

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: P1315457

Luminaire Tested: LDSQA3D09R309735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309735DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

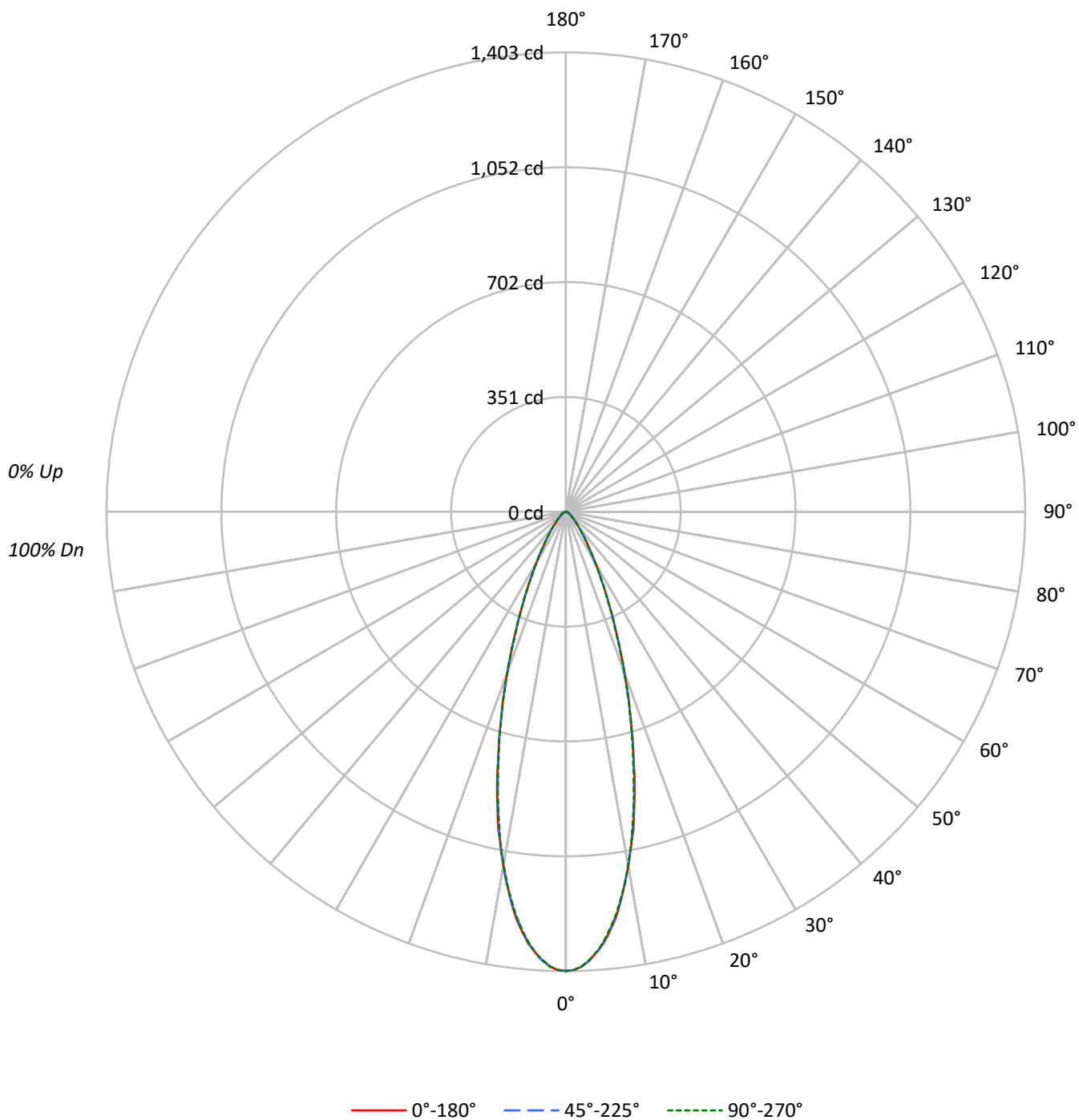
Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78		
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66		
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61		
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	241559	241559	241559
5°	228704	228116	227995
10°	192140	192140	191423
15°	143155	142781	141943
20°	95816	95303	95432
25°	59060	58927	59193
30°	35517	35517	35637
35°	21781	21781	21929
40°	13782	13782	14096
45°	9450	9621	9621
50°	6939	6939	6939
55°	5315	5525	5525
60°	4443	4443	4684
65°	3871	3871	3871
70°	3424	3777	3777
75°	3194	3194	3194
80°	2678	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9621 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	19.3
10°-20°	219.6	35.6
20°-30°	146.0	23.7
30°-40°	67.5	11.0
40°-50°	31.3	5.1
50°-60°	16.7	2.7
60°-70°	9.8	1.6
70°-80°	5.2	0.8
80°-90°	1.1	0.2
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°	484.4	78.6
0°-40°	551.9	89.6
0°-60°	599.9	97.4
0°-90°	616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1323	1320	1320	1323	1319	119
15°	803	806	801	801	796	220
25°	311	310	310	310	312	146
35°	104	103	104	104	104	67
45°	39	39	40	40	40	31
55°	18	18	18	18	18	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.6	1402.6	1402.6	1402.6	1402.6
1°	1399.9	1398.5	1399.9	1402.0	1399.2
2°	1390.4	1389.0	1389.0	1391.7	1389.0
3°	1372.0	1373.3	1372.6	1375.4	1370.6
4°	1348.8	1348.1	1350.8	1352.2	1348.1
5°	1322.9	1320.2	1319.5	1322.9	1318.8
6°	1287.5	1285.4	1284.0	1288.1	1282.7
7°	1249.3	1247.9	1245.9	1247.2	1243.2
8°	1202.3	1201.6	1200.2	1201.6	1196.8
9°	1149.8	1149.8	1152.5	1151.8	1149.1
10°	1098.7	1100.0	1098.7	1100.0	1094.6
11°	1041.4	1041.4	1042.8	1042.1	1042.8
12°	991.7	986.2	984.8	983.5	979.4
13°	927.6	923.5	922.1	923.5	921.5
14°	869.0	866.3	859.4	860.8	858.1
15°	802.9	805.6	800.8	800.8	796.1
17.5°	656.3	653.6	655.0	655.7	653.6
20°	522.8	521.4	520.0	518.7	520.7
22.5°	406.2	406.9	405.5	404.2	402.8
25°	310.8	310.1	310.1	310.1	311.5
27.5°	235.8	235.8	235.8	236.5	236.5
30°	178.6	177.2	178.6	179.2	179.2
32.5°	133.6	134.9	135.6	135.6	135.6
35°	103.6	102.9	103.6	104.3	104.3
37.5°	79.1	79.1	79.7	79.7	80.4
40°	61.3	61.3	61.3	62.0	62.7
42.5°	48.4	48.4	49.1	49.1	49.8
45°	38.8	38.8	39.5	39.5	39.5
47.5°	31.4	31.4	32.0	32.0	32.0
50°	25.9	25.9	25.9	25.9	25.9
52.5°	21.8	21.1	21.8	21.8	21.8
55°	17.7	18.4	18.4	18.4	18.4
57.5°	15.0	15.7	15.7	15.7	15.7
60°	12.9	12.9	12.9	13.6	13.6
62.5°	10.9	11.6	11.6	11.6	11.6
65°	9.5	9.5	9.5	9.5	9.5
67.5°	8.2	8.2	8.2	8.2	8.9
70°	6.8	6.8	7.5	7.5	7.5
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.4	3.4	4.1	4.1	3.4
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
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)