

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: P1316727

Luminaire Tested: LDSQA3D17R259740DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259740DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

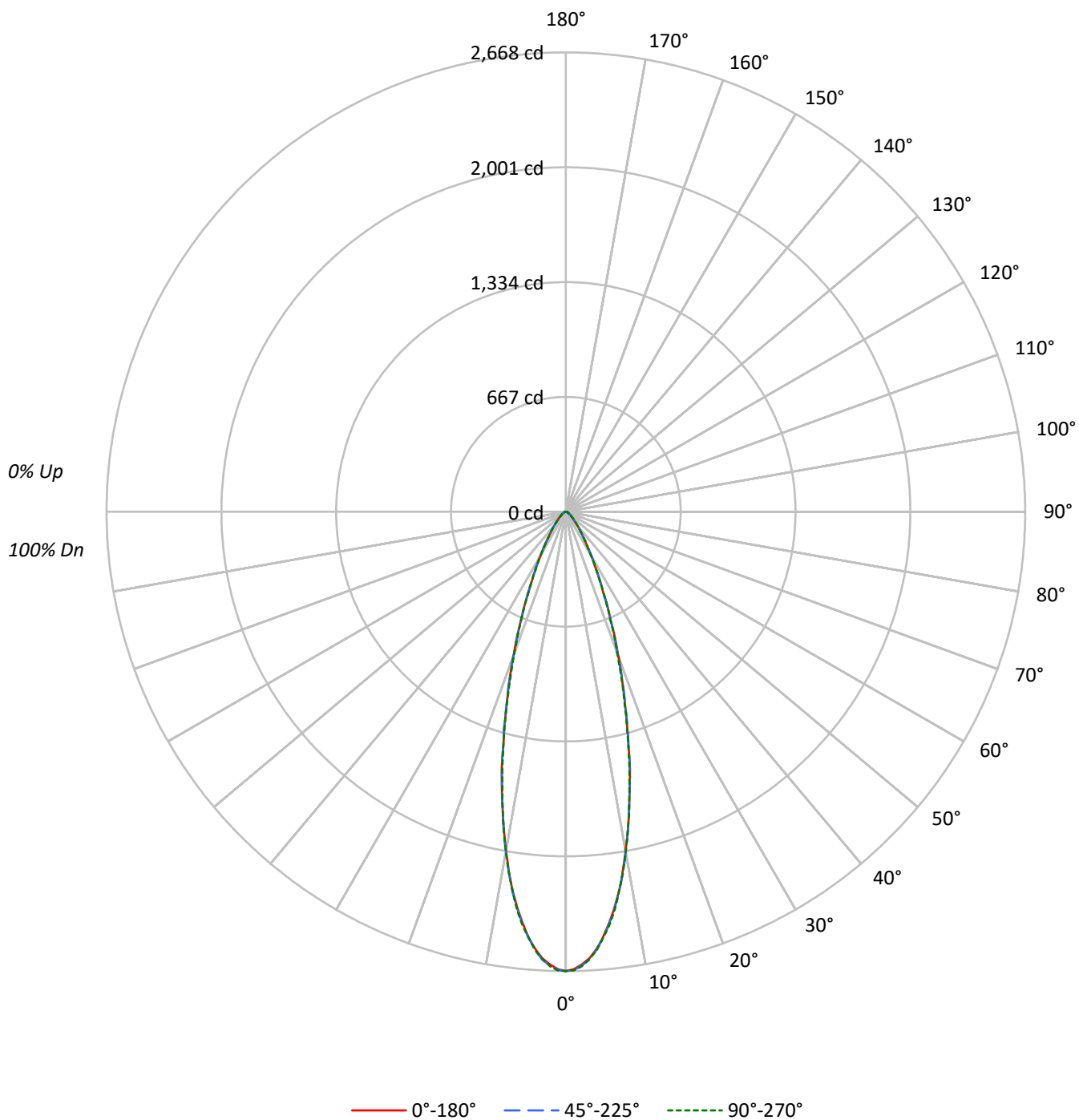
Lumens per Lamp: N/A
Luminaire Lumens: 1069.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	459473	459473	459473
5°	428882	429297	429522
10°	349811	350913	350913
15°	249867	251186	249867
20°	163518	161924	159633
25°	97218	97693	97218
30°	58566	58566	58307
35°	35679	35952	35679
40°	22729	22999	22999
45°	15807	15807	15807
50°	11360	11709	11709
55°	8978	8978	9368
60°	7302	7750	7750
65°	6602	6602	6602
70°	5640	5640	6294
75°	4991	4991	5789
80°	4959	4959	4959
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15807 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	20.7
10°-20°	386.5	36.2
20°-30°	242.9	22.7
30°-40°	111.1	10.4
40°-50°	51.9	4.9
50°-60°	27.9	2.6
60°-70°	16.5	1.5
70°-80°	8.6	0.8
80°-90°	1.9	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°	851.1	79.6
0°-40°	962.2	90.0
0°-60°	1042.1	97.5
0°-90°	1069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2668	2668	2668	2668	2668	
5°	2481	2486	2483	2486	2484	221
15°	1401	1410	1409	1411	1401	386
25°	512	518	514	514	512	243
35°	170	170	171	171	170	111
45°	65	65	65	65	65	51
55°	30	30	30	31	31	27
65°	16	16	16	16	16	16
75°	8	8	8	9	9	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2667.9	2667.9	2667.9	2667.9	2667.9
1°	2656.7	2659.2	2661.7	2665.4	2664.2
