

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: P1319848

Luminaire Tested: LDSQA3D05R409840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319848
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: LDSQA3D05R409840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

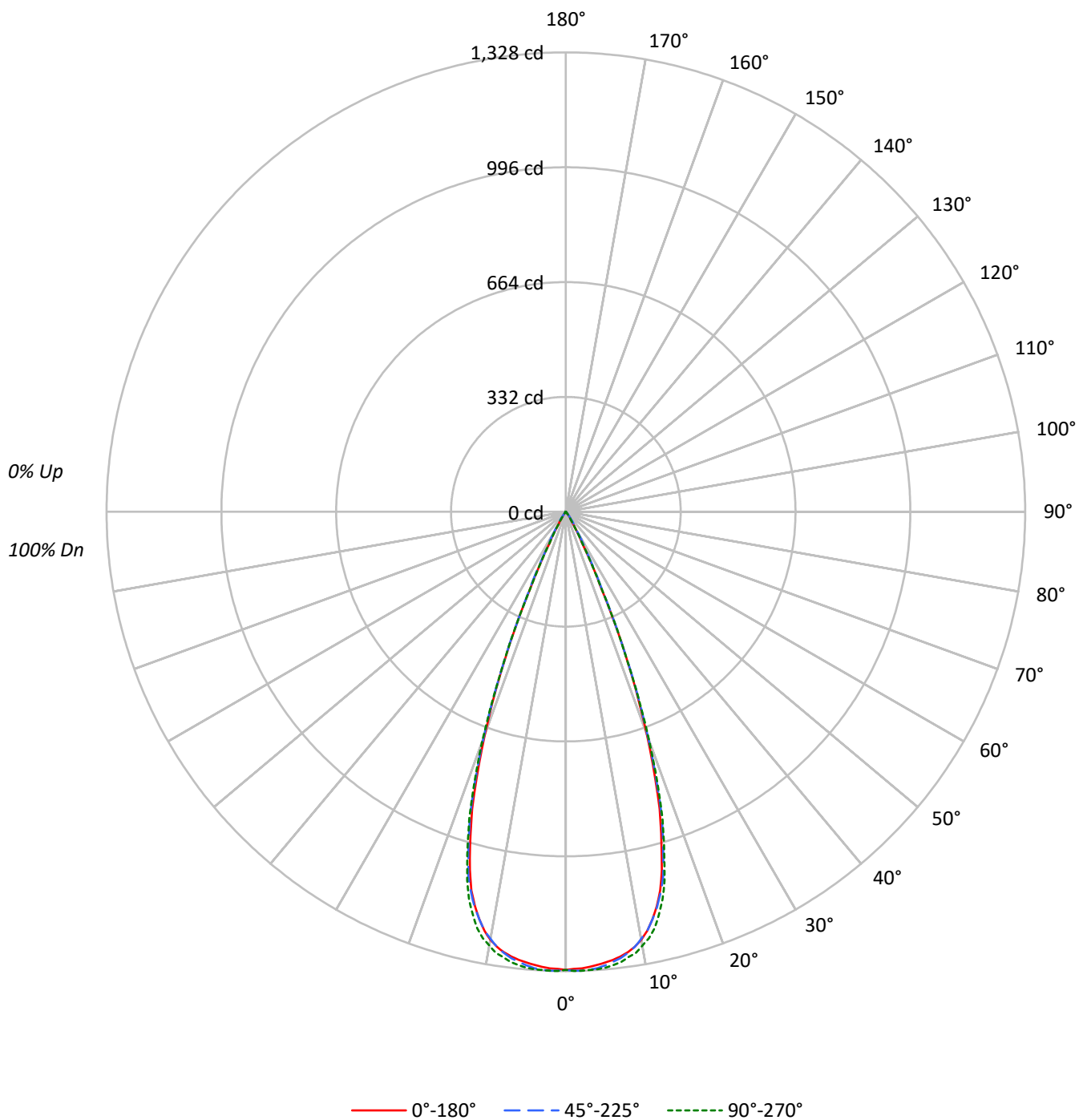
Lumens per Lamp: N/A
Luminaire Lumens: 557.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1319848

CATALOG NUMBER: LDSQA3D05R409840DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1319848

CATALOG NUMBER: LDSQA3D05R409840DE010 3LSQCDR1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					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	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°	228126	228126	228126
5°	226145	227563	228652
10°	219701	219299	222726
15°	191135	194202	196591
20°	125434	127890	129539
25°	44713	47336	44504
30°	9744	13185	9824
35°	3133	5445	3049
40°	967	1686	877
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

TEST NUMBER: P1319848

CATALOG NUMBER: LDSQA3D05R409840DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	22.2
10°-20°	288.5	51.8
20°-30°	129.4	23.2
30°-40°	14.0	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°	541.7	97.3
0°-40°	555.7	99.8
0°-60°	557.0	100.0
0°-90°	557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1325	1325	1325	1325	1325	
5°	1308	1312	1316	1318	1323	123
15°	1072	1080	1089	1096	1103	285
25°	235	242	249	253	234	126
35°	15	17	26	17	14	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	

TEST NUMBER: P1319848

CATALOG NUMBER: LDSQA3D05R409840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1324.6	1324.6	1324.6	1324.6	1324.6
1°	1321.8	1324.6	1326.9	1325.0	1327.7
2°	1320.6	1323.8	1327.3	1325.3	1327.7
3°	1317.5	1321.4	1325.3	1324.2	1326.5
4°	1313.2	1316.3	1322.2	1322.2	1325.7
5°	1308.1	1311.6	1316.3	1318.3	1322.6
6°	1302.6	1304.6	1308.1	1312.0	1317.9
7°	1295.5	1295.5	1299.9	1303.8	1311.6
8°	1285.7	1284.9	1288.1	1293.2	1300.2
9°	1273.6	1270.8	1273.2	1280.6	1291.2
10°	1256.3	1254.0	1254.0	1263.4	1273.6
11°	1234.0	1233.2	1233.6	1242.6	1256.3
12°	1203.8	1204.5	1204.5	1214.7	1231.6
13°	1169.6	1169.2	1172.8	1184.1	1195.5
14°	1128.1	1130.4	1133.9	1144.1	1155.9
15°	1072.0	1079.8	1089.2	1095.5	1102.6
17.5°	901.3	909.2	922.1	927.2	928.8
20°	684.4	695.8	697.8	708.0	706.8
22.5°	458.9	458.1	459.7	460.9	461.3
25°	235.3	242.4	249.1	253.4	234.2
27.5°	102.4	114.5	123.2	111.8	103.5
30°	49.0	55.7	66.3	56.1	49.4
32.5°	26.7	31.0	42.0	30.6	26.3
35°	14.9	17.3	25.9	16.9	14.5
37.5°	8.6	9.4	14.1	9.4	8.2
40°	4.3	5.5	7.5	5.5	3.9
42.5°	1.6	2.7	3.9	2.7	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



TEST NUMBER: P1319848

CATALOG NUMBER: LDSQA3D05R409840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)