

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: P1312397

Luminaire Tested: LDSQA3D09R309050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312397
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: LDSQA3D09R309050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

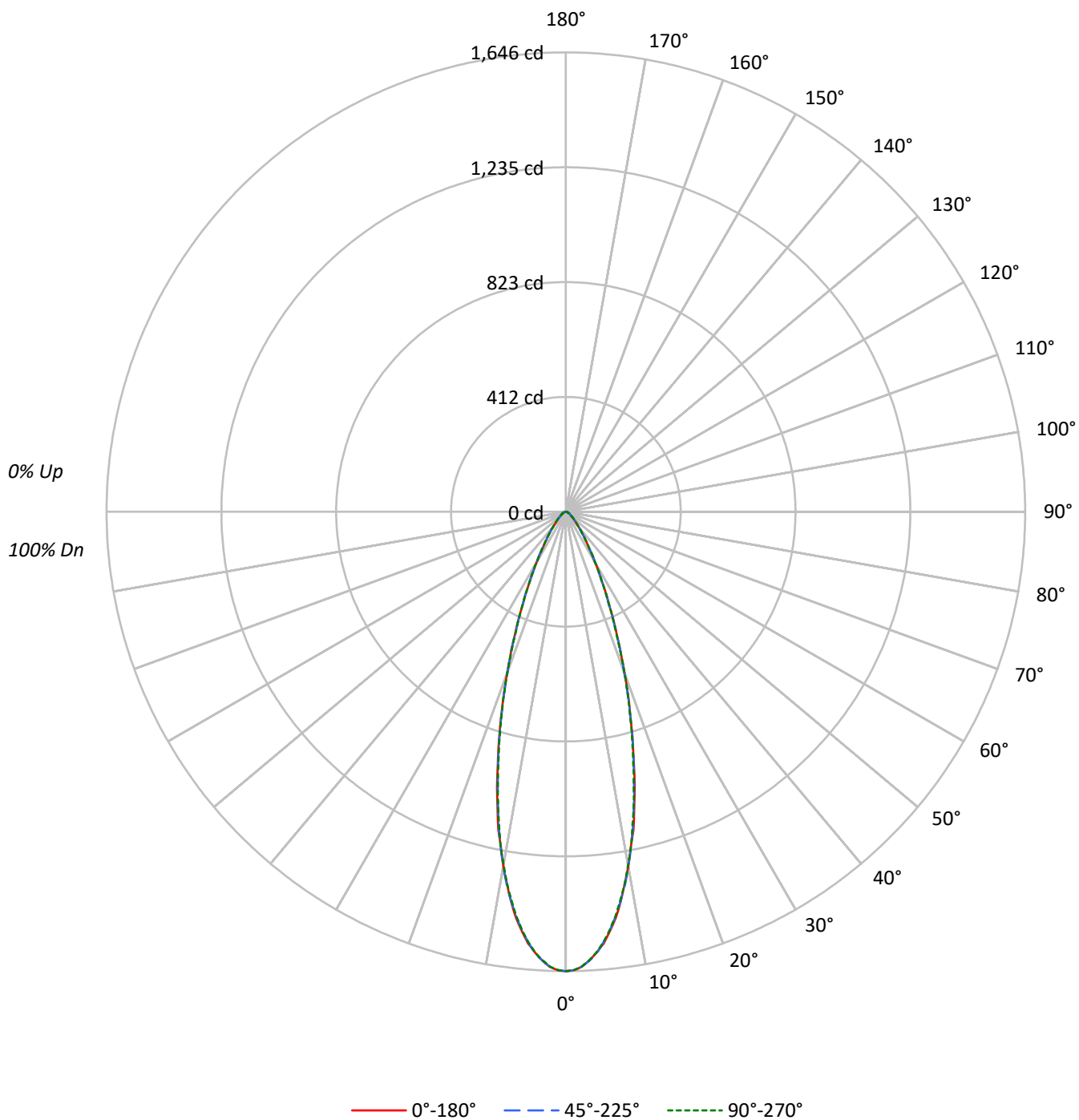
Lumens per Lamp: N/A
Luminaire Lumens: 723.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	283530	283530	283530
5°	268432	267740	267602
10°	225507	225507	224668
15°	168010	167582	166584
20°	112458	111871	112018
25°	69322	69170	69474
30°	41682	41682	41841
35°	25566	25566	25734
40°	16187	16187	16547
45°	11106	11301	11301
50°	8145	8145	8145
55°	6245	6486	6486
60°	5236	5236	5511
65°	4564	4564	4564
70°	4028	4431	4431
75°	3726	3726	3726
80°	3174	3174	3174
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 11301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	19.3
10°-20°	257.7	35.6
20°-30°	171.3	23.7
30°-40°	79.2	11.0
40°-50°	36.8	5.1
50°-60°	19.6	2.7
60°-70°	11.5	1.6
70°-80°	6.1	0.8
80°-90°	1.3	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°	568.6	78.6
0°-40°	647.8	89.6
0°-60°	704.2	97.4
0°-90°	723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1646	1646	1646	1646	1646	
5°	1553	1550	1549	1553	1548	140
15°	942	946	940	940	934	259
25°	365	364	364	364	366	172
35°	122	121	122	122	122	79
45°	46	46	46	46	46	36
55°	21	22	22	22	22	19
65°	11	11	11	11	11	11
75°	6	6	6	6	6	6
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°	1646.3	1646.3	1646.3	1646.3	1646.3