2°	2631.7	2636.7	2638.0	2643.0	2641.7
3°	2598.1	2596.8	2606.8	2606.8	2600.5
4°	2545.6	2548.1	2550.6	2553.1	2554.4
5°	2480.8	2485.7	2483.2	2485.7	2484.5
6°	2400.9	2408.4	2407.1	2409.6	2413.4
7°	2316.0	2321.0	2321.0	2318.5	2328.5
8°	2223.7	2219.9	2226.2	2223.7	2222.4
9°	2113.9	2121.4	2122.6	2116.4	2118.9
10°	2000.3	2005.3	2006.6	2010.3	2006.6
11°	1888.0	1888.0	1890.5	1896.8	1886.8
12°	1765.7	1777.0	1765.7	1770.7	1765.7
13°	1649.7	1652.2	1649.7	1648.4	1639.7
14°	1539.9	1531.1	1533.6	1523.6	1524.9
15°	1401.4	1410.1	1408.8	1411.3	1401.4
17.5°	1126.8	1131.8	1130.6	1128.1	1115.6
20°	892.2	892.2	883.5	878.5	871.0
22.5°	681.3	678.8	675.1	671.4	673.8
25°	511.6	517.9	514.1	514.1	511.6
27.5°	386.8	394.3	388.1	384.3	386.8
30°	294.5	297.0	294.5	293.2	293.2
32.5°	222.1	223.4	222.1	222.1	222.1
35°	169.7	169.7	171.0	171.0	169.7
37.5°	131.0	131.0	131.0	131.0	132.3
40°	101.1	102.3	102.3	102.3	102.3
42.5°	79.9	81.1	81.1	81.1	81.1
45°	64.9	64.9	64.9	64.9	64.9
47.5°	52.4	52.4	52.4	52.4	53.7
50°	42.4	43.7	43.7	43.7	43.7
52.5°	36.2	36.2	36.2	36.2	36.2
55°	29.9	29.9	29.9	31.2	31.2
57.5°	25.0	25.0	26.2	26.2	26.2
60°	21.2	22.5	22.5	22.5	22.5
62.5°	18.7	18.7	20.0	20.0	20.0
65°	16.2	16.2	16.2	16.2	16.2
67.5°	13.7	13.7	13.7	13.7	15.0
70°	11.2	11.2	11.2	12.5	12.5
72.5°	10.0	10.0	10.0	10.0	10.0
75°	7.5	7.5	7.5	8.7	8.7
77.5°	6.2	6.2	6.2	6.2	6.2
80°	5.0	5.0	5.0	5.0	5.0
82.5°	2.5	2.5	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
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)