

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: P1306863

Luminaire Tested: LDSQA3D05R409024DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306863
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: LDSQA3D05R409024DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

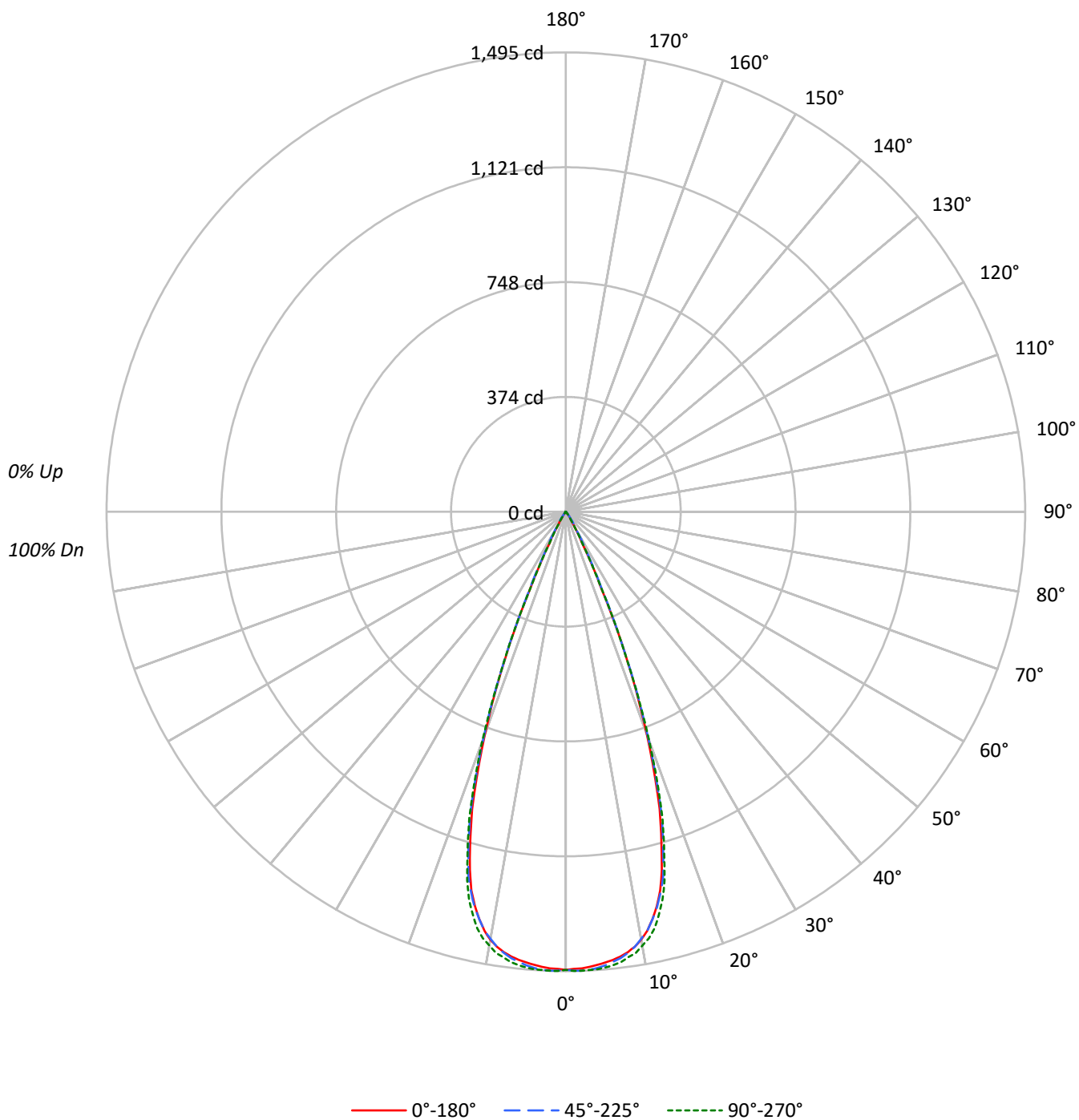
Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	256784	256784	256784
5°	254567	256174	257384
10°	247315	246842	250707
15°	215152	218611	221286
20°	141214	143963	145814
25°	50338	53283	50091
30°	10977	14835	11057
35°	3532	6118	3427
40°	1102	1888	989
45°	97	633	97
50°	0	107	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: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	22.2
10°-20°	324.7	51.8
20°-30°	145.6	23.2
30°-40°	15.7	2.5
40°-50°	1.5	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°	609.8	97.3
0°-40°	625.5	99.8
0°-60°	627.0	100.0
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1491	1491	1491	1491	1491	
5°	1472	1476	1482	1484	1489	139
15°	1207	1216	1226	1233	1241	321
25°	265	273	280	285	264	141
35°	17	19	29	19	16	13
45°	0	1	3	1	0	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°	1491.0	1491.0	1491.0	1491.0	1491.0
1°	1487.9	1491.0	1493.7	1491.5	1494.6
2°	1486.6	1490.1	1494.1	1491.9	1494.6
3°	1483.1	1487.5	1491.9	1490.6	1493.2
4°	1478.2	1481.8	1488.4	1488.4	1492.3
5°	1472.5	1476.5	1481.8	1484.0	1488.8
6°	1466.3	1468.5	1472.5	1476.9	1483.5
7°	1458.4	1458.4	1463.2	1467.6	1476.5
8°	1447.3	1446.4	1450.0	1455.7	1463.6
9°	1433.6	1430.5	1433.2	1441.6	1453.5
10°	1414.2	1411.5	1411.5	1422.1	1433.6
11°	1389.0	1388.1	1388.6	1398.7	1414.2
12°	1355.0	1355.9	1355.9	1367.4	1386.4
13°	1316.6	1316.2	1320.2	1333.0	1345.8
14°	1269.8	1272.5	1276.4	1287.9	1301.2
15°	1206.7	1215.5	1226.1	1233.2	1241.1
17.5°	1014.6	1023.5	1038.0	1043.8	1045.5
20°	770.5	783.3	785.5	796.9	795.6
22.5°	516.6	515.7	517.5	518.8	519.2
25°	264.9	272.9	280.4	285.2	263.6
27.5°	115.2	128.9	138.6	125.8	116.6
30°	55.2	62.7	74.6	63.1	55.6
32.5°	30.0	34.9	47.2	34.4	29.6
35°	16.8	19.4	29.1	19.0	16.3
37.5°	9.7	10.6	15.9	10.6	9.3
40°	4.9	6.2	8.4	6.2	4.4
42.5°	1.8	3.1	4.4	3.1	1.8
45°	0.4	0.9	2.6	0.9	0.4
47.5°	0.0	0.0	1.3	0.0	0.0
50°	0.0	0.0	0.4	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)