

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: P1319237

Luminaire Tested: LDSQA3D13R309835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319237
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: LDSQA3D13R309835DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

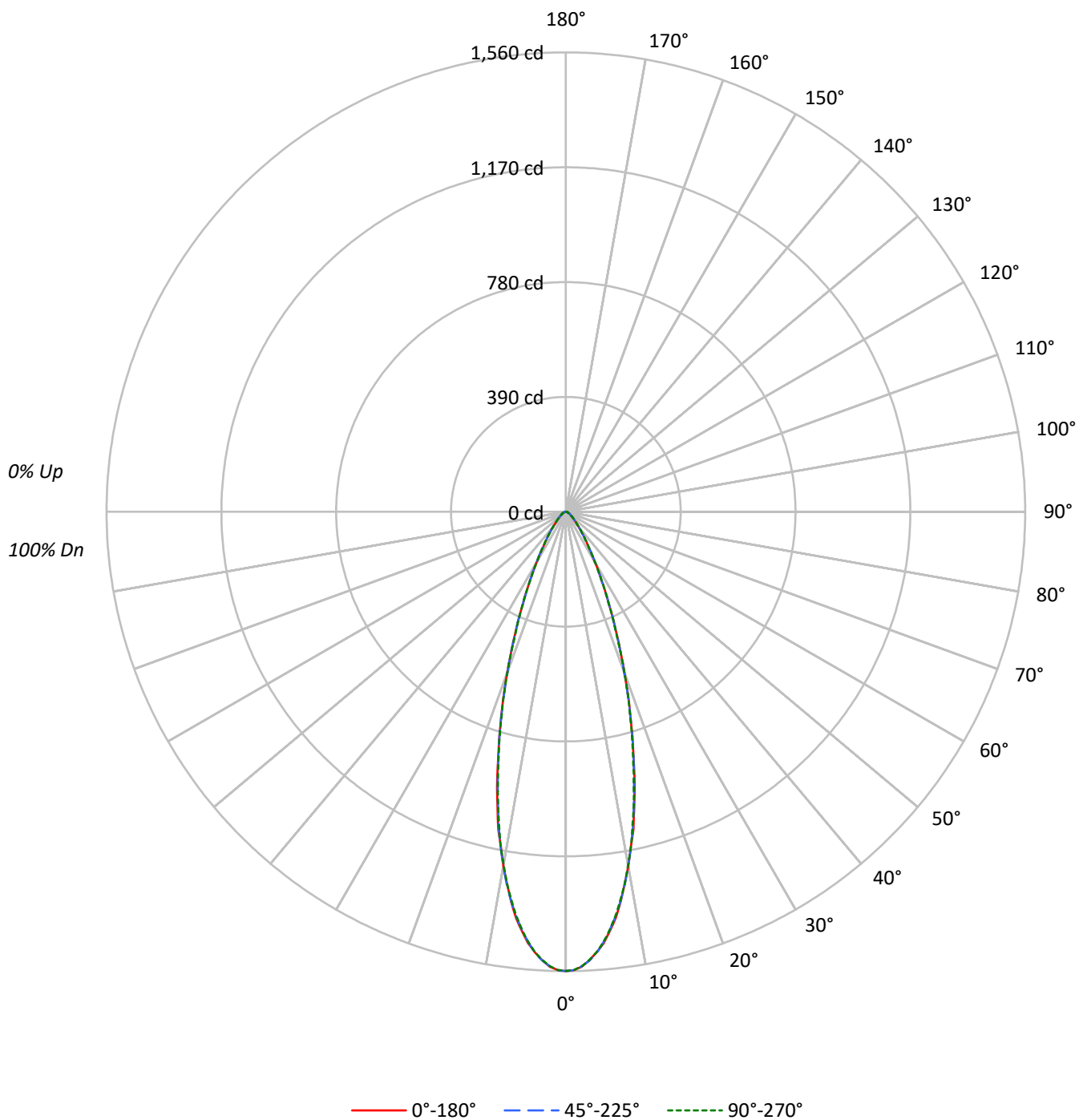
Lumens per Lamp: N/A
Luminaire Lumens: 685.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1319237

