

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: P1311726

Luminaire Tested: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311726
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: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

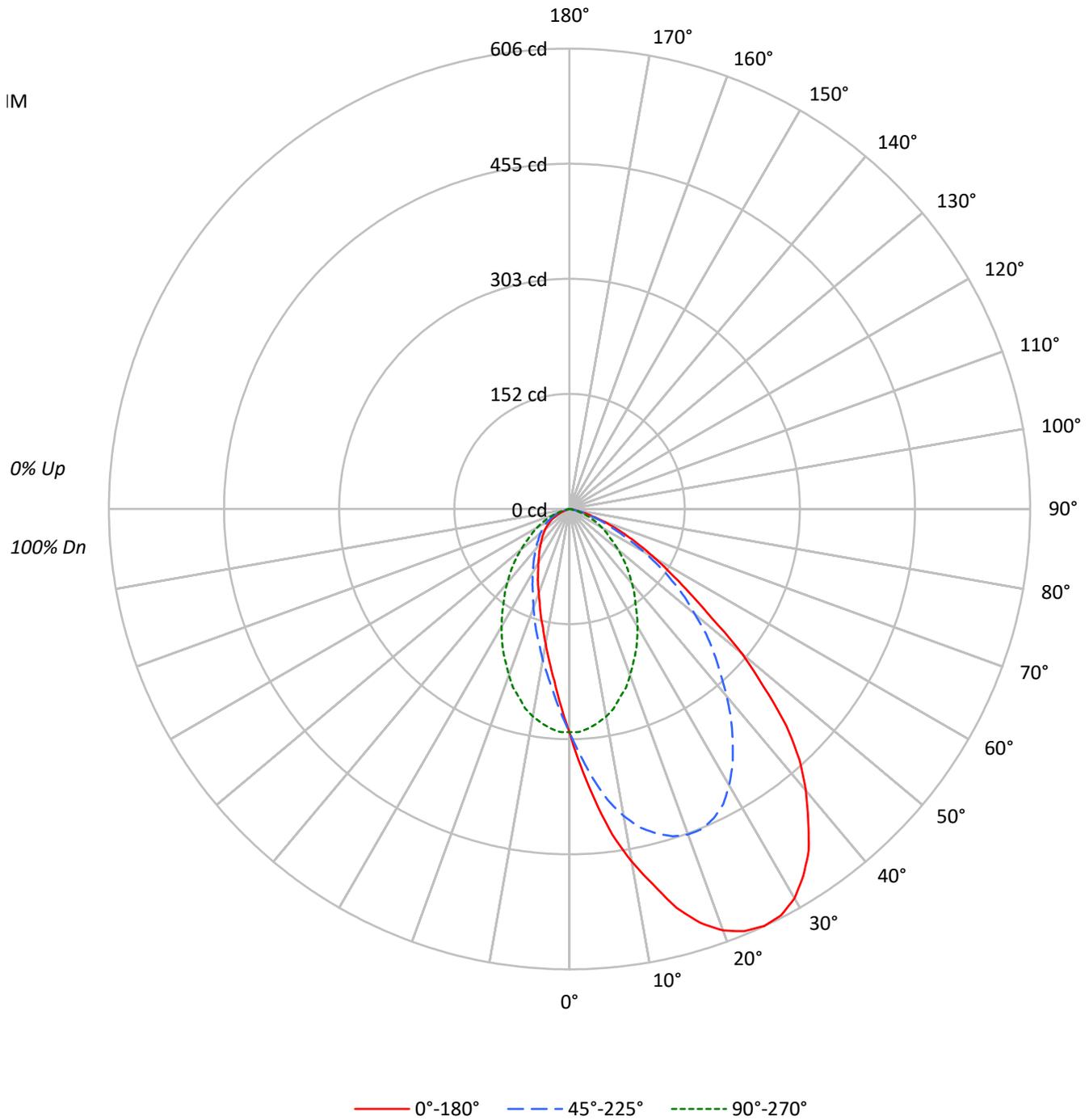
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 31.1 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): 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

TEST NUMBER: P1311726
CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1311726

