

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: P1320141

Luminaire Tested: LDSQA3D13R409840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320141
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: LDSQA3D13R409840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

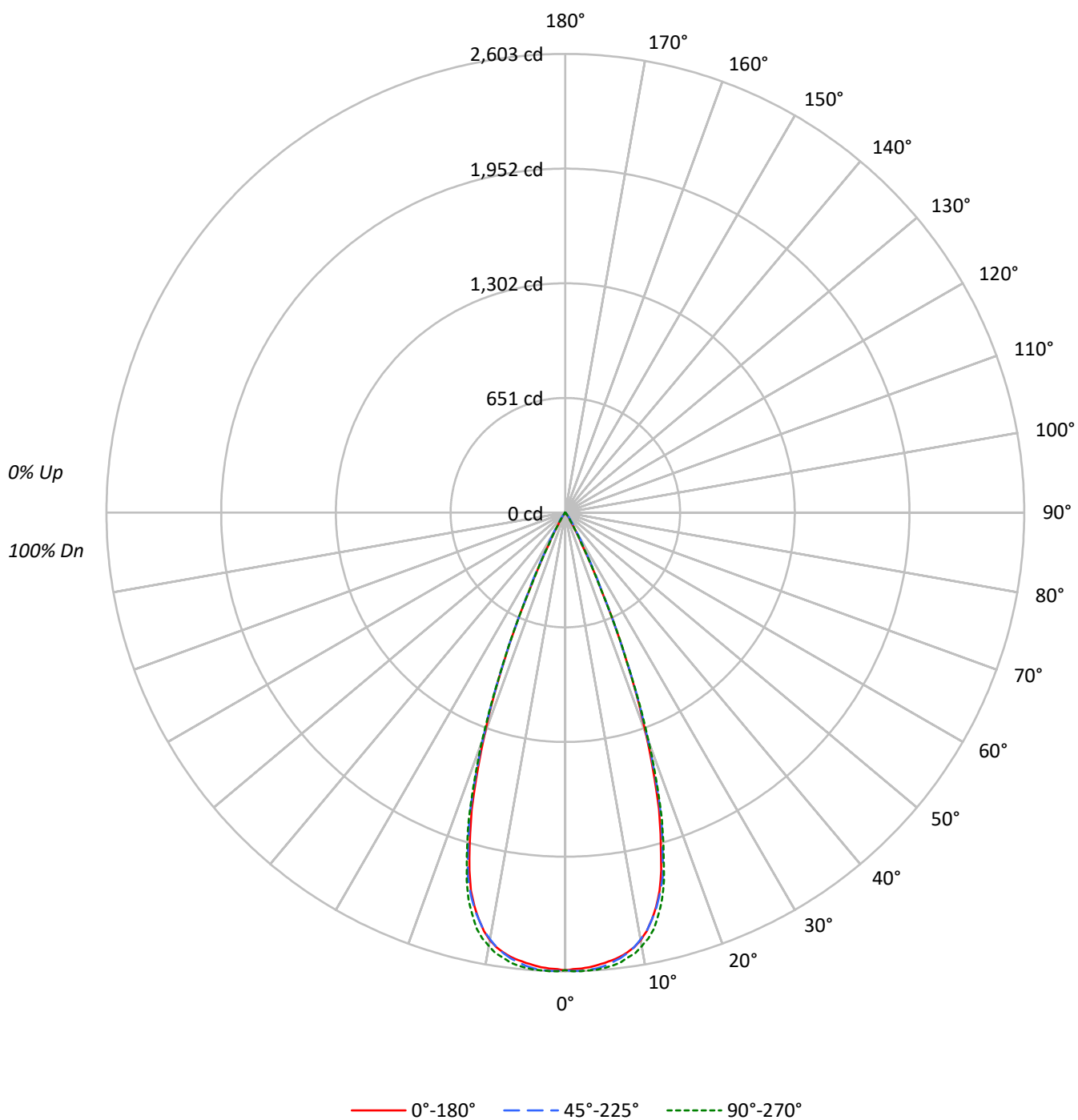
Lumens per Lamp: N/A
Luminaire Lumens: 1092.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	447228	447228	447228
5°	443352	446153	448279
10°	430728	429924	436639
15°	374711	380738	385409
20°	245919	250721	253965
25°	87678	92790	87241
30°	19111	25853	19270
35°	6139	10680	5992
40°	1911	3282	1731
45°	195	1120	195
50°	0	214	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: 1120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	22.2
10°-20°	565.6	51.8
20°-30°	253.7	23.2
30°-40°	27.4	2.5
40°-50°	2.5	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°	1062.0	97.3
0°-40°	1089.4	99.8
0°-60°	1092.0	100.0
0°-90°	1092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2564	2571	2581	2584	2593	242
15°	2102	2117	2135	2148	2162	558
25°	461	475	488	497	459	246
35°	29	34	51	33	28	23
45°	1	2	5	2	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2596.8	2596.8	2596.8	2596.8	2596.8
1°	2591.4	2596.8	2601.4	2597.6	2603.0
2°	2589.1	2595.3	2602.2	2598.3	2603.0
3°	2583.0	2590.7	2598.3	2596.0	2600.7
4°	2574.5	2580.7	2592.2	2592.2	2599.1
5°	2564.5	2571.4	2580.7	2584.5	2593.0
6°	2553.7	2557.6	2564.5	2572.2	2583.7
7°	2539.9	2539.9	2548.4	2556.1	2571.4
8°	2520.7	2519.1	2525.3	2535.3	2549.1
9°	2496.8	2491.5	2496.1	2510.7	2531.4
10°	2463.0	2458.4	2458.4	2476.8	2496.8
11°	2419.2	2417.6	2418.4	2436.1	2463.0
12°	2360.0	2361.5	2361.5	2381.5	2414.6
13°	2293.1	2292.3	2299.2	2321.5	2343.8
14°	2211.6	2216.2	2223.1	2243.1	2266.1
15°	2101.6	2117.0	2135.4	2147.7	2161.6
17.5°	1767.1	1782.5	1807.8	1817.8	1820.9
20°	1341.8	1364.1	1368.0	1388.0	1385.7
22.5°	899.7	898.2	901.2	903.5	904.3
25°	461.4	475.2	488.3	496.8	459.1
27.5°	200.7	224.5	241.5	219.2	203.0
30°	96.1	109.2	130.0	110.0	96.9
32.5°	52.3	60.7	82.3	60.0	51.5
35°	29.2	33.8	50.8	33.1	28.5
37.5°	16.9	18.5	27.7	18.5	16.1
40°	8.5	10.8	14.6	10.8	7.7
42.5°	3.1	5.4	7.7	5.4	3.1
45°	0.8	1.5	4.6	1.5	0.8
47.5°	0.0	0.0	2.3	0.0	0.0
50°	0.0	0.0	0.8	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)