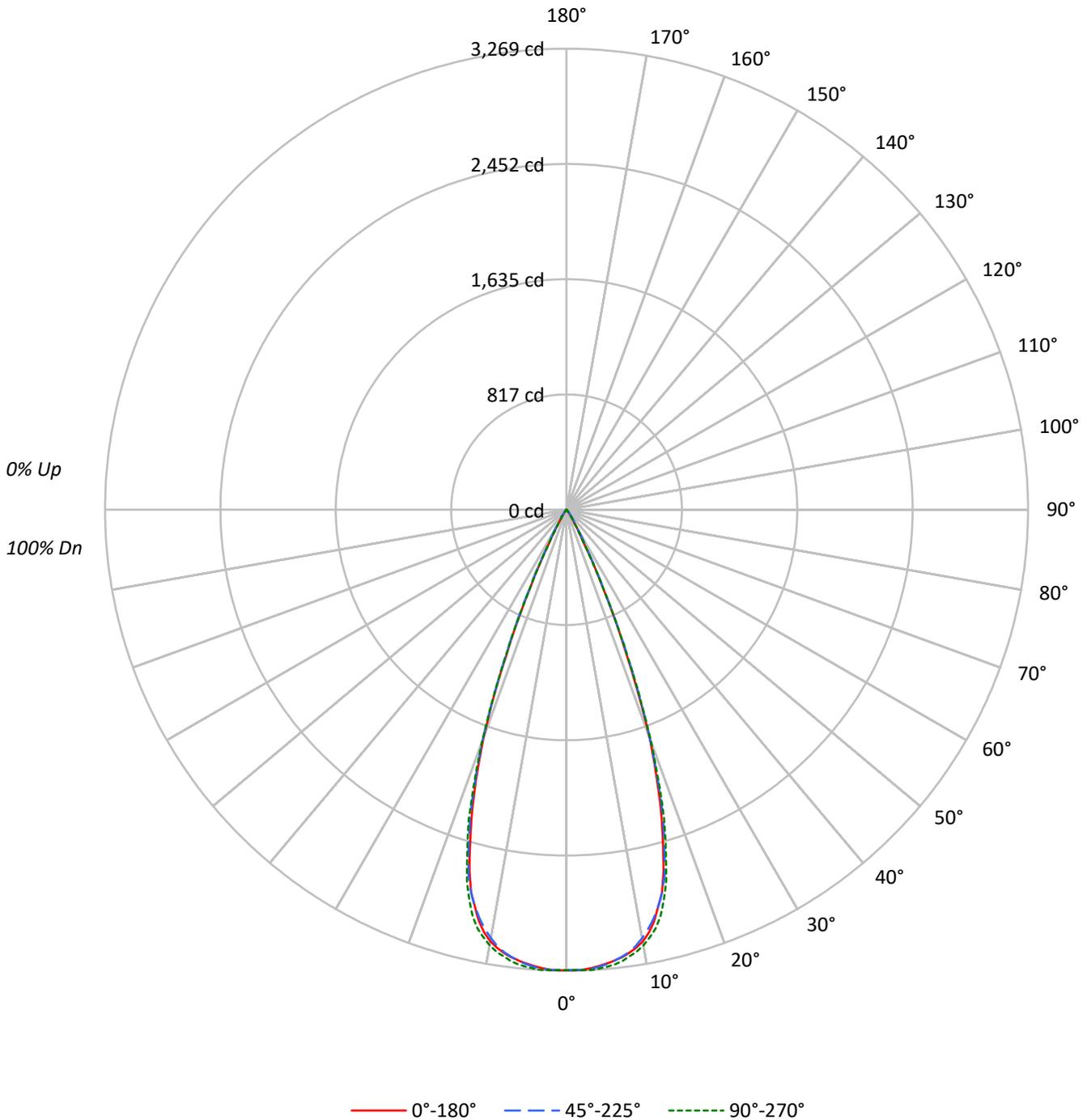
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1382.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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				
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	562376	562376	562376
5°	558646	559476	562501
10°	543508	539433	548439
15°	473559	478409	485862
20°	315435	317048	320072
25°	114681	118197	115232
30°	24361	32654	24361
35°	8578	14507	8179
40°	3058	4586	3058
45°	706	1900	706
50°	509	777	509
55°	570	570	570
60°	654	654	654
65°	408	774	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1900 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.1	22.1
10°-20°	711.1	51.5
20°-30°	320.0	23.2
30°-40°	36.4	2.6
40°-50°	5.2	0.4
50°-60°	1.7	0.1
60°-70°	1.5	0.1
70°-80°	0.9	0.1
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°	1336.2	96.7
0°-40°	1372.6	99.3
0°-60°	1379.6	99.8
0°-90°	1382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3265	3265	3265	3265	3265	
5°	3231	3228	3236	3251	3254	305
15°	2656	2663	2683	2705	2725	705
25°	604	607	622	622	606	312
35°	41	46	69	44	39	31
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	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°	3265.4	3265.4	3265.4	3265.4	3265.4
1°	3267.3	3264.4	3263.4	3269.3	3264.4
2°	3264.4	3262.5	3263.4	3269.3	3265.4
3°	3255.7	3256.6	3259.5	3270.2	3269.3
4°	3245.0	3244.0	3249.8	3263.4	3263.4
5°	3231.4	3227.5	3236.2	3250.8	3253.7
6°	3215.8	3211.0	3217.8	3236.2	3243.0
7°	3198.3	3188.6	3194.4	3216.8	3225.5
8°	3175.0	3162.4	3169.2	3191.5	3198.3
9°	3145.8	3126.4	3132.2	3159.5	3173.1
10°	3107.9	3083.6	3084.6	3114.7	3136.1
11°	3054.5	3027.3	3028.3	3066.2	3088.5
12°	2983.5	2959.3	2964.1	2999.1	3035.1
13°	2887.3	2880.5	2886.4	2924.3	2957.3
14°	2794.0	2787.2	2797.9	2832.9	2848.5
15°	2656.0	2662.8	2683.2	2704.6	2725.0
17.5°	2218.7	2244.9	2269.2	2283.8	2301.3
20°	1721.1	1691.0	1729.9	1712.4	1746.4
22.5°	1110.8	1133.2	1142.9	1133.2	1137.1
25°	603.5	607.4	622.0	622.0	606.4
27.5°	256.6	277.0	295.4	288.6	256.6
30°	122.5	140.9	164.2	141.9	122.5
32.5°	69.0	81.6	105.9	79.7	67.1
35°	40.8	45.7	69.0	43.7	38.9
37.5°	24.3	25.3	37.9	26.2	23.3
40°	13.6	16.5	20.4	16.5	13.6
42.5°	6.8	9.7	12.6	9.7	6.8
45°	2.9	4.9	7.8	4.9	2.9
47.5°	2.9	2.9	4.9	2.9	2.9
50°	1.9	1.9	2.9	1.9	1.9
52.5°	1.9	1.9	1.9	1.9	1.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.0	1.9	1.9	1.9	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
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



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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)