

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: P1309278

Luminaire Tested: LDSQA3D13R409030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

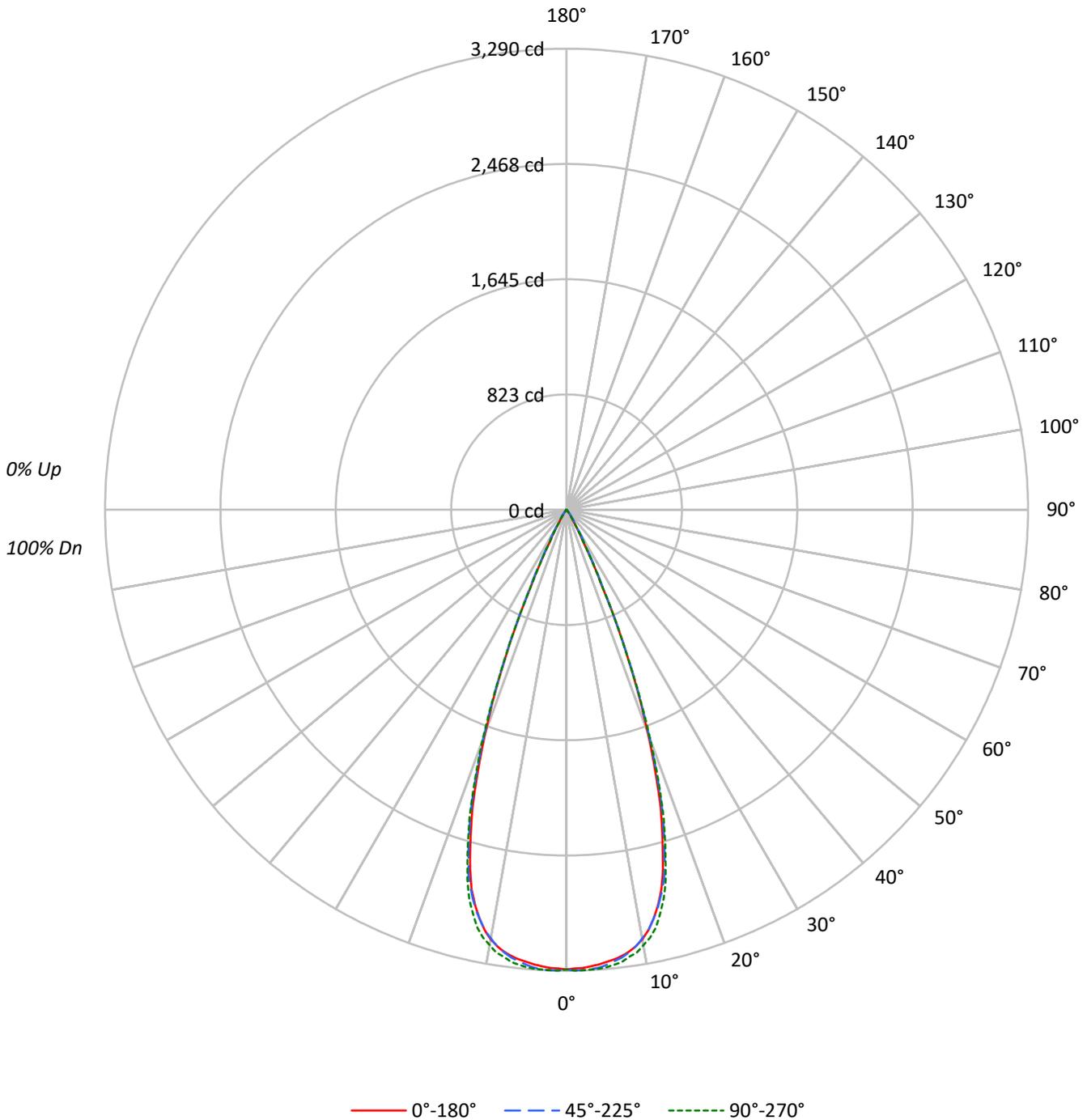
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1380.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 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 (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

TEST NUMBER: P1309278
CATALOG NUMBER: LDSQA3D13R409030DE010 3LSQCDR1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1309278
 CATALOG NUMBER: LDSQA3D13R409030DE010 3LSQCDR1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	565183	565183	565183
5°	560288	563815	566495
10°	544330	543315	551797
15°	473542	481155	487057
20°	310780	316847	320934
25°	110805	117265	110234
30°	24162	32654	24341
35°	7758	13477	7569
40°	2406	4159	2181
45°	244	1413	244
50°	0	268	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1413 cd/sqm



TEST NUMBER: P1309278

CATALOG NUMBER: LDSQA3D13R409030DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.9	22.2
10°-20°	714.7	51.8
20°-30°	320.5	23.2
30°-40°	34.6	2.5
40°-50°	3.2	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1342.1	97.3
0°-40°	1376.8	99.8
0°-60°	1380.0	100.0
0°-90°	1380.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1380.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3282	3282	3282	3282	3282	
5°	3241	3250	3261	3266	3277	306
15°	2656	2675	2699	2714	2732	706
25°	583	601	617	628	580	311
35°	37	43	64	42	36	29
45°	1	2	6	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1309278

CATALOG NUMBER: LDSQA3D13R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3281.7	3281.7	3281.7	3281.7	3281.7
1°	3274.9	3281.7	3287.5	3282.6	3289.5
2°	3272.0	3279.7	3288.5	3283.6	3289.5
3°	3264.2	3273.9	3283.6	3280.7	3286.5
4°	3253.5	3261.3	3275.8	3275.8	3284.6
5°	3240.9	3249.6	3261.3	3266.1	3276.8
6°	3227.3	3232.1	3240.9	3250.6	3265.2
7°	3209.8	3209.8	3220.5	3230.2	3249.6
8°	3185.5	3183.5	3191.3	3203.9	3221.4
9°	3155.3	3148.5	3154.4	3172.8	3199.1
10°	3112.6	3106.8	3106.8	3130.1	3155.3
11°	3057.2	3055.3	3056.2	3078.6	3112.6
12°	2982.4	2984.3	2984.3	3009.6	3051.4
13°	2897.8	2896.9	2905.6	2933.8	2962.0
14°	2794.8	2800.6	2809.4	2834.7	2863.8
15°	2655.9	2675.3	2698.6	2714.2	2731.7
17.5°	2233.1	2252.6	2284.6	2297.3	2301.2
20°	1695.7	1723.9	1728.8	1754.1	1751.1
22.5°	1137.0	1135.0	1138.9	1141.8	1142.8
25°	583.1	600.6	617.1	627.8	580.1
27.5°	253.6	283.8	305.1	277.0	256.5
30°	121.5	138.0	164.2	139.0	122.4
32.5°	66.1	76.8	104.0	75.8	65.1
35°	36.9	42.8	64.1	41.8	36.0
37.5°	21.4	23.3	35.0	23.3	20.4
40°	10.7	13.6	18.5	13.6	9.7
42.5°	3.9	6.8	9.7	6.8	3.9
45°	1.0	1.9	5.8	1.9	1.0
47.5°	0.0	0.0	2.9	0.0	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	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



TEST NUMBER: P1309278
CATALOG NUMBER: LDSQA3D13R409030DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)