

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: P1308170

Luminaire Tested: LDSQA3D13R459027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

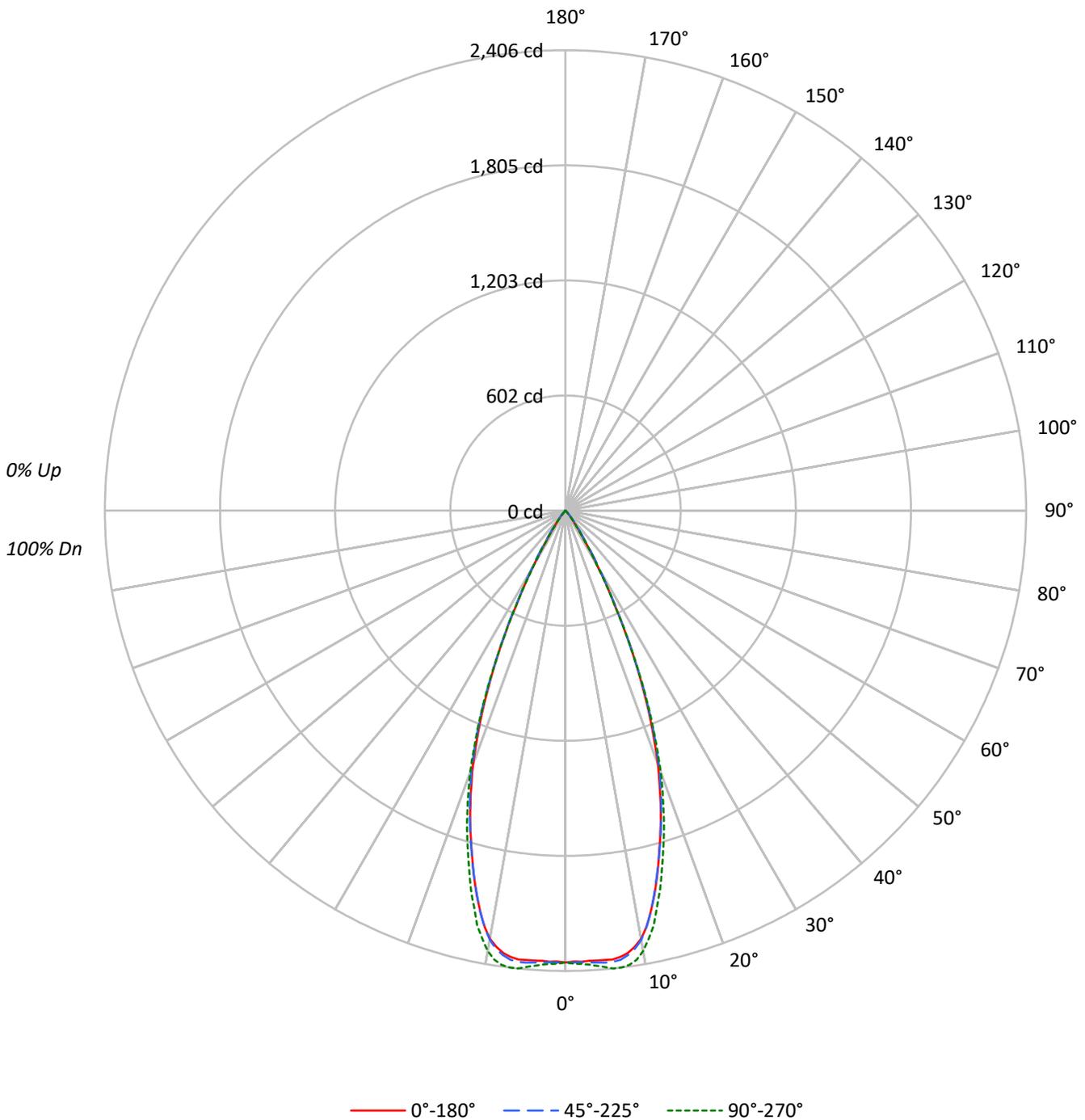
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	406721	406721	406721
5°	407652	410003	414083
10°	397449	398235	408711
15°	335307	335468	346469
20°	258840	262487	266812
25°	160573	160744	161770
30°	66242	70398	65168
35°	20604	25187	19847
40°	6317	8768	5913
45°	438	3312	438
50°	0	482	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: 3312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	18.4
10°-20°	522.6	42.8
20°-30°	383.4	31.4
30°-40°	82.4	6.7
40°-50°	7.8	0.6
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°	1130.7	92.6
0°-40°	1213.1	99.4
0°-60°	1221.0	100.0
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2362	2362	2362	2362	2362	
5°	2358	2364	2372	2388	2395	223
15°	1881	1877	1882	1911	1943	518
25°	845	842	846	846	851	379
35°	98	105	120	103	94	77
45°	2	5	14	5	2	5
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°	2361.6	2361.6	2361.6	2361.6	2361.6
1°	2357.1	2362.5	2362.5	2366.2	2368.0
2°	2358.9	2362.5	2361.6	2368.0	2370.7
3°	2356.2	2362.5	2364.3	2371.6	2376.1
4°	2357.1	2362.5	2368.0	2378.9	2385.2
5°	2358.0	2364.3	2371.6	2387.9	2395.2
6°	2358.9	2363.4	2371.6	2392.5	2406.1
7°	2349.8	2356.2	2365.3	2391.6	2406.1
8°	2335.3	2338.9	2346.2	2380.7	2397.9
9°	2308.1	2307.2	2318.1	2356.2	2376.1
10°	2272.7	2261.8	2277.2	2315.3	2337.1
11°	2215.5	2203.7	2217.3	2258.2	2279.0
12°	2141.1	2141.1	2143.8	2180.1	2216.4
13°	2062.1	2053.0	2058.5	2099.3	2124.7
14°	1975.0	1965.9	1971.4	2002.2	2042.1
15°	1880.6	1877.0	1881.5	1911.4	1943.2
17.5°	1656.4	1648.2	1664.6	1694.5	1710.9
20°	1412.3	1425.9	1432.2	1451.3	1455.8
22.5°	1131.8	1146.3	1155.4	1158.1	1160.8
25°	845.0	842.3	845.9	845.9	851.3
27.5°	555.5	555.5	565.4	559.1	552.7
30°	333.1	346.7	354.0	342.2	327.7
32.5°	181.5	195.1	206.9	189.7	177.0
35°	98.0	105.3	119.8	102.6	94.4
37.5°	53.5	59.9	69.0	58.1	53.5
40°	28.1	34.5	39.0	34.5	26.3
42.5°	9.1	17.2	22.7	17.2	8.2
45°	1.8	5.4	13.6	5.4	1.8
47.5°	0.0	0.9	6.4	0.9	0.0
50°	0.0	0.0	1.8	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)