

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: P1320049

Luminaire Tested: LDSQA3D09R709840DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709840DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

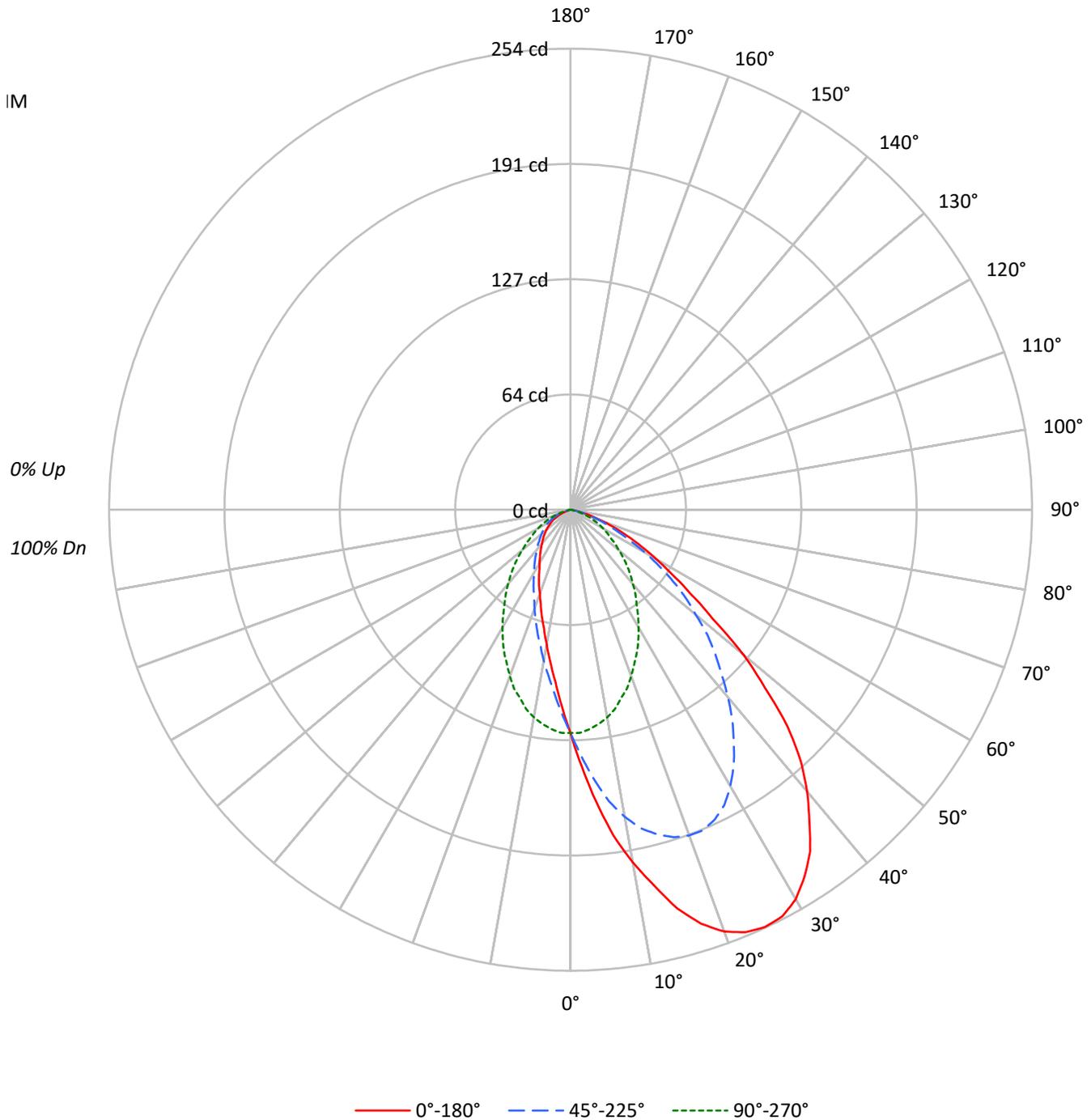
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 276.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21183	21183	21183	21183	21183
5°	27903	25794	20970	17565	16458
10°	34504	30044	20304	14812	13203
15°	40563	33021	19149	12517	10858
20°	45324	35006	17869	10630	9035
25°	48191	35744	16437	9159	7829
30°	49279	34980	14895	7955	6801
35°	48314	32945	13309	7190	6097
40°	45549	30283	12005	6520	5486
45°	41137	27425	10741	5943	5090
50°	33277	24114	9324	5600	4662
55°	24231	20748	8017	5225	4174
60°	18807	16396	7199	4788	3789
65°	14181	11818	5909	4238	2853
70°	9920	8460	4381	3223	1762
75°	5789	4991	2329	1530	399
80°	1190	1686	595	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41137 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	4.4
10°-20°	35.9	13.0
20°-30°	54.1	19.6
30°-40°	60.1	21.8
40°-50°	53.3	19.3
50°-60°	36.2	13.1
60°-70°	19.0	6.9
70°-80°	5.4	1.9
80°-90°	0.2	0.1
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°	102.0	36.9
0°-40°	162.1	58.7
0°-60°	251.5	91.1
0°-90°	276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	123	123	123	123	123	
5°	161	149	121	102	95	17
15°	228	185	107	70	61	65
25°	254	188	86	48	41	116
35°	230	157	63	34	29	142
45°	169	113	44	24	21	128
55°	81	69	27	17	14	75
65°	35	29	14	10	7	35
75°	9	8	4	2	1	10
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
2.5°	141.6	141.0	140.5	140.5	139.9	139.3	138.1	138.1	137.0	135.8	134.7
5°	161.4	161.4	161.4	159.6	159.6	157.3	156.1	153.8	151.5	149.2	146.3