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1319237

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRL1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	268616	268616	268616
5°	254325	253668	253529
10°	213650	213650	212863
15°	159184	158774	157829
20°	106538	105988	106117
25°	65673	65521	65825
30°	39495	39495	39634
35°	24220	24220	24388
40°	15333	15333	15670
45°	10522	10717	10717
50°	7716	7716	7716
55°	5915	6155	6155
60°	4960	4960	5236
65°	4320	4320	4320
70°	3827	4179	4179
75°	3527	3527	3527
80°	2975	2975	2975
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10717 cd/sqm

TEST NUMBER: P1319237

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	19.3
10°-20°	244.1	35.6
20°-30°	162.3	23.7
30°-40°	75.0	11.0
40°-50°	34.8	5.1
50°-60°	18.6	2.7
60°-70°	10.9	1.6
70°-80°	5.7	0.8
80°-90°	1.2	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°	538.7	78.6
0°-40°	613.7	89.6
0°-60°	667.2	97.4
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1560	1560	1560	1560	1560	
5°	1471	1468	1467	1471	1466	132
15°	893	896	890	890	885	245
25°	346	345	345	345	346	163
35°	115	114	115	116	116	75
45°	43	43	44	44	44	35
55°	20	20	20	20	20	18
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1559.7	1559.7	1559.7	1559.7	1559.7
1°	1556.7	1555.2	1556.7	1559.0	1556.0
2°	1546.1	1544.6	1544.6	1547.6	1544.6
3°	1525.6	1527.2	1526.4	1529.4	1524.1
4°	1499.9	1499.1	1502.1	1503.7	1499.1
5°	1471.1	1468.0	1467.3	1471.1	1466.5
6°	1431.7	1429.4	1427.9	1432.4	1426.4
7°	1389.2	1387.7	1385.4	1386.9	1382.4
8°	1336.9	1336.2	1334.7	1336.2	1330.9
9°	1278.6	1278.6	1281.6	1280.8	1277.8
10°	1221.7	1223.2	1221.7	1223.2	1217.2
11°	1158.1	1158.1	1159.6	1158.8	1159.6
12°	1102.7	1096.7	1095.2	1093.6	1089.1
13°	1031.5	1026.9	1025.4	1026.9	1024.7
14°	966.3	963.3	955.7	957.2	954.2
15°	892.8	895.8	890.5	890.5	885.2
17.5°	729.9	726.8	728.3	729.1	726.8
20°	581.3	579.8	578.3	576.8	579.0
22.5°	451.7	452.5	450.9	449.4	447.9
25°	345.6	344.8	344.8	344.8	346.4
27.5°	262.2	262.2	262.2	263.0	263.0
30°	198.6	197.1	198.6	199.3	199.3
32.5°	148.5	150.1	150.8	150.8	150.8
35°	115.2	114.4	115.2	116.0	116.0
37.5°	87.9	87.9	88.7	88.7	89.4
40°	68.2	68.2	68.2	69.0	69.7
42.5°	53.8	53.8	54.6	54.6	55.3
45°	43.2	43.2	44.0	44.0	44.0
47.5°	34.9	34.9	35.6	35.6	35.6
50°	28.8	28.8	28.8	28.8	28.8
52.5°	24.3	23.5	24.3	24.3	24.3
55°	19.7	20.5	20.5	20.5	20.5
57.5°	16.7	17.4	17.4	17.4	17.4
60°	14.4	14.4	14.4	15.2	15.2
62.5°	12.1	12.9	12.9	12.9	12.9
65°	10.6	10.6	10.6	10.6	10.6
67.5°	9.1	9.1	9.1	9.1	9.9
70°	7.6	7.6	8.3	8.3	8.3
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.3	5.3	5.3	5.3	5.3
77.5°	3.8	3.8	4.5	4.5	3.8
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	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319237

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)