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	50599	50599	50599	50599	50599
5°	66611	61580	50066	41924	39296
10°	82403	71736	48477	35378	31513
15°	96869	78826	45716	29901	25942
20°	108206	83574	42667	25402	21590
25°	115080	85322	39241	21853	18699
30°	117689	83504	35557	19012	16267
35°	115382	78674	31768	17198	14570
40°	108746	72280	28665	15580	13085
45°	98228	65493	25647	14175	12154
50°	79468	57552	22292	13370	11146
55°	57830	49513	19127	12491	9999
60°	44881	39129	17188	11470	9059
65°	33905	28241	14100	10147	6765
70°	23717	20243	10474	7654	4179
75°	13841	11978	5523	3660	932
80°	2777	4166	1389	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 98228 cd/sqm



TEST NUMBER: P1311726

CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	4.4
10°-20°	85.7	13.0
20°-30°	129.1	19.6
30°-40°	143.5	21.8
40°-50°	127.2	19.3
50°-60°	86.3	13.1
60°-70°	45.3	6.9
70°-80°	12.9	2.0
80°-90°	0.4	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°	243.5	36.9
0°-40°	387.0	58.7
0°-60°	600.5	91.1
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	294	294	294	294	294	
5°	385	356	290	242	227	39
15°	543	442	256	168	146	154
25°	606	449	206	115	98	278
35°	549	374	151	82	69	340
45°	403	269	105	58	50	305
55°	193	165	64	42	33	178
65°	83	69	35	25	17	84
75°	21	18	8	6	1	23
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1311726
 CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8
2.5°	338.2	336.8	335.4	335.4	334.0	332.6	329.8	329.8	327.1	324.3	321.5
5°	385.3	385.3	385.3	381.1	381.1	375.6	372.8	367.3	361.7	356.2	349.2
7.5°	432.4	432.4	428.2	426.8	422.7	417.1	413.0	404.7	395.0	386.7	375.6
10°	471.2	471.2	467.0	464.3	456.0	450.4	442.1	432.4	422.7	410.2	396.4
12.5°	505.8	507.2	501.7	496.1	487.8	479.5	468.4	456.0	443.5	429.6	411.6
15°	543.3	541.9	534.9	528.0	518.3	505.8	492.0	475.4	458.7	442.1	422.7
17.5°	571.0	569.6	562.7	554.3	541.9	526.6	511.4	492.0	472.6	451.8	428.2
20°	590.4	589.0	582.1	571.0	558.5	541.9	523.9	501.7	480.9	456.0	429.6
22.5°	601.5	600.1	591.8	582.1	566.8	548.8	529.4	505.8	482.3	456.0	426.8
25°	605.6	602.9	594.5	583.5	568.2	548.8	526.6	501.7	476.7	449.0	418.5
27.5°	602.9	600.1	590.4	577.9	561.3	539.1	516.9	492.0	465.7	437.9	406.1
30°	591.8	587.6	579.3	566.8	548.8	526.6	503.1	476.7	449.0	419.9	388.0
32.5°	572.4	569.6	561.3	547.4	529.4	507.2	483.7	456.0	428.2	399.1	367.3
35°	548.8	543.3	534.9	522.5	504.5	482.3	458.7	429.6	403.3	374.2	343.7
37.5°	515.5	514.2	504.5	494.8	476.7	453.2	431.0	403.3	377.0	349.2	318.7
40°	483.7	480.9	472.6	461.5	443.5	422.7	399.1	374.2	347.9	321.5	293.8
42.5°	447.6	443.5	437.9	426.8	410.2	389.4	367.3	342.3	318.7	293.8	268.9
45°	403.3	401.9	395.0	389.4	374.2	356.2	334.0	311.8	288.3	268.9	249.5
47.5°	346.5	345.1	343.7	339.5	331.2	318.7	302.1	281.3	263.3	243.9	217.6
50°	296.6	295.2	292.4	291.0	284.1	277.2	264.7	252.2	237.0	214.8	194.0
52.5°	235.6	237.0	241.1	242.5	241.1	235.6	230.1	225.9	205.1	191.2	171.8
55°	192.6	192.6	191.2	192.6	194.0	196.8	196.8	191.2	177.4	164.9	148.3
57.5°	158.0	158.0	158.0	158.0	158.0	159.4	159.4	158.0	151.1	138.6	123.3
60°	130.3	128.9	128.9	130.3	128.9	128.9	130.3	130.3	123.3	113.6	99.8
62.5°	105.3	105.3	105.3	103.9	103.9	105.3	105.3	103.9	98.4	88.7	79.0
65°	83.2	83.2	83.2	83.2	83.2	84.5	83.2	81.8	76.2	69.3	62.4
67.5°	63.7	63.7	65.1	63.7	65.1	65.1	65.1	62.4	58.2	52.7	48.5
70°	47.1	47.1	47.1	48.5	49.9	49.9	48.5	45.7	43.0	40.2	36.0
72.5°	31.9	33.3	33.3	33.3	34.6	34.6	33.3	31.9	30.5	27.7	26.3
75°	20.8	19.4	20.8	20.8	22.2	22.2	20.8	20.8	19.4	18.0	16.6
77.5°	9.7	9.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1	9.7	9.7
80°	2.8	2.8	2.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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



