

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: P1319266

Luminaire Tested: LDSQA3D13R409835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319266
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: LDSQA3D13R409835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

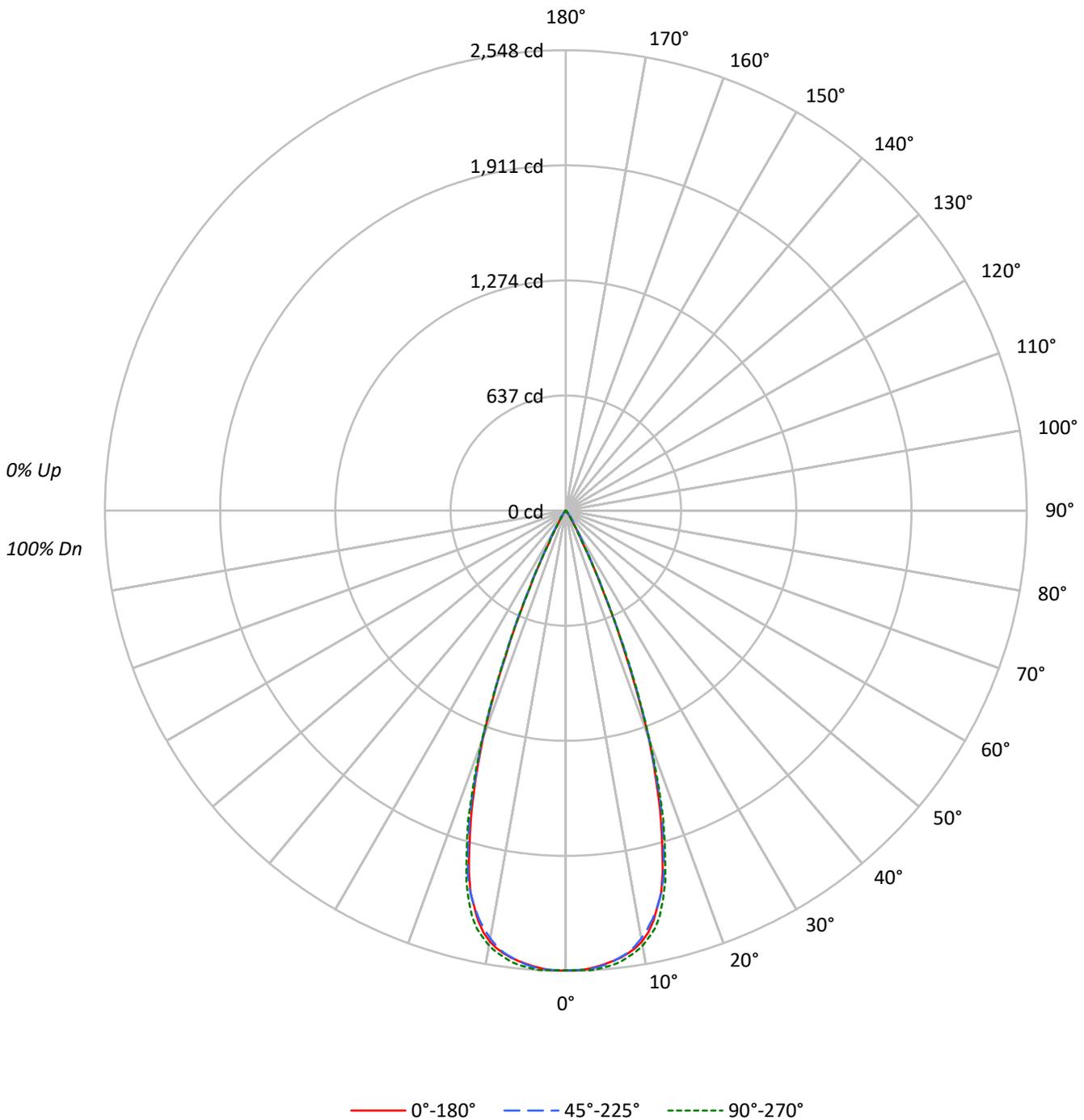
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1077.0 lumens
Efficiency: N/A
Efficacy: 74.3 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): 14.5
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	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	438255	438255	438255
5°	435348	436005	438356
10°	423558	420393	427405
15°	369059	372839	378634
20°	245827	247074	249438
25°	89370	92106	89807
30°	18972	25455	18972
35°	6686	11311	6370
40°	2383	3575	2383
45°	560	1486	560
50°	402	616	402
55°	450	450	450
60°	517	517	517
65°	326	611	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	22.1
10°-20°	554.1	51.4
20°-30°	249.4	23.2
30°-40°	28.4	2.6
40°-50°	4.1	0.4
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	0.7	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°	1041.3	96.7
0°-40°	1069.7	99.3
0°-60°	1075.1	99.8
0°-90°	1077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2545	2545	2545	2545	2545	
5°	2518	2515	2522	2533	2536	238
15°	2070	2075	2091	2108	2124	550
25°	470	473	485	485	473	243
35°	32	36	54	34	30	24
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
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°	2544.7	2544.7	2544.7	2544.7	2544.7
1°	2546.2	2544.0	2543.2	2547.8	2544.0
2°	2544.0	2542.5	2543.2	2547.8	2544.7
3°	2537.2	2537.9	2540.2	2548.5	2547.8
4°	2528.8	2528.1	2532.6	2543.2	2543.2
5°	2518.2	2515.2	2522.0	2533.4	2535.6
6°	2506.1	2502.3	2507.6	2522.0	2527.3
7°	2492.5	2484.9	2489.4	2506.9	2513.7
8°	2474.3	2464.4	2469.8	2487.2	2492.5
9°	2451.6	2436.4	2441.0	2462.2	2472.8
10°	2422.0	2403.1	2403.9	2427.3	2444.0
11°	2380.4	2359.2	2359.9	2389.5	2406.9
12°	2325.1	2306.2	2309.9	2337.2	2365.2
13°	2250.1	2244.8	2249.4	2278.9	2304.6
14°	2177.4	2172.1	2180.4	2207.7	2219.8
15°	2069.9	2075.2	2091.1	2107.7	2123.6
17.5°	1729.1	1749.5	1768.4	1779.8	1793.4
20°	1341.3	1317.8	1348.1	1334.5	1361.0
22.5°	865.7	883.1	890.7	883.1	886.1
25°	470.3	473.3	484.7	484.7	472.6
27.5°	199.9	215.8	230.2	224.9	199.9
30°	95.4	109.8	128.0	110.6	95.4
32.5°	53.8	63.6	82.6	62.1	52.3
35°	31.8	35.6	53.8	34.1	30.3
37.5°	18.9	19.7	29.5	20.4	18.2
40°	10.6	12.9	15.9	12.9	10.6
42.5°	5.3	7.6	9.8	7.6	5.3
45°	2.3	3.8	6.1	3.8	2.3
47.5°	2.3	2.3	3.8	2.3	2.3
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.8	1.5	1.5	1.5	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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)