

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: P1308372

Luminaire Tested: LDSQA3D17R709027DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308372
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: LDSQA3D17R709027DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

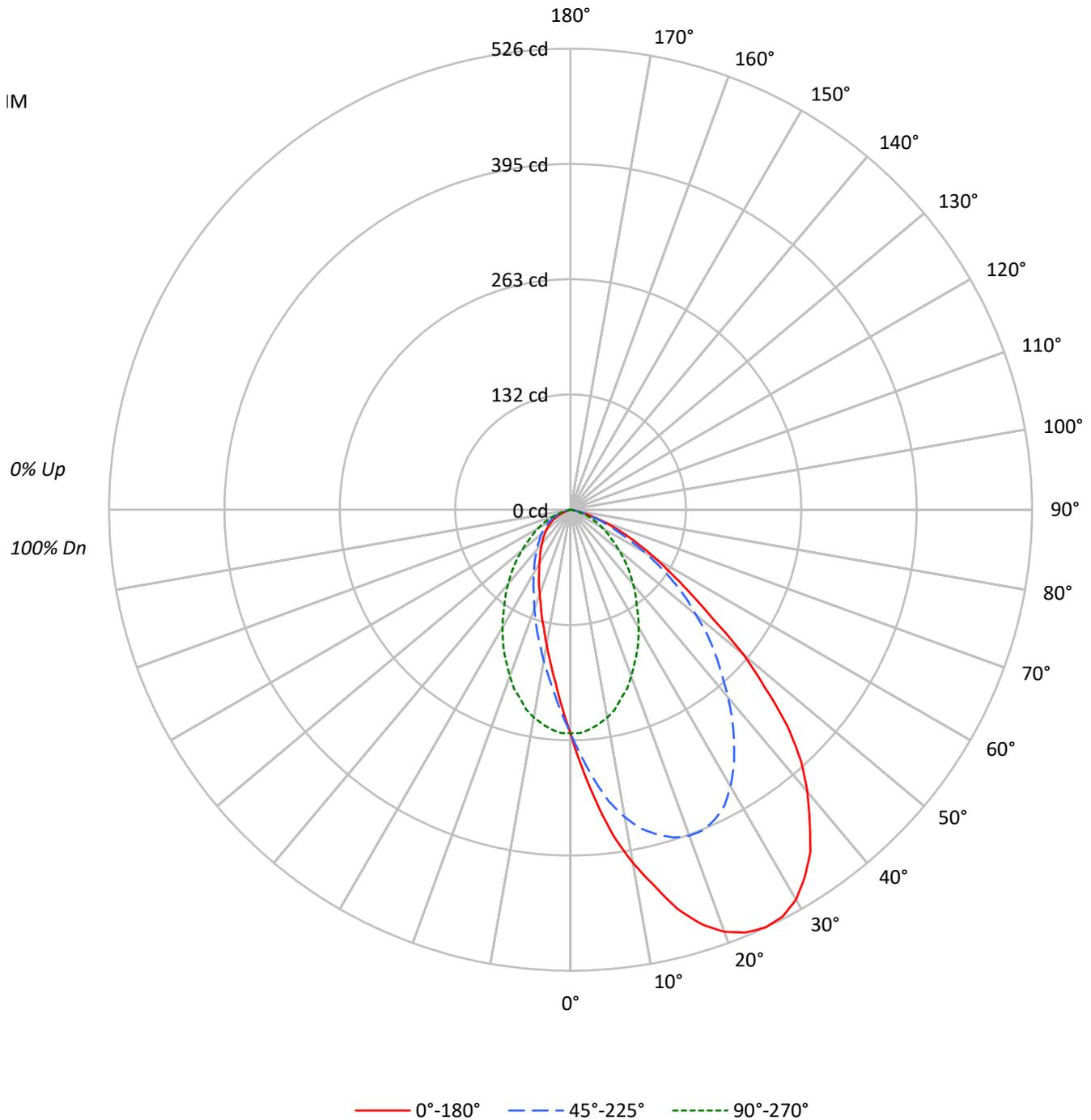
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 572.0 lumens
Efficiency: N/A
Efficacy: 27.0 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): 21.2
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°	43917	43917	43917	43917	43917
5°	57811	53437	43462	36391	34109
10°	71526	62275	42076	30709	27351
15°	84068	68413	39671	25960	22519
20°	93910	72540	37040	22048	18731
25°	99897	74053	34053	18965	16228
30°	102137	72487	30864	16506	14119
35°	100161	68288	27563	14927	12636
40°	94380	62747	24888	13512	11353
45°	85246	56847	22261	12300	10546
50°	68965	49969	19345	11601	9672
55°	50204	42967	16604	10839	8678
60°	38957	33962	14914	9954	7888
65°	29422	24492	12266	8843	5868
70°	20595	17574	9064	6647	3626
75°	11978	10381	4791	3194	799
80°	2380	3570	1190	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 85246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	4.4
10°-20°	74.4	13.0
20°-30°	112.0	19.6
30°-40°	124.5	21.8
40°-50°	110.4	19.3
50°-60°	74.9	13.1
60°-70°	39.3	6.9
70°-80°	11.1	1.9
80°-90°	0.3	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°	211.3	36.9
0°-40°	335.9	58.7
0°-60°	521.2	91.1
0°-90°	572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	572.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	255	255	255	255	255	
5°	334	309	251	210	197	34
15°	472	384	222	146	126	134
25°	526	390	179	100	85	241
35°	476	325	131	71	60	295
45°	350	233	91	50	43	265
55°	167	143	55	36	29	154
65°	72	60	30	22	14	73
75°	18	16	7	5	1	20
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°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0
