

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: P1319254

Luminaire Tested: LDSQA3D13R359835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359835DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

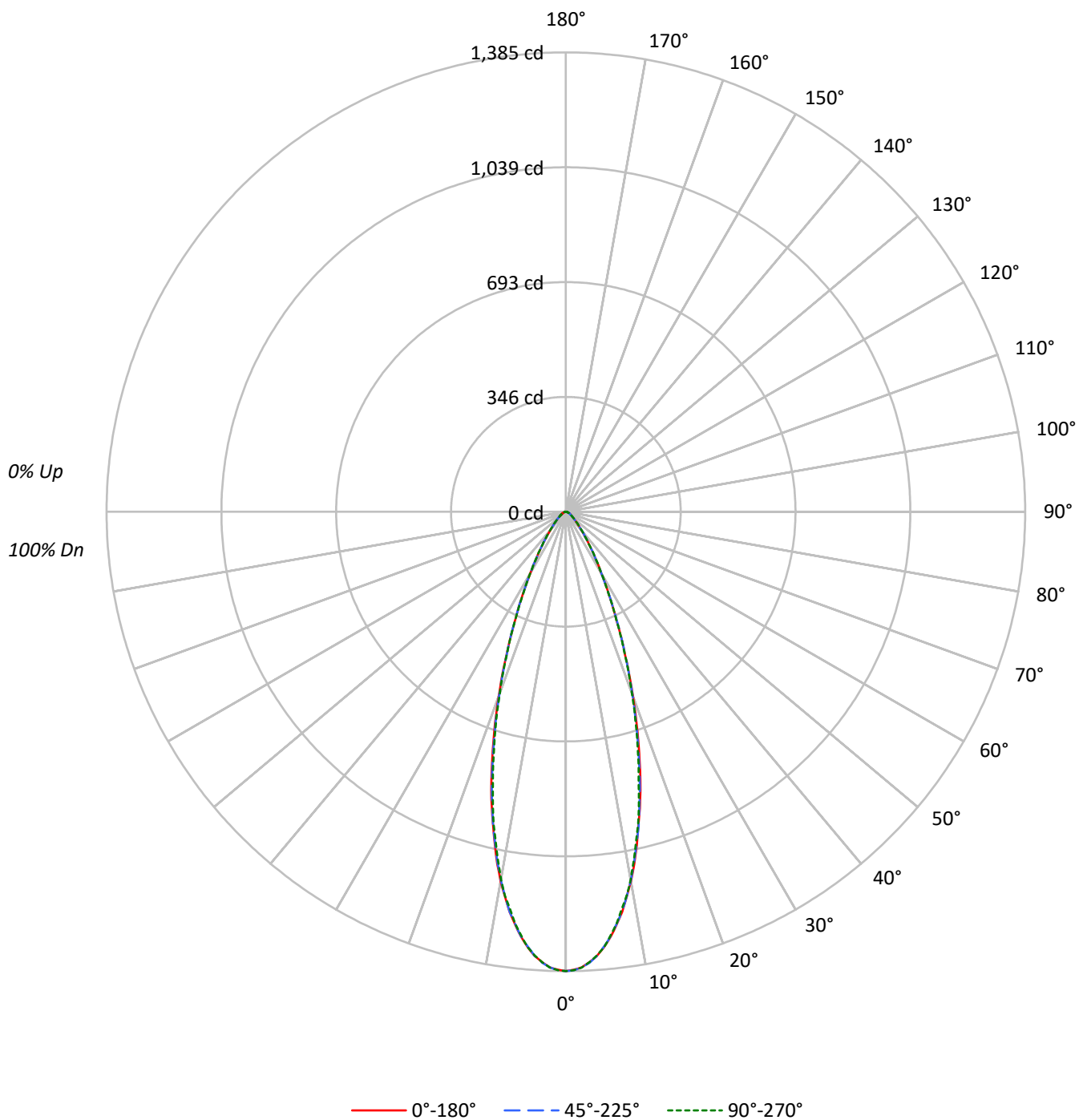
Lumens per Lamp: N/A
Luminaire Lumens: 683.0 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	238511	238511	238511
5°	227908	227511	227908
10°	197859	197194	196932
15°	155030	153818	151393
20°	108462	107491	106795
25°	68885	69322	68885
30°	42438	42736	42438
35°	26260	26407	26407
40°	16682	16839	16839
45°	11252	11423	11618
50°	8118	8306	8306
55°	6366	6366	6366
60°	5201	5201	5201
65°	4646	4646	4646
70°	4179	4179	4179
75°	3527	3527	3527
80°	2975	2975	2975
85°	1581	1581	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11618 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	17.5
10°-20°	235.6	34.5
20°-30°	170.0	24.9
30°-40°	82.0	12.0
40°-50°	37.8	5.5
50°-60°	19.5	2.9
60°-70°	11.3	1.7
70°-80°	5.7	0.8
80°-90°	1.4	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°	525.4	76.9
0°-40°	607.3	88.9
0°-60°	664.6	97.3
0°-90°	683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	683.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1318	1321	1316	1317	1318	120
15°	870	868	863	859	849	237
25°	362	363	365	365	362	170
35°	125	125	126	126	126	82
45°	46	47	47	48	48	37
55°	21	21	21	21	21	19
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1384.9	1384.9	1384.9	1384.9	1384.9
1°	1381.1	1383.4	1382.6	1383.4	1382.6
