

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: P1311516

Luminaire Tested: LDSQA3D13R409040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311516
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: LDSQA3D13R409040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

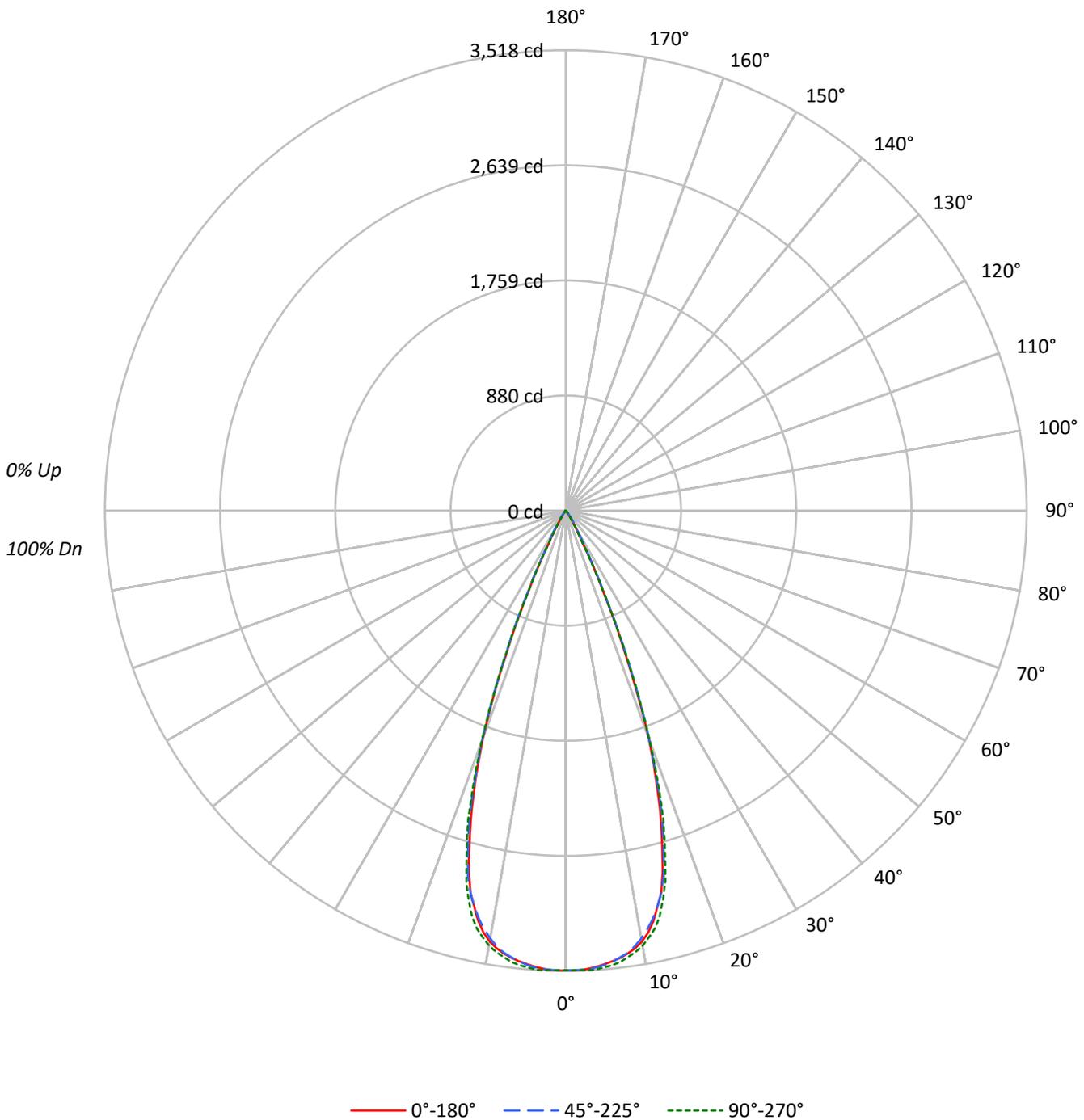
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1486.9 lumens
Efficiency: N/A
Efficacy: 101.8 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

TEST NUMBER: P1311516
CATALOG NUMBER: LDSQA3D13R409040DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1311516

CATALOG NUMBER: LDSQA3D13R409040DE010 3LSQCDR1MW

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	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	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	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	605104	605104	605104
5°	601088	601987	605237
10°	584814	580425	590113
15°	509540	514764	522788
20°	339408	341131	344393
25°	123403	127166	123992
30°	26210	35140	26210
35°	9230	15600	8788
40°	3282	4946	3282
45°	755	2046	755
50°	563	831	563
55°	631	631	631
60°	723	723	723
65°	408	856	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: 2046 cd/sqm



TEST NUMBER: P1311516

CATALOG NUMBER: LDSQA3D13R409040DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.3	22.1
10°-20°	765.1	51.5
20°-30°	344.3	23.2
30°-40°	39.2	2.6
40°-50°	5.6	0.4
50°-60°	1.9	0.1
60°-70°	1.6	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°	1437.7	96.7
0°-40°	1476.9	99.3
0°-60°	1484.4	99.8
0°-90°	1486.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1486.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3514	3514	3514	3514	3514	
5°	3477	3473	3482	3498	3501	328
15°	2858	2865	2887	2910	2932	759
25°	649	654	669	669	652	336
35°	44	49	74	47	42	33
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



TEST NUMBER: P1311516

CATALOG NUMBER: LDSQA3D13R409040DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3513.5	3513.5	3513.5	3513.5	3513.5
1°	3515.6	3512.4	3511.4	3517.7	3512.4
2°	3512.4	3510.3	3511.4	3517.7	3513.5
3°	3503.0	3504.1	3507.2	3518.7	3517.7
4°	3491.5	3490.5	3496.7	3511.4	3511.4
5°	3476.9	3472.7	3482.1	3497.8	3500.9
6°	3460.1	3454.9	3462.2	3482.1	3489.4
7°	3441.3	3430.9	3437.1	3461.2	3470.6
8°	3416.2	3402.6	3410.0	3434.0	3441.3
9°	3384.9	3363.9	3370.2	3399.5	3414.1
10°	3344.1	3317.9	3319.0	3351.4	3374.4
11°	3286.6	3257.3	3258.3	3299.1	3323.2
12°	3210.2	3184.1	3189.3	3227.0	3265.6
13°	3106.7	3099.4	3105.7	3146.4	3182.0
14°	3006.3	2999.0	3010.5	3048.1	3064.9
15°	2857.8	2865.2	2887.1	2910.1	2932.1
17.5°	2387.3	2415.5	2441.7	2457.3	2476.2
20°	1851.9	1819.5	1861.3	1842.5	1879.1
22.5°	1195.2	1219.3	1229.7	1219.3	1223.4
25°	649.4	653.5	669.2	669.2	652.5
27.5°	276.1	298.0	317.9	310.6	276.1
30°	131.8	151.6	176.7	152.7	131.8
32.5°	74.2	87.8	114.0	85.7	72.2
35°	43.9	49.1	74.2	47.1	41.8
37.5°	26.1	27.2	40.8	28.2	25.1
40°	14.6	17.8	22.0	17.8	14.6
42.5°	7.3	10.5	13.6	10.5	7.3
45°	3.1	5.2	8.4	5.2	3.1
47.5°	3.1	3.1	5.2	3.1	3.1
50°	2.1	2.1	3.1	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.0	2.1	2.1	2.1	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



TEST NUMBER: P1311516
CATALOG NUMBER: LDSQA3D13R409040DE010 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)