2.5°	293.5	292.3	291.1	291.1	289.9	288.7	286.3	286.3	283.9	281.5	279.1
5°	334.4	334.4	334.4	330.8	330.8	326.0	323.6	318.8	314.0	309.1	303.1
7.5°	375.3	375.3	371.7	370.5	366.9	362.1	358.5	351.2	342.8	335.6	326.0
10°	409.0	409.0	405.4	403.0	395.8	390.9	383.7	375.3	366.9	356.1	344.0
12.5°	439.1	440.3	435.5	430.6	423.4	416.2	406.6	395.8	384.9	372.9	357.3
15°	471.5	470.3	464.3	458.3	449.9	439.1	427.0	412.6	398.2	383.7	366.9
17.5°	495.6	494.4	488.4	481.2	470.3	457.1	443.9	427.0	410.2	392.1	371.7
20°	512.4	511.2	505.2	495.6	484.8	470.3	454.7	435.5	417.4	395.8	372.9
22.5°	522.1	520.9	513.6	505.2	492.0	476.4	459.5	439.1	418.6	395.8	370.5
25°	525.7	523.3	516.0	506.4	493.2	476.4	457.1	435.5	413.8	389.7	363.3
27.5°	523.3	520.9	512.4	501.6	487.2	467.9	448.7	427.0	404.2	380.1	352.5
30°	513.6	510.0	502.8	492.0	476.4	457.1	436.7	413.8	389.7	364.5	336.8
32.5°	496.8	494.4	487.2	475.1	459.5	440.3	419.8	395.8	371.7	346.4	318.8
35°	476.4	471.5	464.3	453.5	437.9	418.6	398.2	372.9	350.0	324.8	298.3
37.5°	447.5	446.3	437.9	429.4	413.8	393.4	374.1	350.0	327.2	303.1	276.7
40°	419.8	417.4	410.2	400.6	384.9	366.9	346.4	324.8	301.9	279.1	255.0
42.5°	388.5	384.9	380.1	370.5	356.1	338.0	318.8	297.1	276.7	255.0	233.4
45°	350.0	348.8	342.8	338.0	324.8	309.1	289.9	270.7	250.2	233.4	216.5
47.5°	300.7	299.5	298.3	294.7	287.5	276.7	262.2	244.2	228.6	211.7	188.9
50°	257.4	256.2	253.8	252.6	246.6	240.6	229.8	218.9	205.7	186.5	168.4
52.5°	204.5	205.7	209.3	210.5	209.3	204.5	199.7	196.1	178.0	166.0	149.2
55°	167.2	167.2	166.0	167.2	168.4	170.8	170.8	166.0	154.0	143.1	128.7
57.5°	137.1	137.1	137.1	137.1	137.1	138.3	138.3	137.1	131.1	120.3	107.1
60°	113.1	111.9	111.9	113.1	111.9	111.9	113.1	113.1	107.1	98.6	86.6
62.5°	91.4	91.4	91.4	90.2	90.2	91.4	91.4	90.2	85.4	77.0	68.6
65°	72.2	72.2	72.2	72.2	72.2	73.4	72.2	71.0	66.2	60.1	54.1
67.5°	55.3	55.3	56.5	55.3	56.5	56.5	56.5	54.1	50.5	45.7	42.1
70°	40.9	40.9	40.9	42.1	43.3	43.3	42.1	39.7	37.3	34.9	31.3