TEST NUMBER: P1311726
 CATALOG NUMBER: LDSQA3D17R709040DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8
2.5°	318.7	314.6	309.0	293.8	279.9	267.5	260.5	259.2
5°	340.9	335.4	321.5	289.6	263.3	242.5	230.1	227.3
7.5°	364.5	353.4	334.0	284.1	246.7	220.4	206.5	202.3
10°	382.5	368.6	342.3	277.2	230.1	202.3	185.7	180.2
12.5°	395.0	378.3	349.2	268.9	216.2	182.9	166.3	160.8
15°	401.9	383.9	350.6	256.4	199.6	167.7	149.7	145.5
17.5°	404.7	383.9	347.9	246.7	184.3	152.4	135.8	130.3
20°	403.3	378.3	340.9	232.8	170.5	138.6	122.0	117.8
22.5°	397.7	370.0	329.8	219.0	156.6	124.7	110.9	108.1
25°	389.4	358.9	317.4	206.5	144.1	115.0	101.2	98.4
27.5°	375.6	345.1	300.7	192.6	133.0	105.3	92.9	88.7
30°	357.6	328.5	284.1	178.8	122.0	95.6	84.5	81.8
32.5°	338.2	309.0	267.5	164.9	112.3	88.7	77.6	74.8
35°	316.0	288.3	246.7	151.1	102.6	81.8	70.7	69.3
37.5°	293.8	266.1	228.7	140.0	94.2	74.8	65.1	63.7
40°	268.9	246.7	219.0	127.5	87.3	69.3	61.0	58.2
42.5°	253.6	223.1	188.5	116.4	80.4	63.7	55.4	54.0
45°	220.4	198.2	170.5	105.3	73.5	58.2	51.3	49.9
47.5°	198.2	178.8	152.4	94.2	67.9	54.0	47.1	45.7
50°	176.0	158.0	133.0	83.2	62.4	49.9	43.0	41.6
52.5°	153.8	135.8	113.6	73.5	55.4	45.7	38.8	37.4
55°	131.7	115.0	94.2	63.7	49.9	41.6	36.0	33.3
57.5°	108.1	94.2	80.4	56.8	44.3	37.4	31.9	29.1
60°	87.3	79.0	67.9	49.9	38.8	33.3	27.7	26.3
62.5°	70.7	63.7	56.8	43.0	34.6	29.1	24.9	20.8
65°	56.8	52.7	47.1	34.6	29.1	24.9	20.8	16.6
67.5°	44.3	41.6	37.4	29.1	23.6	20.8	15.2	12.5
70°	34.6	31.9	29.1	20.8	18.0	15.2	11.1	8.3
72.5°	24.9	22.2	20.8	15.2	12.5	11.1	6.9	4.2
75°	15.2	15.2	12.5	8.3	6.9	5.5	2.8	1.4
77.5°	8.3	8.3	6.9	4.2	4.2	1.4	0.0	0.0
80°	4.2	2.8	2.8	1.4	1.4	0.0	0.0	0.0
82.5°	1.4	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)