7.5°	181.1	181.1	179.4	178.8	177.0	174.7	173.0	169.5	165.4	161.9	157.3
10°	197.3	197.3	195.6	194.4	191.0	188.6	185.2	181.1	177.0	171.8	166.0
12.5°	211.9	212.4	210.1	207.8	204.3	200.8	196.2	191.0	185.7	179.9	172.4
15°	227.5	226.9	224.0	221.1	217.1	211.9	206.1	199.1	192.1	185.2	177.0
17.5°	239.1	238.6	235.7	232.2	226.9	220.6	214.2	206.1	197.9	189.2	179.4
20°	247.3	246.7	243.8	239.1	233.9	226.9	219.4	210.1	201.4	191.0	179.9
22.5°	251.9	251.3	247.8	243.8	237.4	229.8	221.7	211.9	202.0	191.0	178.8
25°	253.6	252.5	249.0	244.4	238.0	229.8	220.6	210.1	199.7	188.1	175.3
27.5°	252.5	251.3	247.3	242.0	235.1	225.8	216.5	206.1	195.0	183.4	170.1
30°	247.8	246.1	242.6	237.4	229.8	220.6	210.7	199.7	188.1	175.9	162.5
32.5°	239.7	238.6	235.1	229.3	221.7	212.4	202.6	191.0	179.4	167.2	153.8
35°	229.8	227.5	224.0	218.8	211.3	202.0	192.1	179.9	168.9	156.7	143.9
37.5°	215.9	215.3	211.3	207.2	199.7	189.8	180.5	168.9	157.9	146.3	133.5
40°	202.6	201.4	197.9	193.3	185.7	177.0	167.2	156.7	145.7	134.7	123.0
42.5°	187.5	185.7	183.4	178.8	171.8	163.1	153.8	143.4	133.5	123.0	112.6
45°	168.9	168.3	165.4	163.1	156.7	149.2	139.9	130.6	120.7	112.6	104.5
47.5°	145.1	144.5	143.9	142.2	138.7	133.5	126.5	117.8	110.3	102.2	91.1
50°	124.2	123.6	122.5	121.9	119.0	116.1	110.9	105.6	99.3	90.0	81.3
52.5°	98.7	99.3	101.0	101.6	101.0	98.7	96.4	94.6	85.9	80.1	72.0
55°	80.7	80.7	80.1	80.7	81.3	82.4	82.4	80.1	74.3	69.1	62.1
57.5°	66.2	66.2	66.2	66.2	66.2	66.7	66.7	66.2	63.3	58.0	51.7
60°	54.6	54.0	54.0	54.6	54.0	54.0	54.6	54.6	51.7	47.6	41.8
62.5°	44.1	44.1	44.1	43.5	43.5	44.1	44.1	43.5	41.2	37.1	33.1
65°	34.8	34.8	34.8	34.8	34.8	35.4	34.8	34.2	31.9	29.0	26.1
67.5°	26.7	26.7	27.3	26.7	27.3	27.3	27.3	26.1	24.4	22.1	20.3
70°	19.7	19.7	19.7	20.3	20.9	20.9	20.3	19.2	18.0	16.8	15.1