72.5°	27.7	28.9	28.9	28.9	30.1	30.1	28.9	27.7	26.5	24.1	22.9
75°	18.0	16.8	18.0	18.0	19.2	19.2	18.0	18.0	16.8	15.6	14.4
77.5°	8.4	8.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.4	8.4
80°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	255.0	255.0	255.0	255.0	255.0	255.0	255.0	255.0
2.5°	276.7	273.1	268.2	255.0	243.0	232.2	226.1	224.9
5°	295.9	291.1	279.1	251.4	228.6	210.5	199.7	197.3
7.5°	316.4	306.7	289.9	246.6	214.1	191.3	179.2	175.6
10°	332.0	320.0	297.1	240.6	199.7	175.6	161.2	156.4
12.5°	342.8	328.4	303.1	233.4	187.7	158.8	144.3	139.5
15°	348.8	333.2	304.3	222.5	173.2	145.6	129.9	126.3
17.5°	351.2	333.2	301.9	214.1	160.0	132.3	117.9	113.1
20°	350.0	328.4	295.9	202.1	148.0	120.3	105.9	102.2
22.5°	345.2	321.2	286.3	190.1	135.9	108.3	96.2	93.8
25°	338.0	311.6	275.5	179.2	125.1	99.8	87.8	85.4
27.5°	326.0	299.5	261.0	167.2	115.5	91.4	80.6	77.0
30°	310.4	285.1	246.6	155.2	105.9	83.0	73.4	71.0
32.5°	293.5	268.2	232.2	143.1	97.4	77.0	67.4	65.0
35°	274.3	250.2	214.1	131.1	89.0	71.0	61.3	60.1
37.5°	255.0	231.0	198.5	121.5	81.8	65.0	56.5	55.3
40°	233.4	214.1	190.1	110.7	75.8	60.1	52.9	50.5
42.5°	220.1	193.7	163.6	101.0	69.8	55.3	48.1	46.9
45°	191.3	172.0	148.0	91.4	63.8	50.5	44.5	43.3
47.5°	172.0	155.2	132.3	81.8	58.9	46.9	40.9	39.7
50°	152.8	137.1	115.5	72.2	54.1	43.3	37.3	36.1
52.5°	133.5	117.9	98.6	63.8	48.1	39.7	33.7	32.5
55°	114.3	99.8	81.8	55.3	43.3	36.1	31.3	28.9
57.5°	93.8	81.8	69.8	49.3	38.5	32.5	27.7	25.3
60°	75.8	68.6	58.9	43.3	33.7	28.9	24.1	22.9
62.5°	61.3	55.3	49.3	37.3	30.1	25.3	21.7	18.0
65°	49.3	45.7	40.9	30.1	25.3	21.7	18.0	14.4
67.5°	38.5	36.1	32.5	25.3	20.4	18.0	13.2	10.8
70°	30.1	27.7	25.3	18.0	15.6	13.2	9.6	7.2
72.5°	21.7	19.2	18.0	13.2	10.8	9.6	6.0	3.6
75°	13.2	13.2	10.8	7.2	6.0	4.8	2.4	1.2
77.5°	7.2	7.2	6.0	3.6	3.6	1.2	0.0	0.0
80°	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
82.5°	1.2	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)