1°	1643.1	1641.5	1643.1	1645.5	1642.3
2°	1631.9	1630.3	1630.3	1633.5	1630.3
3°	1610.3	1611.9	1611.1	1614.3	1608.7
4°	1583.1	1582.3	1585.5	1587.1	1582.3
5°	1552.7	1549.5	1548.7	1552.7	1547.9
6°	1511.1	1508.7	1507.1	1511.9	1505.5
7°	1466.3	1464.7	1462.3	1463.9	1459.1
8°	1411.1	1410.3	1408.7	1410.3	1404.7
9°	1349.5	1349.5	1352.7	1351.9	1348.7
10°	1289.5	1291.1	1289.5	1291.1	1284.7
11°	1222.3	1222.3	1223.9	1223.1	1223.9
12°	1163.9	1157.5	1155.9	1154.3	1149.5
13°	1088.7	1083.9	1082.3	1083.9	1081.5
14°	1019.9	1016.7	1008.7	1010.3	1007.1
15°	942.3	945.5	939.9	939.9	934.3
17.5°	770.3	767.1	768.7	769.5	767.1
20°	613.6	612.0	610.4	608.8	611.2
22.5°	476.8	477.6	476.0	474.4	472.8
25°	364.8	364.0	364.0	364.0	365.6
27.5°	276.8	276.8	276.8	277.6	277.6
30°	209.6	208.0	209.6	210.4	210.4
32.5°	156.8	158.4	159.2	159.2	159.2
35°	121.6	120.8	121.6	122.4	122.4
37.5°	92.8	92.8	93.6	93.6	94.4
40°	72.0	72.0	72.0	72.8	73.6
42.5°	56.8	56.8	57.6	57.6	58.4
45°	45.6	45.6	46.4	46.4	46.4
47.5°	36.8	36.8	37.6	37.6	37.6
50°	30.4	30.4	30.4	30.4	30.4
52.5°	25.6	24.8	25.6	25.6	25.6
55°	20.8	21.6	21.6	21.6	21.6
57.5°	17.6	18.4	18.4	18.4	18.4
60°	15.2	15.2	15.2	16.0	16.0
62.5°	12.8	13.6	13.6	13.6	13.6
65°	11.2	11.2	11.2	11.2	11.2
67.5°	9.6	9.6	9.6	9.6	10.4
70°	8.0	8.0	8.8	8.8	8.8
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.0	4.0	4.8	4.8	4.0
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8
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)