

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: P1325128

Luminaire Tested: LDSQA3D05R40W2N902765DE010 3LSQCDR1MB_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325128
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: LDSQA3D05R40W2N902765DE010 3LSQCDR1MB_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 6500K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

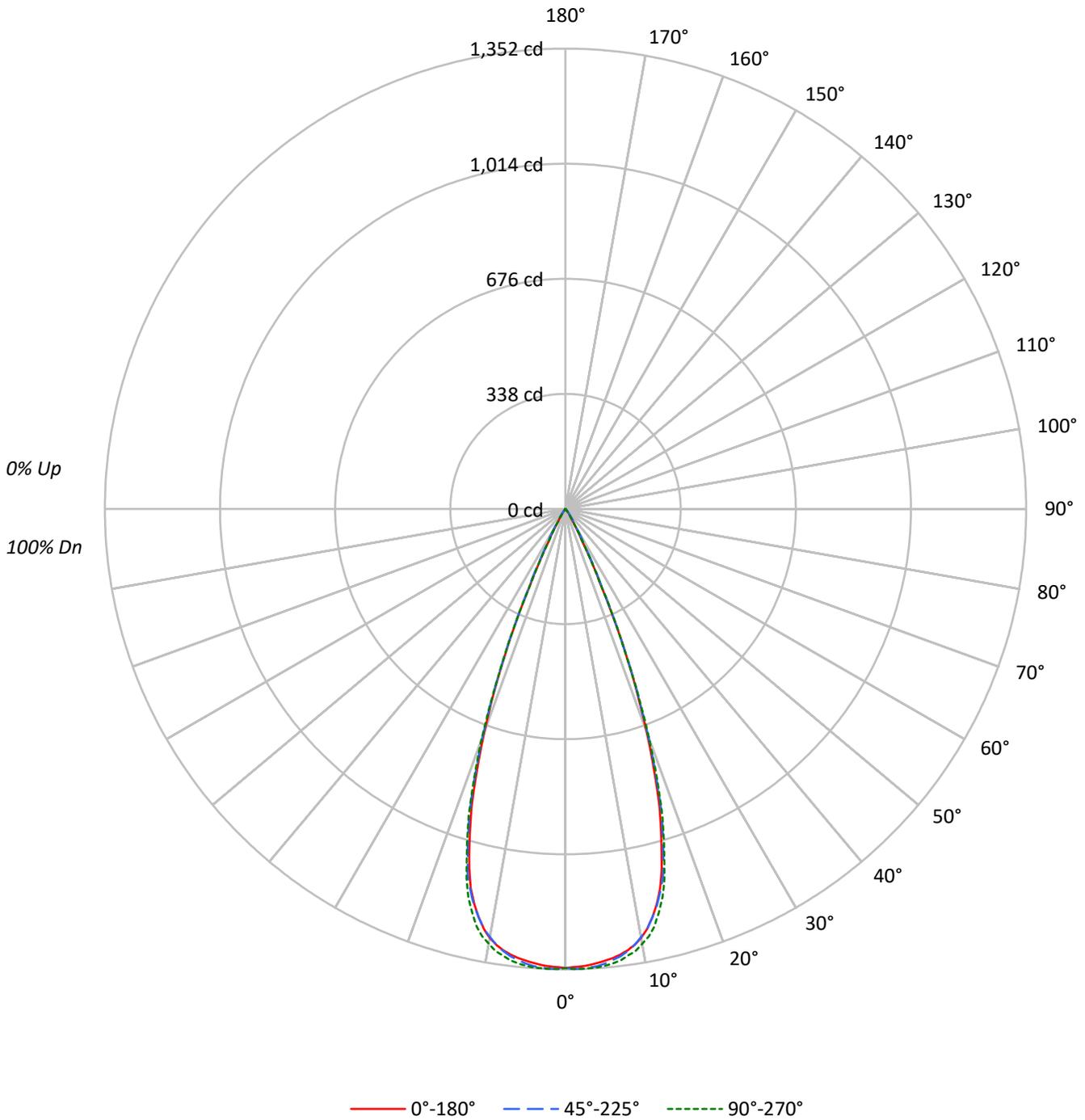
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 567.0 lumens
Efficiency: N/A
Efficacy: 96.1 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

TEST NUMBER: P1325128
CATALOG NUMBER: LDSQA3D05R40W2N902765DE010 3LSQCDR1MB_6500K

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	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°	232208	232208	232208
5°	230208	231660	232749
10°	223653	223234	226714
15°	194559	197697	200122
20°	127688	130181	131867
25°	45530	48172	45302
30°	9923	13423	10003
35°	3196	5550	3112
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°	126.1	22.2
10°-20°	293.7	51.8
20°-30°	131.7	23.2
30°-40°	14.2	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°	551.4	97.3
0°-40°	565.7	99.8
0°-60°	567.0	100.0
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1332	1335	1340	1342	1346	126
15°	1091	1099	1109	1115	1122	290
25°	240	247	254	258	238	128
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.3	1348.3	1348.3	1348.3	1348.3
1°	1345.5	1348.3	1350.7	1348.7	1351.5
2°	1344.3	1347.5	1351.1	1349.1	1351.5
3°	1341.2	1345.1	1349.1	1347.9	1350.3
4°	1336.8	1340.0	1345.9	1345.9	1349.5
5°	1331.6	1335.2	1340.0	1342.0	1346.3
6°	1326.0	1328.0	1331.6	1335.6	1341.6
7°	1318.8	1318.8	1323.2	1327.2	1335.2
8°	1308.8	1308.0	1311.2	1316.4	1323.6
9°	1296.4	1293.6	1296.0	1303.6	1314.4
10°	1278.9	1276.5	1276.5	1286.1	1296.4
11°	1256.1	1255.3	1255.7	1264.9	1278.9
12°	1225.4	1226.2	1226.2	1236.5	1253.7
13°	1190.6	1190.2	1193.8	1205.4	1217.0
14°	1148.3	1150.7	1154.3	1164.7	1176.7
15°	1091.2	1099.2	1108.8	1115.2	1122.4
17.5°	917.5	925.5	938.7	943.9	945.5
20°	696.7	708.3	710.3	720.7	719.5
22.5°	467.1	466.3	467.9	469.1	469.5
25°	239.6	246.8	253.5	257.9	238.4
27.5°	104.2	116.6	125.4	113.8	105.4
30°	49.9	56.7	67.5	57.1	50.3
32.5°	27.2	31.5	42.7	31.1	26.8
35°	15.2	17.6	26.4	17.2	14.8
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)