

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: P1312591

Luminaire Tested: LDSQA3D13R409050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312591
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: LDSQA3D13R409050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

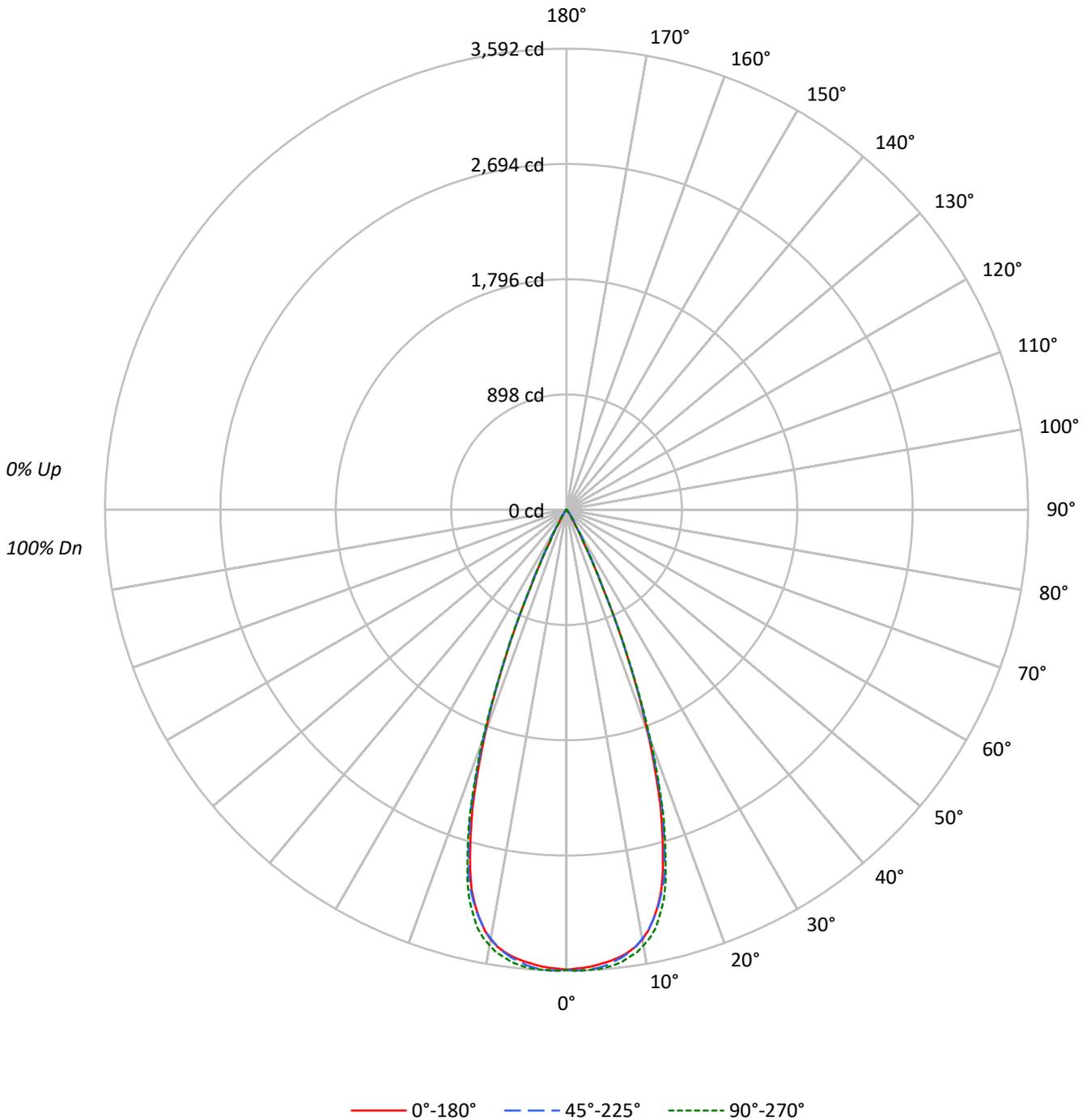
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1507.0 lumens
Efficiency: N/A
Efficacy: 103.2 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 (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
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°	617194	617194	617194
5°	611841	615697	618636
10°	594415	593314	602582
15°	517118	525444	531863
20°	339390	346006	350478
25°	120990	128059	120382
30°	26389	35657	26588
35°	8473	14717	8263
40°	2630	4541	2383
45°	268	1559	268
50°	0	295	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: 1559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.1	22.2
10°-20°	780.5	51.8
20°-30°	350.0	23.2
30°-40°	37.8	2.5
40°-50°	3.5	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°	1465.7	97.3
0°-40°	1503.5	99.8
0°-60°	1507.0	100.0
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3584	3584	3584	3584	3584	
5°	3539	3549	3561	3567	3578	334
15°	2900	2922	2947	2964	2983	771
25°	637	656	674	686	634	340
35°	40	47	70	46	39	31
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3583.7	3583.7	3583.7	3583.7	3583.7
1°	3576.3	3583.7	3590.1	3584.7	3592.2
2°	3573.1	3581.6	3591.1	3585.8	3592.2
3°	3564.6	3575.2	3585.8	3582.6	3589.0
4°	3552.9	3561.4	3577.3	3577.3	3586.9
5°	3539.1	3548.7	3561.4	3566.7	3578.4
6°	3524.3	3529.6	3539.1	3549.7	3565.6
7°	3505.2	3505.2	3516.8	3527.4	3548.7
8°	3478.6	3476.5	3485.0	3498.8	3517.9
9°	3445.7	3438.3	3444.7	3464.8	3493.5
10°	3399.0	3392.7	3392.7	3418.1	3445.7
11°	3338.5	3336.4	3337.5	3361.9	3399.0
12°	3256.8	3259.0	3259.0	3286.5	3332.2
13°	3164.5	3163.5	3173.0	3203.8	3234.6
14°	3052.0	3058.4	3067.9	3095.5	3127.4
15°	2900.3	2921.5	2947.0	2963.9	2983.0
17.5°	2438.6	2459.9	2494.9	2508.7	2512.9
20°	1851.8	1882.6	1887.9	1915.5	1912.3
22.5°	1241.6	1239.5	1243.7	1246.9	1248.0
25°	636.7	655.8	673.9	685.5	633.5
27.5°	277.0	309.9	333.2	302.4	280.2
30°	132.7	150.7	179.3	151.8	133.7
32.5°	72.2	83.8	113.5	82.8	71.1
35°	40.3	46.7	70.0	45.6	39.3
37.5°	23.3	25.5	38.2	25.5	22.3
40°	11.7	14.9	20.2	14.9	10.6
42.5°	4.2	7.4	10.6	7.4	4.2
45°	1.1	2.1	6.4	2.1	1.1
47.5°	0.0	0.0	3.2	0.0	0.0
50°	0.0	0.0	1.1	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



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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)