

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: P1325083

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325083
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

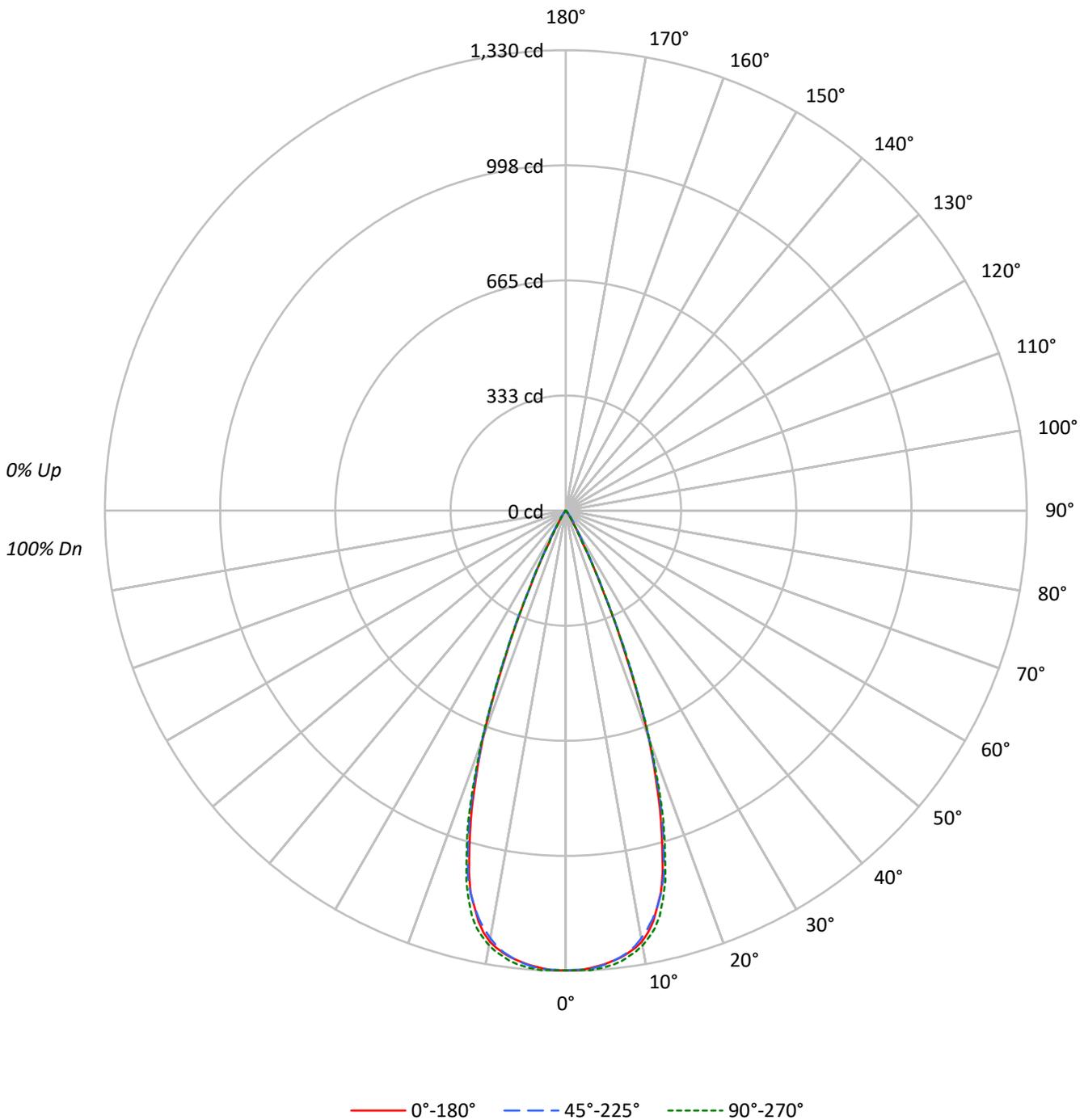
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 562.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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		0	
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	100	
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	92	
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	88	
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	85	
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	82	
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	79	
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	76	
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	73	
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	71	
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	68	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228694	228694	228694
5°	227182	227511	228738
10°	221030	219369	223024
15°	192580	194559	197590
20°	128275	128934	130162
25°	46633	48058	46861
30°	9904	13284	9904
35°	3490	5908	3322
40°	1237	1866	1237
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°	124.1	22.1
10°-20°	289.2	51.4
20°-30°	130.1	23.2
30°-40°	14.8	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°	543.4	96.7
0°-40°	558.2	99.3
0°-60°	561.1	99.8
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°	1328	1328	1328	1328	1328	
5°	1314	1312	1316	1322	1323	124
15°	1080	1083	1091	1100	1108	287
25°	245	247	253	253	247	127
35°	17	19	28	18	16	12
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.9	1327.9	1327.9	1327.9	1327.9
1°	1328.7	1327.5	1327.1	1329.5	1327.5
2°	1327.5	1326.7	1327.1	1329.5	1327.9
3°	1323.9	1324.3	1325.5	1329.9	1329.5
4°	1319.6	1319.2	1321.6	1327.1	1327.1
5°	1314.1	1312.5	1316.0	1322.0	1323.1
6°	1307.7	1305.8	1308.5	1316.0	1318.8
7°	1300.6	1296.7	1299.0	1308.1	1311.7
8°	1291.1	1286.0	1288.8	1297.9	1300.6
9°	1279.3	1271.4	1273.7	1284.8	1290.3
10°	1263.9	1254.0	1254.4	1266.6	1275.3
11°	1242.1	1231.1	1231.5	1246.9	1256.0
12°	1213.3	1203.4	1205.4	1219.6	1234.2
13°	1174.2	1171.4	1173.8	1189.2	1202.6
14°	1136.2	1133.4	1137.8	1152.0	1158.3
15°	1080.1	1082.9	1091.2	1099.9	1108.2
17.5°	902.3	912.9	922.8	928.7	935.8
20°	699.9	687.7	703.5	696.4	710.2
22.5°	451.7	460.8	464.8	460.8	462.4
25°	245.4	247.0	252.9	252.9	246.6
27.5°	104.3	112.6	120.1	117.4	104.3
30°	49.8	57.3	66.8	57.7	49.8
32.5°	28.1	33.2	43.1	32.4	27.3
35°	16.6	18.6	28.1	17.8	15.8
37.5°	9.9	10.3	15.4	10.7	9.5
40°	5.5	6.7	8.3	6.7	5.5
42.5°	2.8	4.0	5.1	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)