

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: P1325084

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325084
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_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

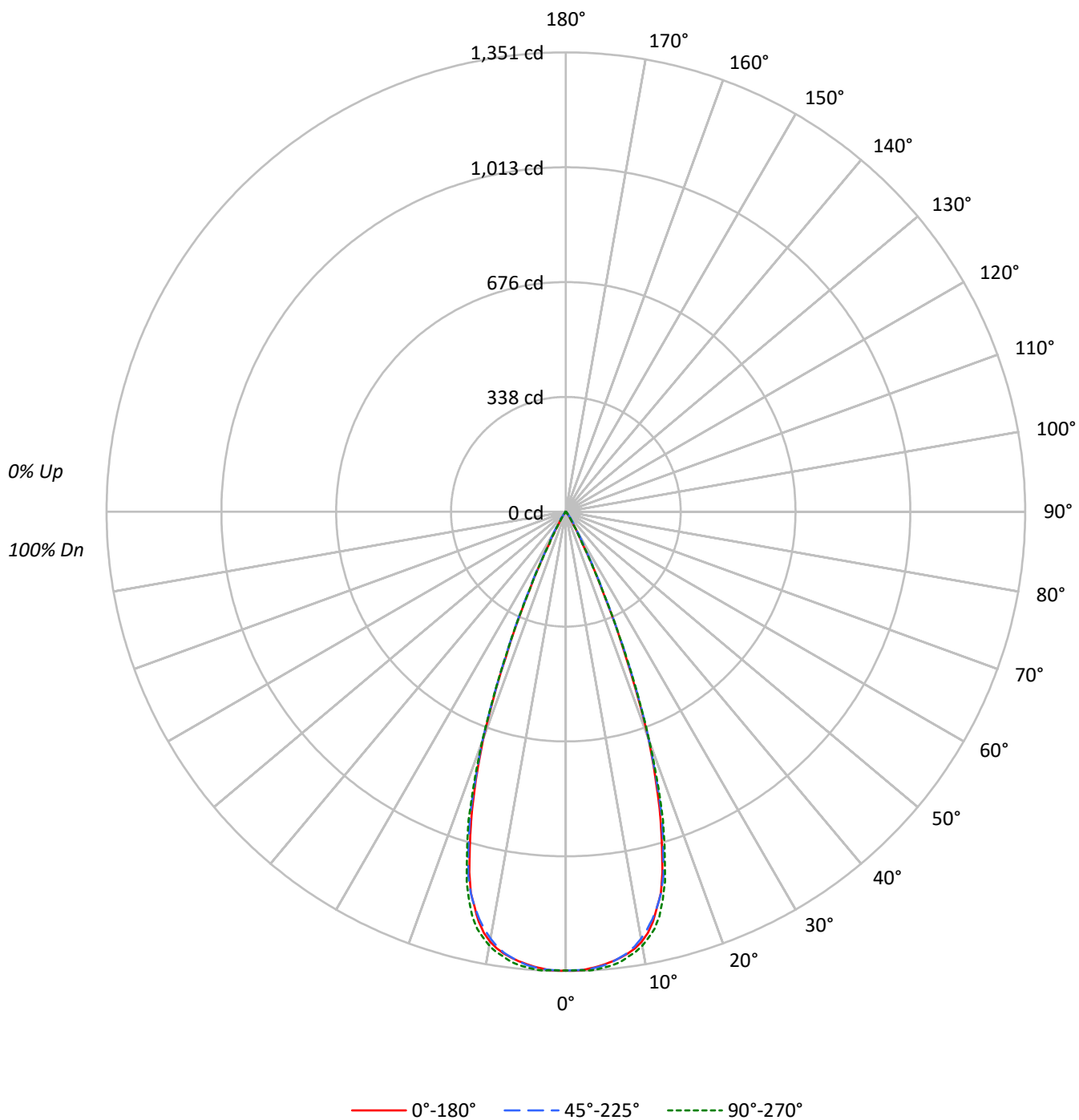
Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	232363	232363	232363
5°	230813	231159	232403
10°	224563	222884	226609
15°	195664	197661	200746
20°	130327	130987	132252
25°	47393	48837	47621
30°	10063	13503	10063
35°	3553	5992	3385
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°	126.1	22.1
10°-20°	293.8	51.5
20°-30°	132.2	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°	552.1	96.7
0°-40°	567.1	99.3
0°-60°	570.0	99.8
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1335	1334	1337	1343	1344	126
15°	1097	1100	1109	1118	1126	291
25°	249	251	257	257	251	129
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°	1349.2	1349.2	1349.2	1349.2	1349.2
1°	1350.0	1348.8	1348.4	1350.8	1348.8
2°	1348.8	1348.0	1348.4	1350.8	1349.2
3°	1345.1	1345.5	1346.7	1351.2	1350.8
4°	1340.7	1340.3	1342.7	1348.4	1348.4
5°	1335.1	1333.5	1337.1	1343.1	1344.3
6°	1328.7	1326.7	1329.5	1337.1	1339.9
7°	1321.4	1317.4	1319.8	1329.1	1332.7
8°	1311.8	1306.6	1309.4	1318.6	1321.4
9°	1299.8	1291.7	1294.1	1305.4	1311.0
10°	1284.1	1274.1	1274.5	1286.9	1295.8
11°	1262.0	1250.8	1251.2	1266.8	1276.1
12°	1232.7	1222.7	1224.7	1239.1	1254.0
13°	1193.0	1190.1	1192.6	1208.2	1221.9
14°	1154.4	1151.6	1156.0	1170.5	1176.9
15°	1097.4	1100.2	1108.6	1117.5	1125.9
17.5°	916.7	927.5	937.6	943.6	950.8
20°	711.1	698.7	714.7	707.5	721.6
22.5°	459.0	468.2	472.2	468.2	469.8
25°	249.4	251.0	257.0	257.0	250.6
27.5°	106.0	114.4	122.1	119.3	106.0
30°	50.6	58.2	67.9	58.6	50.6
32.5°	28.5	33.7	43.8	32.9	27.7
35°	16.9	18.9	28.5	18.1	16.1
37.5°	10.0	10.4	15.7	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)