2°	1374.3	1375.8	1374.3	1375.1	1375.1
3°	1359.9	1361.5	1361.5	1360.7	1359.9
4°	1342.5	1346.3	1342.5	1343.3	1341.0
5°	1318.3	1321.3	1316.0	1316.8	1318.3
6°	1288.8	1289.6	1288.0	1287.3	1285.8
7°	1254.7	1257.8	1252.5	1253.2	1251.7
8°	1218.4	1217.7	1217.7	1214.6	1210.1
9°	1174.5	1177.6	1173.0	1171.5	1172.3
10°	1131.4	1131.4	1127.6	1123.8	1126.1
11°	1082.2	1080.7	1078.4	1073.1	1071.6
12°	1028.5	1031.5	1024.7	1022.4	1017.1
13°	973.2	977.8	974.7	966.4	967.2
14°	921.8	918.7	916.5	915.0	909.7
15°	869.5	868.0	862.7	858.9	849.1
17.5°	726.5	728.0	718.2	716.7	712.9
20°	591.8	587.3	586.5	587.3	582.7
22.5°	466.9	471.5	466.2	466.9	463.9
25°	362.5	363.3	364.8	364.8	362.5
27.5°	281.5	281.5	280.0	281.5	279.3
30°	213.4	213.4	214.9	216.4	213.4
32.5°	165.0	165.0	165.0	165.7	166.5
35°	124.9	124.9	125.6	125.6	125.6
37.5°	96.1	96.9	97.6	97.6	97.6
40°	74.2	74.9	74.9	75.7	74.9
42.5°	59.0	59.0	59.0	59.8	59.8
45°	46.2	46.9	46.9	47.7	47.7
47.5°	37.8	37.8	37.8	38.6	38.6
50°	30.3	31.0	31.0	31.0	31.0
52.5°	25.0	25.0	25.7	25.7	25.7
55°	21.2	21.2	21.2	21.2	21.2
57.5°	17.4	18.2	18.2	18.2	18.2
60°	15.1	15.1	15.1	15.1	15.1
62.5°	12.9	12.9	12.9	12.9	12.9
65°	11.4	11.4	11.4	11.4	11.4
67.5°	9.1	9.8	9.8	9.8	9.8
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.1	6.8	6.8	6.8	6.8
75°	5.3	5.3	5.3	5.3	5.3
77.5°	4.5	3.8	3.8	3.8	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.3	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8



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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)