

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: P1325073

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325073
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

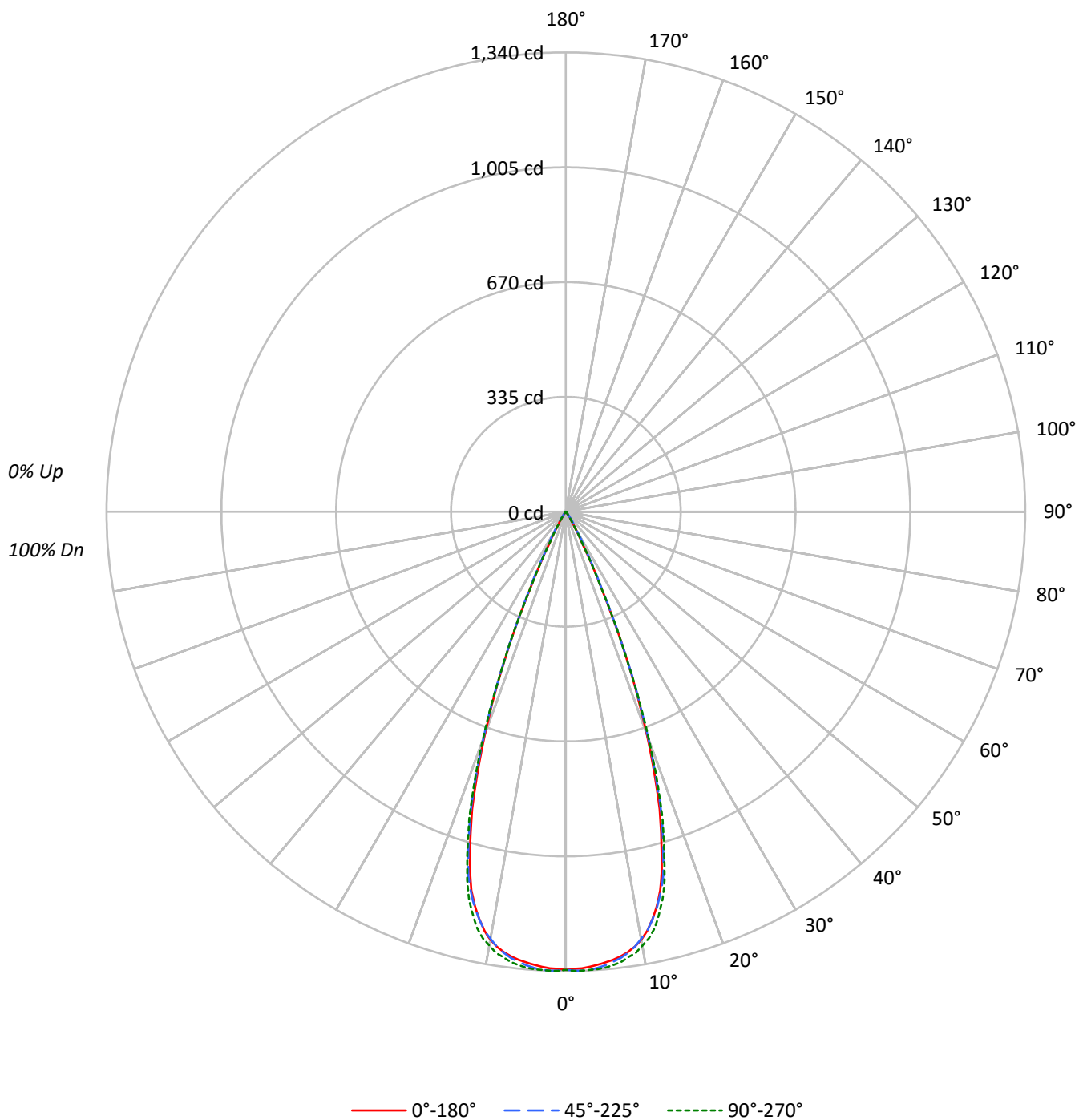
Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	230176	230176	230176
5°	228168	229603	230709
10°	221677	221257	224720
15°	192847	195949	198357
20°	126570	129026	130694
25°	45131	47754	44903
30°	9844	13304	9923
35°	3154	5487	3070
40°	989	1686	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°	125.0	22.2
10°-20°	291.1	51.8
20°-30°	130.5	23.2
30°-40°	14.1	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°	546.6	97.3
0°-40°	560.7	99.8
0°-60°	562.0	100.0
0°-90°	562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1336	1336	1336	1336	1336	
5°	1320	1323	1328	1330	1334	125
15°	1082	1090	1099	1105	1112	287
25°	238	245	251	256	236	127
35°	15	17	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°	1336.5	1336.5	1336.5	1336.5	1336.5
1°	1333.7	1336.5	1338.8	1336.8	1339.6
2°	1332.5	1335.7	1339.2	1337.2	1339.6
3°	1329.3	1333.3	1337.2	1336.1	1338.4
4°	1325.0	1328.1	1334.1	1334.1	1337.6
5°	1319.8	1323.4	1328.1	1330.1	1334.5
6°	1314.3	1316.3	1319.8	1323.8	1329.7
7°	1307.2	1307.2	1311.5	1315.5	1323.4
8°	1297.3	1296.5	1299.6	1304.8	1311.9
9°	1285.0	1282.2	1284.6	1292.1	1302.8
10°	1267.6	1265.2	1265.2	1274.7	1285.0
11°	1245.0	1244.2	1244.6	1253.7	1267.6
12°	1214.6	1215.4	1215.4	1225.6	1242.7
13°	1180.1	1179.7	1183.3	1194.8	1206.2
14°	1138.2	1140.6	1144.1	1154.4	1166.3
15°	1081.6	1089.5	1099.0	1105.3	1112.5
17.5°	909.4	917.4	930.4	935.6	937.1
20°	690.6	702.1	704.0	714.3	713.1
22.5°	463.0	462.2	463.8	465.0	465.4
25°	237.5	244.6	251.3	255.7	236.3
27.5°	103.3	115.6	124.3	112.8	104.5
30°	49.5	56.2	66.9	56.6	49.9
32.5°	26.9	31.3	42.3	30.9	26.5
35°	15.0	17.4	26.1	17.0	14.6
37.5°	8.7	9.5	14.2	9.5	8.3
40°	4.4	5.5	7.5	5.5	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)