72.5°	13.3	13.9	13.9	13.9	14.5	14.5	13.9	13.3	12.8	11.6	11.0
75°	8.7	8.1	8.7	8.7	9.3	9.3	8.7	8.7	8.1	7.5	7.0
77.5°	4.1	4.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	4.1
80°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
2.5°	133.5	131.8	129.4	123.0	117.2	112.0	109.1	108.5
5°	142.8	140.5	134.7	121.3	110.3	101.6	96.4	95.2
7.5°	152.7	148.0	139.9	119.0	103.3	92.3	86.5	84.7
10°	160.2	154.4	143.4	116.1	96.4	84.7	77.8	75.5
12.5°	165.4	158.5	146.3	112.6	90.5	76.6	69.7	67.3
15°	168.3	160.8	146.8	107.4	83.6	70.2	62.7	60.9
17.5°	169.5	160.8	145.7	103.3	77.2	63.8	56.9	54.6
20°	168.9	158.5	142.8	97.5	71.4	58.0	51.1	49.3
22.5°	166.6	155.0	138.1	91.7	65.6	52.2	46.4	45.3
25°	163.1	150.3	132.9	86.5	60.4	48.2	42.4	41.2
27.5°	157.3	144.5	126.0	80.7	55.7	44.1	38.9	37.1
30°	149.7	137.6	119.0	74.9	51.1	40.0	35.4	34.2
32.5°	141.6	129.4	112.0	69.1	47.0	37.1	32.5	31.3
35°	132.3	120.7	103.3	63.3	43.0	34.2	29.6	29.0
37.5°	123.0	111.4	95.8	58.6	39.5	31.3	27.3	26.7
40°	112.6	103.3	91.7	53.4	36.6	29.0	25.5	24.4
42.5°	106.2	93.4	78.9	48.8	33.7	26.7	23.2	22.6
45°	92.3	83.0	71.4	44.1	30.8	24.4	21.5	20.9
47.5°	83.0	74.9	63.8	39.5	28.4	22.6	19.7	19.2
50°	73.7	66.2	55.7	34.8	26.1	20.9	18.0	17.4
52.5°	64.4	56.9	47.6	30.8	23.2	19.2	16.3	15.7
55°	55.1	48.2	39.5	26.7	20.9	17.4	15.1	13.9
57.5°	45.3	39.5	33.7	23.8	18.6	15.7	13.3	12.2
60°	36.6	33.1	28.4	20.9	16.3	13.9	11.6	11.0
62.5°	29.6	26.7	23.8	18.0	14.5	12.2	10.4	8.7
65°	23.8	22.1	19.7	14.5	12.2	10.4	8.7	7.0
67.5°	18.6	17.4	15.7	12.2	9.9	8.7	6.4	5.2
70°	14.5	13.3	12.2	8.7	7.5	6.4	4.6	3.5
72.5°	10.4	9.3	8.7	6.4	5.2	4.6	2.9	1.7
75°	6.4	6.4	5.2	3.5	2.9	2.3	1.2	0.6
77.5°	3.5	3.5	2.9	1.7	1.7	0.6	0.0	0.0
80°	1.7	1.2	1.2	0.6	0.6	0.0	0.0	0.0
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)