

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: P1325075

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325075
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: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

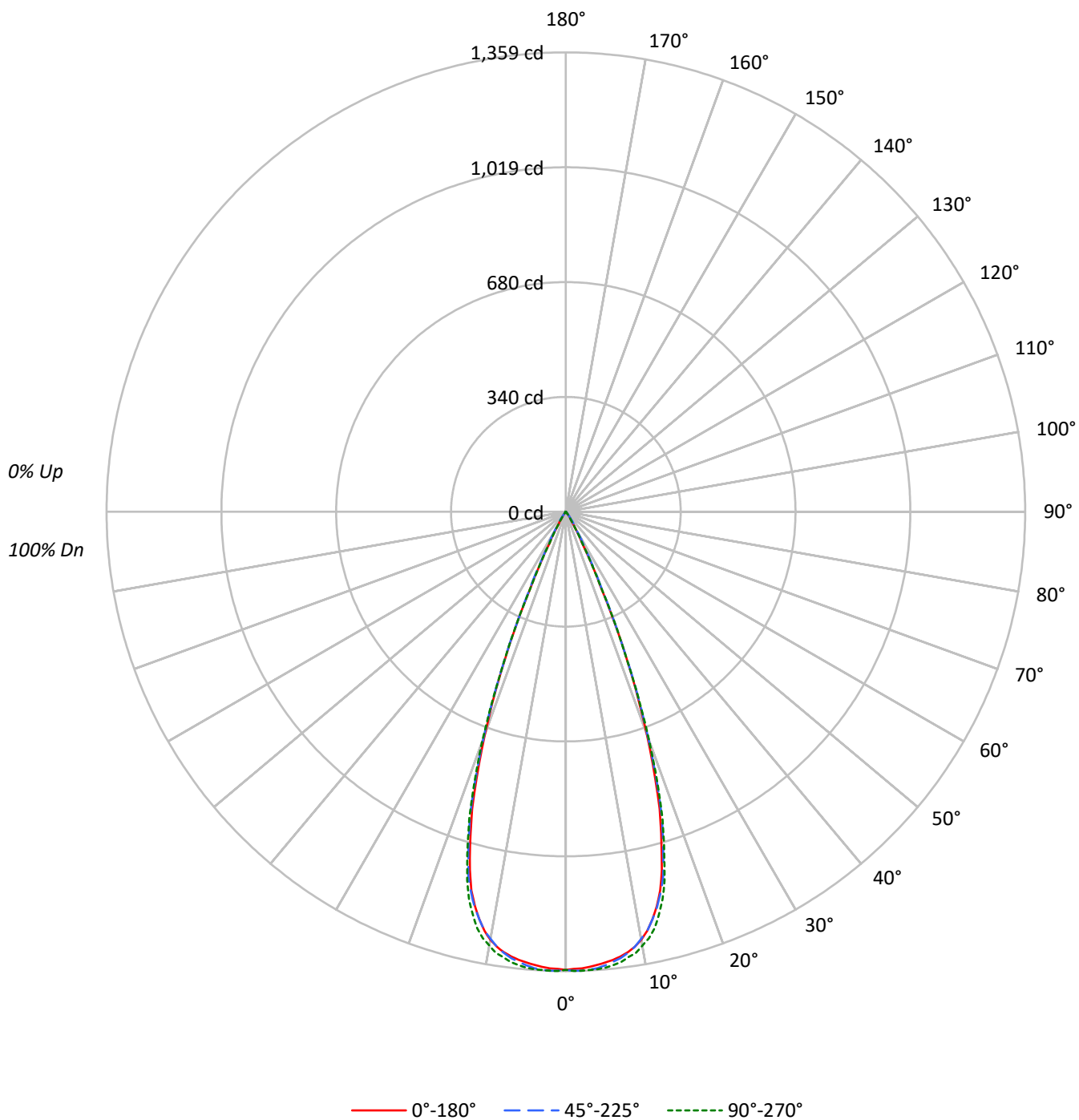
Lumens per Lamp: N/A
Luminaire Lumens: 570.0 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	233448	233448	233448
5°	231418	232870	233994
10°	224825	224405	227920
15°	195593	198731	201174
20°	128366	130877	132563
25°	45758	48438	45530
30°	9983	13483	10063
35°	3217	5571	3133
40°	989	1709	899
45°	97	585	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: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	22.2
10°-20°	295.2	51.8
20°-30°	132.4	23.2
30°-40°	14.3	2.5
40°-50°	1.3	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°	554.4	97.3
0°-40°	568.7	99.8
0°-60°	570.0	100.0
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1339	1342	1347	1349	1354	126
15°	1097	1105	1115	1121	1128	292
25°	241	248	255	259	240	129
35°	15	18	26	17	15	12
45°	0	1	2	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°	1355.5	1355.5	1355.5	1355.5	1355.5
1°	1352.7	1355.5	1357.9	1355.9	1358.7
2°	1351.5	1354.7	1358.3	1356.3	1358.7
3°	1348.3	1352.3	1356.3	1355.1	1357.5
4°	1343.8	1347.0	1353.1	1353.1	1356.7
5°	1338.6	1342.2	1347.0	1349.1	1353.5
6°	1333.0	1335.0	1338.6	1342.6	1348.7
7°	1325.8	1325.8	1330.2	1334.2	1342.2
8°	1315.7	1314.9	1318.1	1323.4	1330.6
9°	1303.3	1300.5	1302.9	1310.5	1321.4
10°	1285.6	1283.2	1283.2	1292.9	1303.3
11°	1262.8	1262.0	1262.4	1271.6	1285.6
12°	1231.8	1232.7	1232.7	1243.1	1260.3
13°	1196.9	1196.5	1200.1	1211.8	1223.4
14°	1154.4	1156.8	1160.4	1170.8	1182.9
15°	1097.0	1105.0	1114.6	1121.1	1128.3
17.5°	922.4	930.4	943.7	948.9	950.5
20°	700.4	712.1	714.1	724.5	723.3
22.5°	469.6	468.8	470.4	471.6	472.0
25°	240.8	248.1	254.9	259.3	239.6
27.5°	104.8	117.2	126.0	114.4	106.0
30°	50.2	57.0	67.8	57.4	50.6
32.5°	27.3	31.7	42.9	31.3	26.9
35°	15.3	17.7	26.5	17.3	14.9
37.5°	8.8	9.6	14.4	9.6	8.4
40°	4.4	5.6	7.6	5.6	4.0
42.5°	1.6	2.8	4.0	2.8	1.6
45°	0.4	0.8	2.4	0.8	0.4
47.5°	0.0	0.0	1.2	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)