

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: P1310081

Luminaire Tested: LDSQA3D05R459035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310081
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: LDSQA3D05R459035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

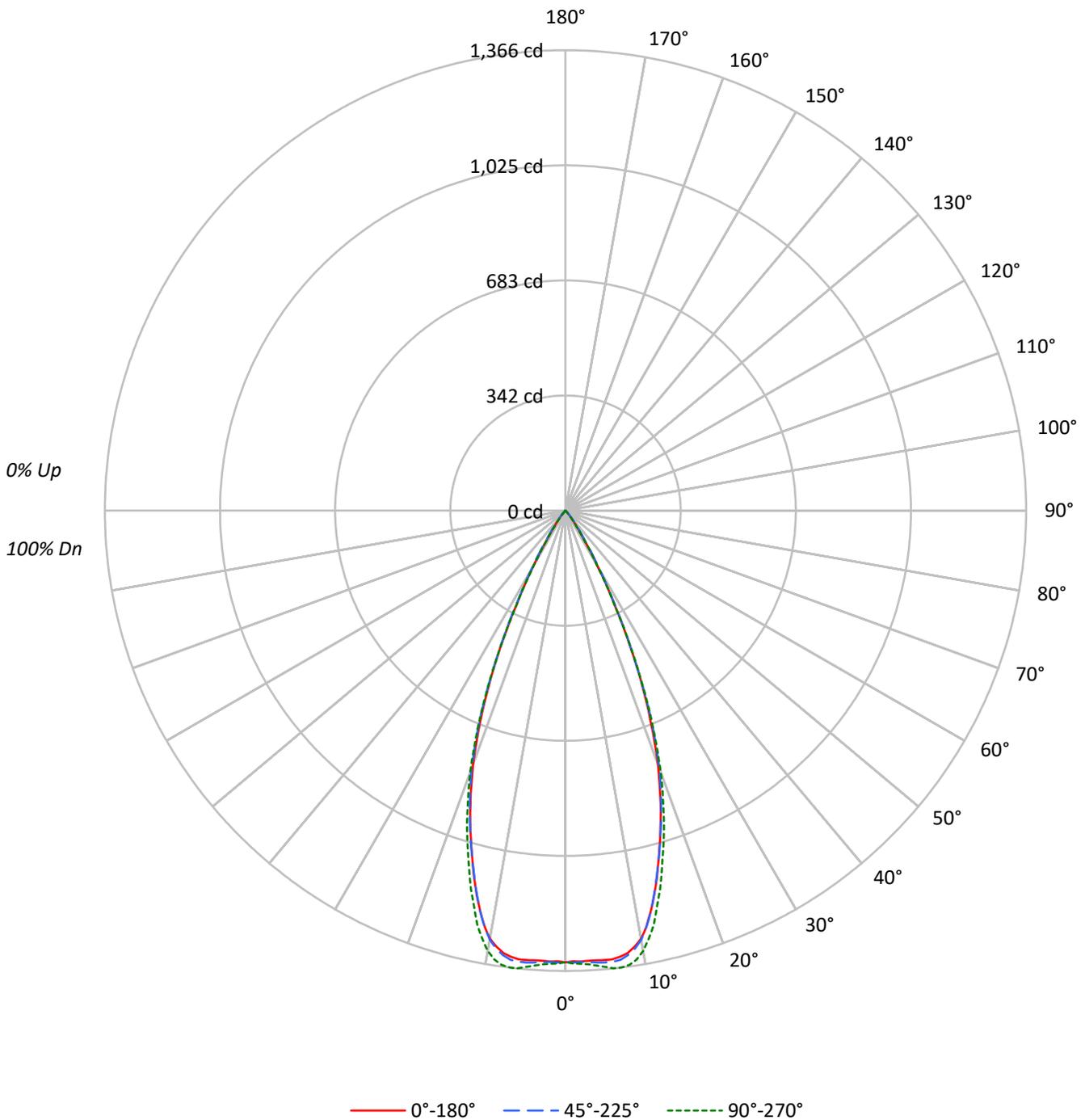
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 96.3 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230847	230847	230847
5°	231366	232697	235014
10°	225577	226032	231978
15°	190315	190404	196645
20°	146914	148985	151441
25°	91137	91232	91821
30°	37605	39952	36989
35°	11690	14297	11269
40°	3597	4991	3350
45°	244	1875	244
50°	0	268	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: 1875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	18.4
10°-20°	296.6	42.8
20°-30°	217.6	31.4
30°-40°	46.8	6.7
40°-50°	4.4	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°	641.8	92.6
0°-40°	688.5	99.4
0°-60°	693.0	100.0
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1338	1342	1346	1355	1359	127
15°	1067	1065	1068	1085	1103	294
25°	480	478	480	480	483	215
35°	56	60	68	58	54	44
45°	1	3	8	3	1	3
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°	1340.4	1340.4	1340.4	1340.4	1340.4
1°	1337.8	1340.9	1340.9	1343.0	1344.0
2°	1338.8	1340.9	1340.4	1344.0	1345.5
3°	1337.3	1340.9	1341.9	1346.0	1348.6
4°	1337.8	1340.9	1344.0	1350.2	1353.8
5°	1338.3	1341.9	1346.0	1355.3	1359.4
6°	1338.8	1341.4	1346.0	1357.9	1365.6
7°	1333.7	1337.3	1342.4	1357.4	1365.6
8°	1325.4	1327.5	1331.6	1351.2	1361.0
9°	1310.0	1309.5	1315.7	1337.3	1348.6
10°	1289.9	1283.7	1292.5	1314.1	1326.5
11°	1257.4	1250.7	1258.5	1281.7	1293.5
12°	1215.2	1215.2	1216.8	1237.4	1258.0
13°	1170.4	1165.2	1168.3	1191.5	1205.9
14°	1120.9	1115.8	1118.9	1136.4	1159.1
15°	1067.4	1065.3	1067.9	1084.9	1102.9
17.5°	940.1	935.5	944.8	961.8	971.0
20°	801.6	809.3	812.9	823.7	826.3
22.5°	642.4	650.6	655.8	657.3	658.9
25°	479.6	478.0	480.1	480.1	483.2
27.5°	315.3	315.3	320.9	317.3	313.7
30°	189.1	196.8	200.9	194.2	186.0
32.5°	103.0	110.8	117.5	107.7	100.5
35°	55.6	59.8	68.0	58.2	53.6
37.5°	30.4	34.0	39.2	33.0	30.4
40°	16.0	19.6	22.2	19.6	14.9
42.5°	5.2	9.8	12.9	9.8	4.6
45°	1.0	3.1	7.7	3.1	1.0
47.5°	0.0	0.5	3.6	0.5	0.0
50°	0.0	0.0	1.0	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)