

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: P1314497

Luminaire Tested: LDSQA3D09R359730DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359730DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

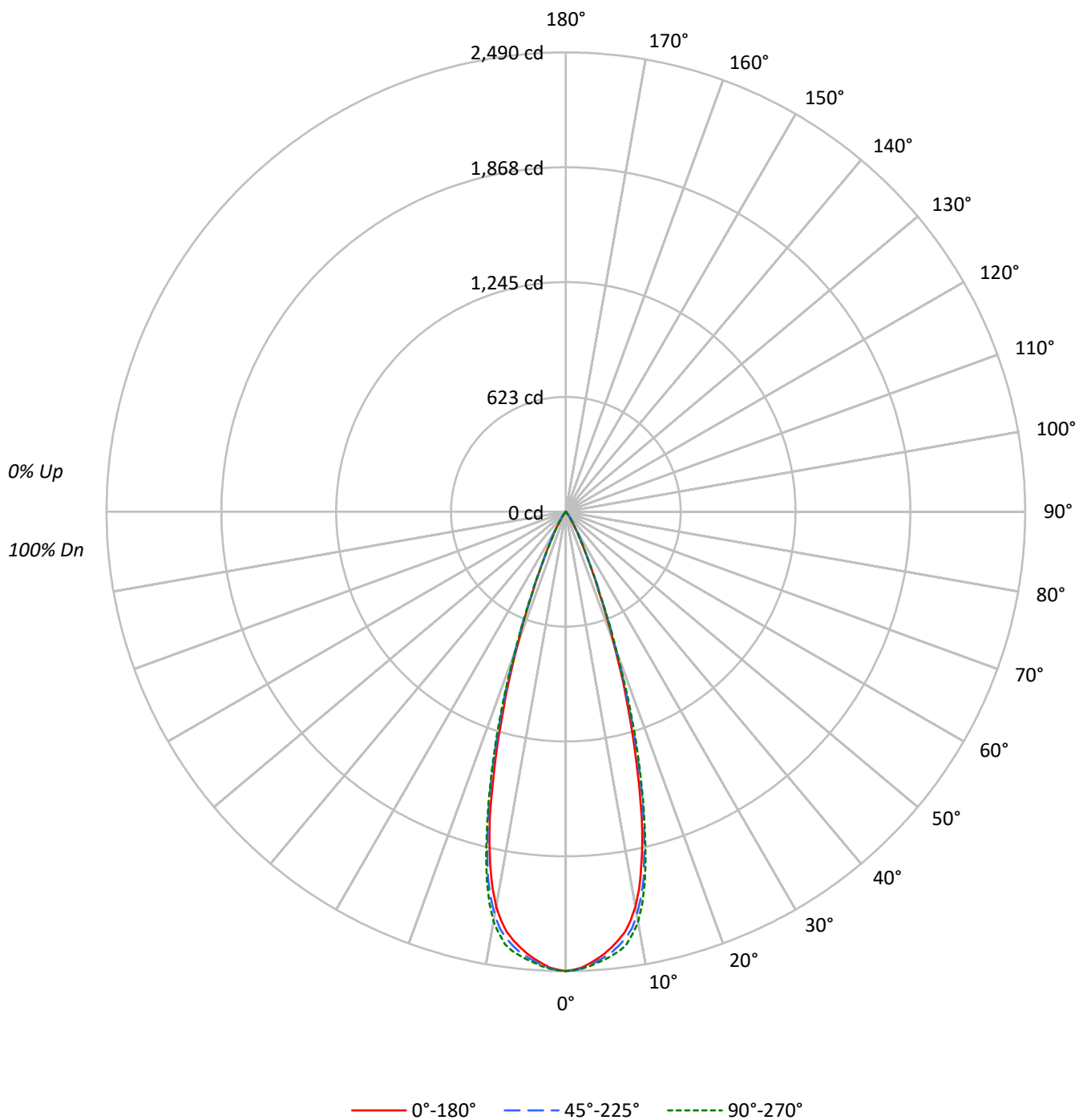
Lumens per Lamp: N/A
Luminaire Lumens: 829.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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					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	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	428800	428800	428800
5°	415795	418751	421016
10°	379961	388005	394650
15°	273242	285188	287523
20°	139106	146089	146455
25°	52770	53911	52409
30°	20503	23764	19986
35°	7043	11038	6623
40°	2361	4272	2203
45°	170	1437	170
50°	0	188	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: 1437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	27.2
10°-20°	419.9	50.7
20°-30°	150.9	18.2
30°-40°	29.5	3.6
40°-50°	3.3	0.4
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°	796.2	96.0
0°-40°	825.7	99.6
0°-60°	829.0	100.0
0°-90°	829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2490	2490	2490	2490	2490	
5°	2405	2412	2422	2433	2435	223
15°	1532	1558	1600	1611	1613	407
25°	278	280	284	282	276	146
35°	34	38	52	39	32	25
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2489.8	2489.8	2489.8	2489.8	2489.8
1°	2482.6	2485.9	2486.6	2491.2	2485.9
2°	2472.1	2474.1	2476.7	2480.7	2478.0
3°	2451.8	2455.7	2461.6	2466.9	2466.9
4°	2430.1	2435.3	2442.6	2451.8	2451.1
5°	2405.1	2411.7	2422.2	2433.4	2435.3
6°	2373.6	2381.5	2398.6	2414.3	2417.0
7°	2340.1	2352.0	2368.4	2391.4	2397.3
8°	2300.7	2309.9	2333.6	2360.5	2367.1
9°	2243.0	2256.7	2287.0	2311.9	2315.8
10°	2172.7	2182.6	2218.7	2244.9	2256.7
11°	2082.1	2096.5	2132.0	2158.9	2166.8
12°	1966.5	1987.5	2028.9	2048.6	2055.2
13°	1841.8	1859.5	1891.7	1916.0	1921.2
14°	1701.3	1718.3	1751.8	1771.5	1766.9
15°	1532.5	1558.1	1599.5	1610.7	1612.6
17.5°	1132.0	1148.4	1185.2	1202.9	1215.4
20°	759.0	774.8	797.1	808.9	799.1
22.5°	461.6	474.7	486.5	485.9	482.6
25°	277.7	280.4	283.7	281.7	275.8
27.5°	162.2	169.4	179.3	172.7	162.8
30°	103.1	109.0	119.5	108.3	100.5
32.5°	54.5	68.9	80.1	65.0	57.1
35°	33.5	38.1	52.5	38.7	31.5
37.5°	20.4	23.6	32.8	23.0	18.4
40°	10.5	15.1	19.0	13.8	9.8
42.5°	3.3	7.2	10.5	6.6	3.3
45°	0.7	2.0	5.9	2.0	0.7
47.5°	0.0	0.0	2.6	0.7	0.0
50°	0.0	0.0	0.7	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)