

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: P1320113

Luminaire Tested: LDSQA3D13R309840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320113
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: LDSQA3D13R309840DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

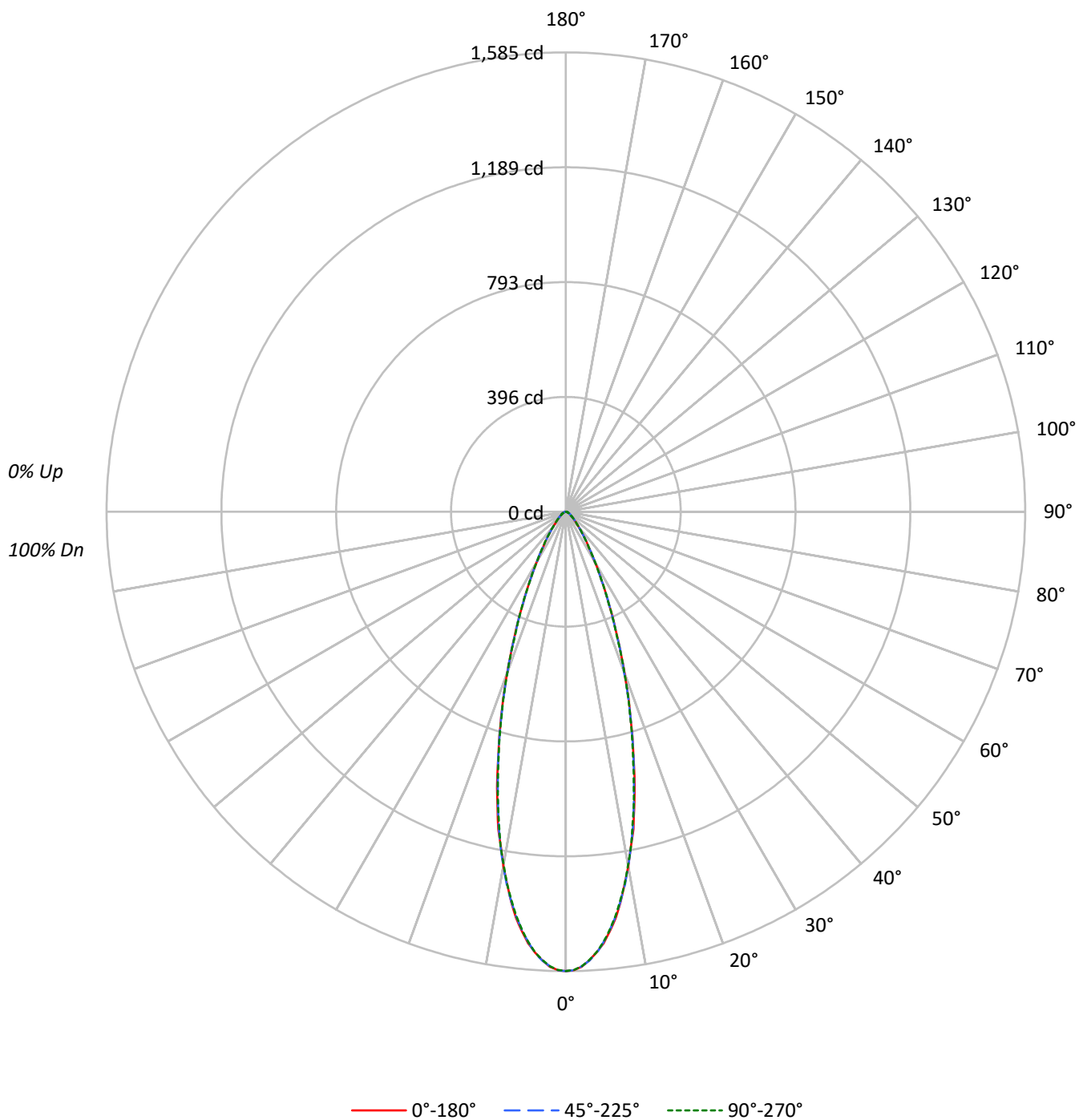
Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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°	272938	272938	272938
5°	258404	257730	257609
10°	217078	217078	216273
15°	161734	161324	160361
20°	108243	107693	107821
25°	66718	66585	66870
30°	40131	40131	40270
35°	24599	24599	24767
40°	15580	15580	15917
45°	10692	10887	10887
50°	7850	7850	7850
55°	6005	6245	6245
60°	5029	5029	5304
65°	4401	4401	4401
70°	3877	4280	4280
75°	3593	3593	3593
80°	3075	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10887 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	19.3
10°-20°	248.1	35.6
20°-30°	164.9	23.7
30°-40°	76.2	11.0
40°-50°	35.4	5.1
50°-60°	18.9	2.7
60°-70°	11.0	1.6
70°-80°	5.9	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°	547.3	78.6
0°-40°	623.5	89.6
0°-60°	677.8	97.4
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1585	1585	1585	1585	1585	
5°	1495	1492	1491	1495	1490	134
15°	907	910	905	905	899	249
25°	351	350	350	350	352	165
35°	117	116	117	118	118	76
45°	44	44	45	45	45	35
55°	20	21	21	21	21	19
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1584.8	1584.8	1584.8	1584.8	1584.8
1°	1581.7	1580.2	1581.7	1584.0	1580.9
