

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: P1319831

Luminaire Tested: LDSQA3D05R359840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319831
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: LDSQA3D05R359840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

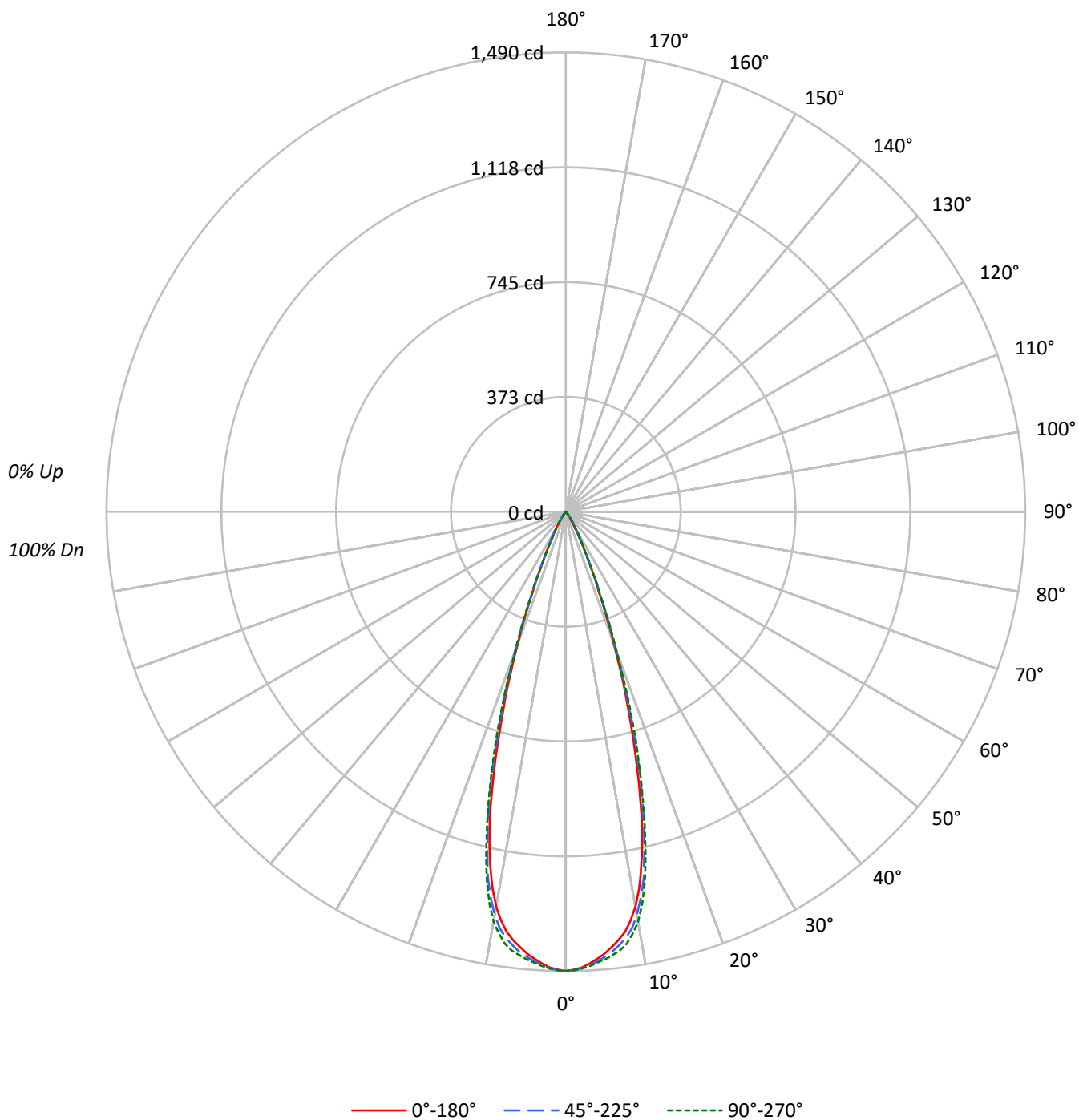
Lumens per Lamp: N/A
Luminaire Lumens: 496.0 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	256560	256560	256560
5°	248775	250538	251904
10°	227343	232152	236122
15°	163481	170631	172022
20°	83225	87404	87624
25°	31582	32248	31354
30°	12270	14219	11952
35°	4205	6602	3974
40°	1416	2563	1326
45°	97	852	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: 852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	27.2
10°-20°	251.2	50.7
20°-30°	90.3	18.2
30°-40°	17.6	3.6
40°-50°	2.0	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°	476.4	96.0
0°-40°	494.0	99.6
0°-60°	496.0	100.0
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1490	1490	1490	1490	1490	
5°	1439	1443	1449	1456	1457	133
15°	917	932	957	964	965	244
25°	166	168	170	168	165	87
35°	20	23	31	23	19	15
45°	0	1	4	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°	1489.7	1489.7	1489.7	1489.7	1489.7
1°	1485.4	1487.3	1487.7	1490.5	1487.3
2°	1479.1	1480.3	1481.8	1484.2	1482.6
3°	1466.9	1469.3	1472.8	1476.0	1476.0
4°	1454.0	1457.1	1461.4	1466.9	1466.5
5°	1439.0	1443.0	1449.2	1455.9	1457.1
6°	1420.2	1424.9	1435.1	1444.5	1446.1
7°	1400.1	1407.2	1417.0	1430.8	1434.3
8°	1376.6	1382.1	1396.2	1412.3	1416.2
9°	1342.0	1350.2	1368.3	1383.2	1385.6
10°	1300.0	1305.8	1327.5	1343.2	1350.2
11°	1245.7	1254.4	1275.6	1291.7	1296.4
12°	1176.6	1189.2	1213.9	1225.7	1229.6
13°	1102.0	1112.6	1131.8	1146.3	1149.5
14°	1017.9	1028.1	1048.1	1059.9	1057.2
15°	916.9	932.2	957.0	963.7	964.8
17.5°	677.3	687.1	709.1	719.7	727.2
20°	454.1	463.6	476.9	484.0	478.1
22.5°	276.2	284.0	291.1	290.7	288.7
25°	166.2	167.7	169.7	168.5	165.0
27.5°	97.0	101.4	107.2	103.3	97.4
30°	61.7	65.2	71.5	64.8	60.1
32.5°	32.6	41.2	47.9	38.9	34.2
35°	20.0	22.8	31.4	23.2	18.9
37.5°	12.2	14.1	19.6	13.7	11.0
40°	6.3	9.0	11.4	8.2	5.9
42.5°	2.0	4.3	6.3	3.9	2.0
45°	0.4	1.2	3.5	1.2	0.4
47.5°	0.0	0.0	1.6	0.4	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)