

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: P1325086

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

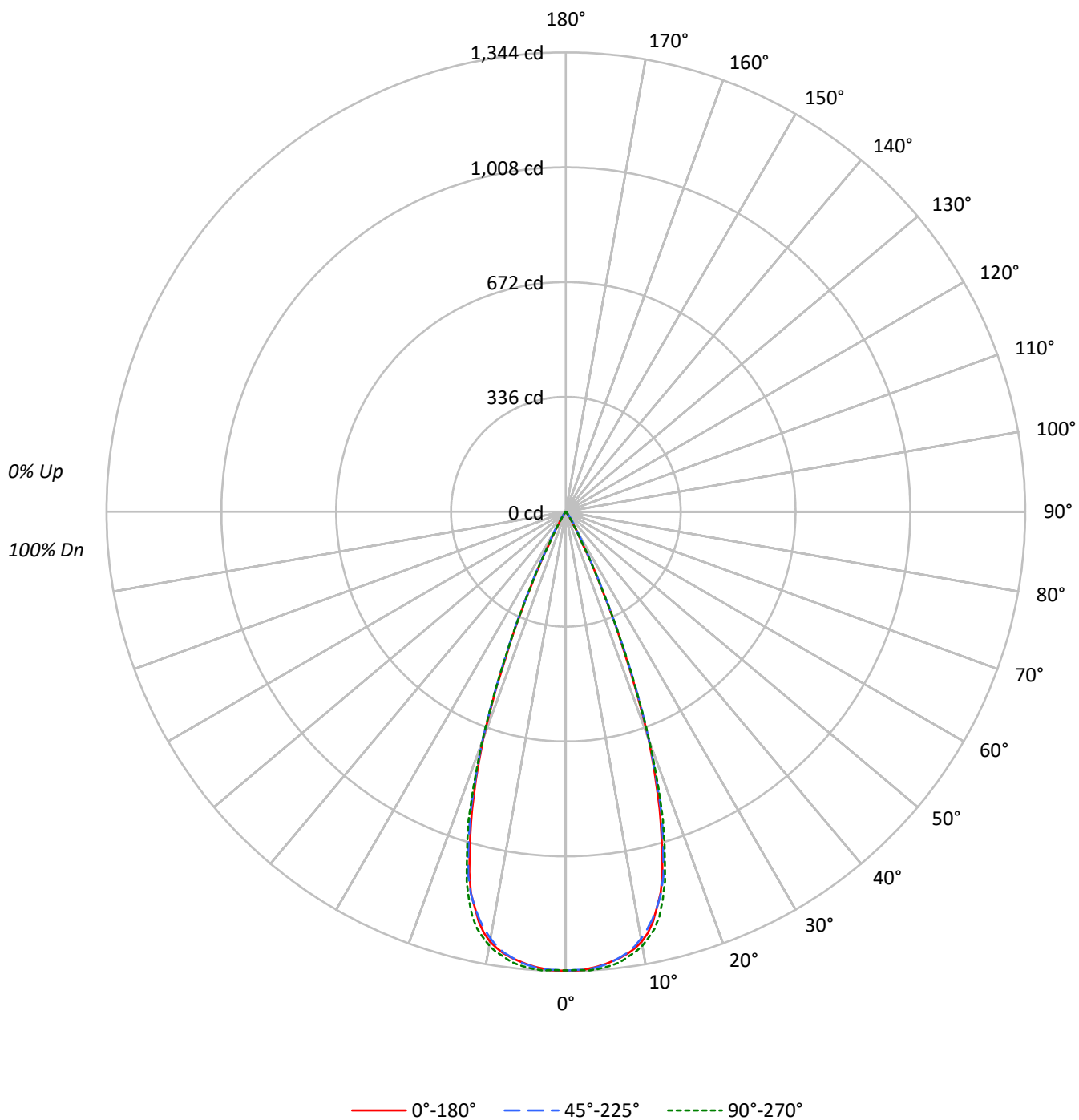
Lumens per Lamp: N/A
Luminaire Lumens: 568.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	231140	231140	231140
5°	229603	229948	231193
10°	223391	221712	225402
15°	194630	196627	199694
20°	129649	130309	131555
25°	47127	48571	47355
30°	10003	13423	10003
35°	3532	5971	3364
40°	1259	1888	1259
45°	292	779	292
50°	214	322	214
55°	240	240	240
60°	276	276	276
65°	163	326	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	22.1
10°-20°	292.2	51.5
20°-30°	131.5	23.2
30°-40°	15.0	2.6
40°-50°	2.1	0.4
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.4	0.1
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°	549.2	96.7
0°-40°	564.1	99.3
0°-60°	567.0	99.8
0°-90°	568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1342	1342	1342	1342	1342	
5°	1328	1326	1330	1336	1337	125
15°	1092	1094	1103	1112	1120	290
25°	248	250	256	256	249	128
35°	17	19	28	18	16	13
45°	1	2	3	2	1	2
55°	1	1	1	1	1	1
65°	0	1	1	1	0	1
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°	1342.1	1342.1	1342.1	1342.1	1342.1
1°	1342.9	1341.7	1341.3	1343.7	1341.7
2°	1341.7	1340.9	1341.3	1343.7	1342.1
3°	1338.1	1338.5	1339.7	1344.1	1343.7
4°	1333.7	1333.3	1335.7	1341.3	1341.3
5°	1328.1	1326.5	1330.1	1336.1	1337.3
6°	1321.7	1319.7	1322.5	1330.1	1332.9
7°	1314.5	1310.5	1312.9	1322.1	1325.7
8°	1304.9	1299.7	1302.5	1311.7	1314.5
9°	1292.9	1284.9	1287.3	1298.5	1304.1
10°	1277.4	1267.4	1267.8	1280.2	1288.9
11°	1255.4	1244.2	1244.6	1260.2	1269.4
12°	1226.2	1216.2	1218.2	1232.6	1247.4
13°	1186.7	1183.9	1186.3	1201.9	1215.4
14°	1148.3	1145.5	1149.9	1164.3	1170.7
15°	1091.6	1094.4	1102.8	1111.6	1120.0
17.5°	911.9	922.7	932.7	938.6	945.8
20°	707.4	695.0	711.0	703.8	717.8
22.5°	456.5	465.7	469.7	465.7	467.3
25°	248.0	249.6	255.6	255.6	249.2
27.5°	105.4	113.8	121.4	118.6	105.4
30°	50.3	57.9	67.5	58.3	50.3
32.5°	28.4	33.6	43.5	32.8	27.6
35°	16.8	18.8	28.4	18.0	16.0
37.5°	10.0	10.4	15.6	10.8	9.6
40°	5.6	6.8	8.4	6.8	5.6
42.5°	2.8	4.0	5.2	4.0	2.8
45°	1.2	2.0	3.2	2.0	1.2
47.5°	1.2	1.2	2.0	1.2	1.2
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	0.8	0.8	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)