

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: P1309871

Luminaire Tested: LDSQA3D02R309035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

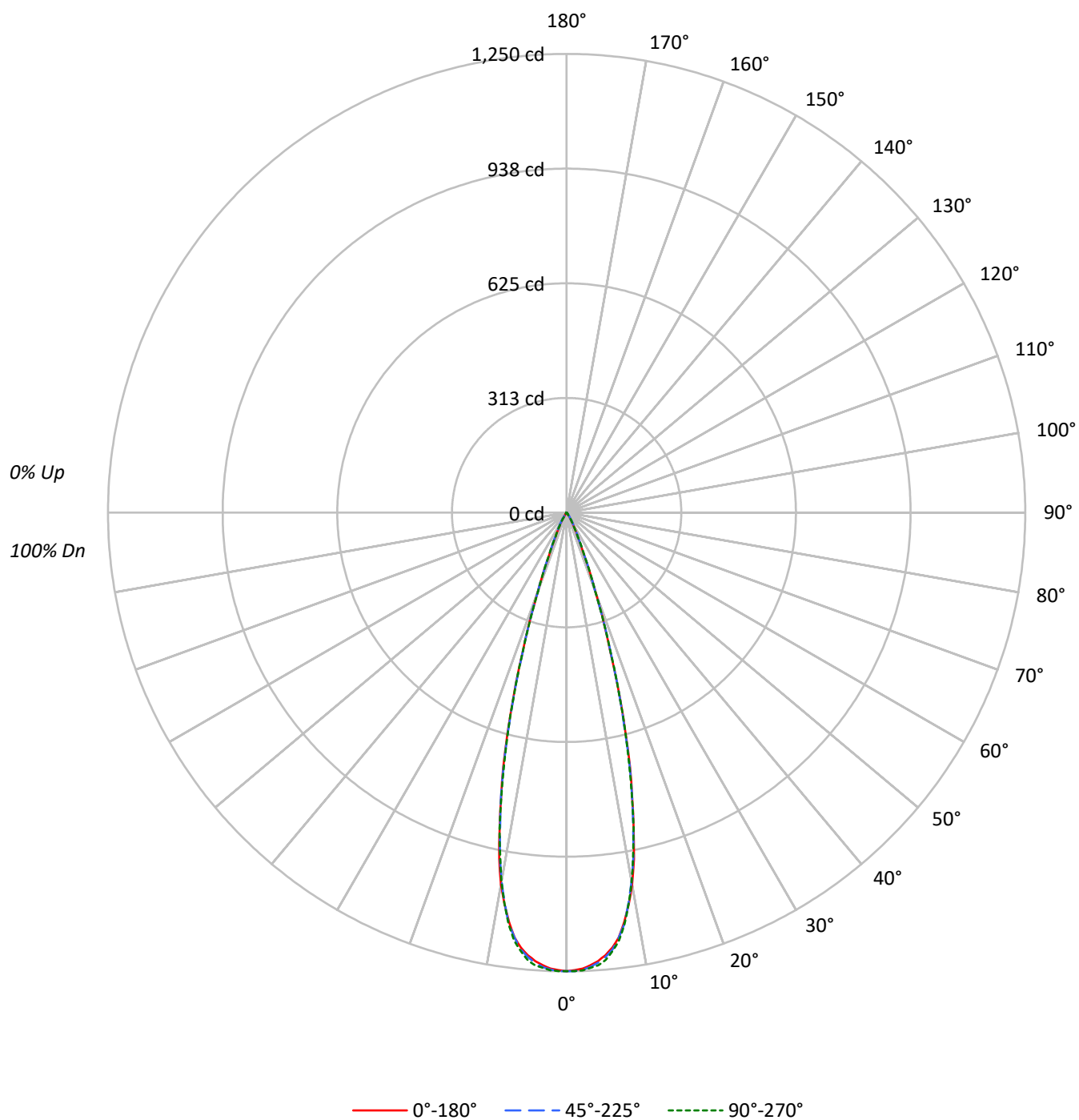
Lumens per Lamp: N/A
Luminaire Lumens: 325.1 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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					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	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	215209	215209	215209
5°	209324	210223	211519
10°	179986	178464	178639
15°	110598	109707	109796
20°	42098	42190	41402
25°	13397	14100	13435
30°	5389	6682	5528
35°	1745	2943	1745
40°	787	1304	787
45°	317	560	317
50°	134	268	134
55°	150	150	150
60°	172	172	172
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	33.9
10°-20°	163.5	50.3
20°-30°	40.6	12.5
30°-40°	8.1	2.5
40°-50°	1.5	0.5
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	314.4	96.7
0°-40°	322.5	99.2
0°-60°	324.5	99.8
0°-90°	325.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1211	1215	1216	1218	1224	110
15°	620	622	615	617	616	164
25°	70	72	74	73	71	39
35°	8	11	14	10	8	7
45°	1	2	2	2	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1249.6	1249.6	1249.6	1249.6	1249.6
1°	1246.9	1248.4	1249.4	1249.4	1249.4
2°	1243.4	1244.4	1245.9	1246.1	1248.1
3°	1235.1	1237.3	1239.8	1241.3	1242.3
4°	1225.0	1228.1	1229.6	1233.3	1236.6
5°	1210.8	1214.8	1216.0	1217.8	1223.5
6°	1191.5	1194.5	1197.0	1197.7	1201.2
7°	1165.9	1167.4	1166.9	1168.1	1174.4
8°	1127.0	1127.5	1131.8	1129.0	1133.3
9°	1080.9	1078.9	1077.9	1079.9	1080.1
10°	1029.2	1022.5	1020.5	1018.7	1021.5
11°	962.3	953.5	954.3	953.8	949.8
12°	879.0	878.0	871.5	872.8	878.8
13°	794.1	795.8	794.6	796.1	789.3
14°	714.3	705.8	708.1	699.5	702.8
15°	620.3	621.6	615.3	617.3	615.8
17.5°	397.2	399.9	397.9	396.1	398.9
20°	229.7	229.4	230.2	227.9	225.9
22.5°	120.9	122.6	124.9	125.1	126.6
25°	70.5	72.0	74.2	73.2	70.7
27.5°	43.1	45.9	49.4	46.9	43.9
30°	27.1	29.3	33.6	29.6	27.8
32.5°	15.3	18.6	22.1	18.6	15.3
35°	8.3	10.8	14.0	10.5	8.3
37.5°	5.5	6.3	9.3	6.3	5.5
40°	3.5	4.3	5.8	4.3	3.5
42.5°	2.0	2.8	3.3	2.8	2.0
45°	1.3	1.5	2.3	1.8	1.3
47.5°	0.5	0.8	1.5	0.8	0.8
50°	0.5	0.5	1.0	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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)