2°	1570.9	1569.4	1569.4	1572.5	1569.4
3°	1550.1	1551.7	1550.9	1554.0	1548.6
4°	1524.0	1523.2	1526.3	1527.8	1523.2
5°	1494.7	1491.6	1490.8	1494.7	1490.1
6°	1454.7	1452.3	1450.8	1455.4	1449.3
7°	1411.5	1410.0	1407.7	1409.2	1404.6
8°	1358.4	1357.6	1356.1	1357.6	1352.2
9°	1299.1	1299.1	1302.2	1301.4	1298.3
10°	1241.3	1242.9	1241.3	1242.9	1236.7
11°	1176.7	1176.7	1178.2	1177.4	1178.2
12°	1120.4	1114.3	1112.7	1111.2	1106.6
13°	1048.1	1043.4	1041.9	1043.4	1041.1
14°	981.8	978.8	971.1	972.6	969.5
15°	907.1	910.2	904.8	904.8	899.4
17.5°	741.6	738.5	740.0	740.8	738.5
20°	590.6	589.1	587.6	586.0	588.3
22.5°	459.0	459.7	458.2	456.6	455.1
25°	351.1	350.4	350.4	350.4	351.9
27.5°	266.4	266.4	266.4	267.2	267.2
30°	201.8	200.2	201.8	202.5	202.5
32.5°	150.9	152.5	153.2	153.2	153.2
35°	117.0	116.3	117.0	117.8	117.8
37.5°	89.3	89.3	90.1	90.1	90.9
40°	69.3	69.3	69.3	70.1	70.8
42.5°	54.7	54.7	55.4	55.4	56.2
45°	43.9	43.9	44.7	44.7	44.7
47.5°	35.4	35.4	36.2	36.2	36.2
50°	29.3	29.3	29.3	29.3	29.3
52.5°	24.6	23.9	24.6	24.6	24.6
55°	20.0	20.8	20.8	20.8	20.8
57.5°	16.9	17.7	17.7	17.7	17.7
60°	14.6	14.6	14.6	15.4	15.4
62.5°	12.3	13.1	13.1	13.1	13.1
65°	10.8	10.8	10.8	10.8	10.8
67.5°	9.2	9.2	9.2	9.2	10.0
70°	7.7	7.7	8.5	8.5	8.5
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.4	5.4	5.4	5.4	5.4
77.5°	3.9	3.9	4.6	4.6	3.9
80°	3.1	3.1	3.1	3.1	3.1
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



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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)