

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: P1309490

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309490
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: LDSQA3D17R709030DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

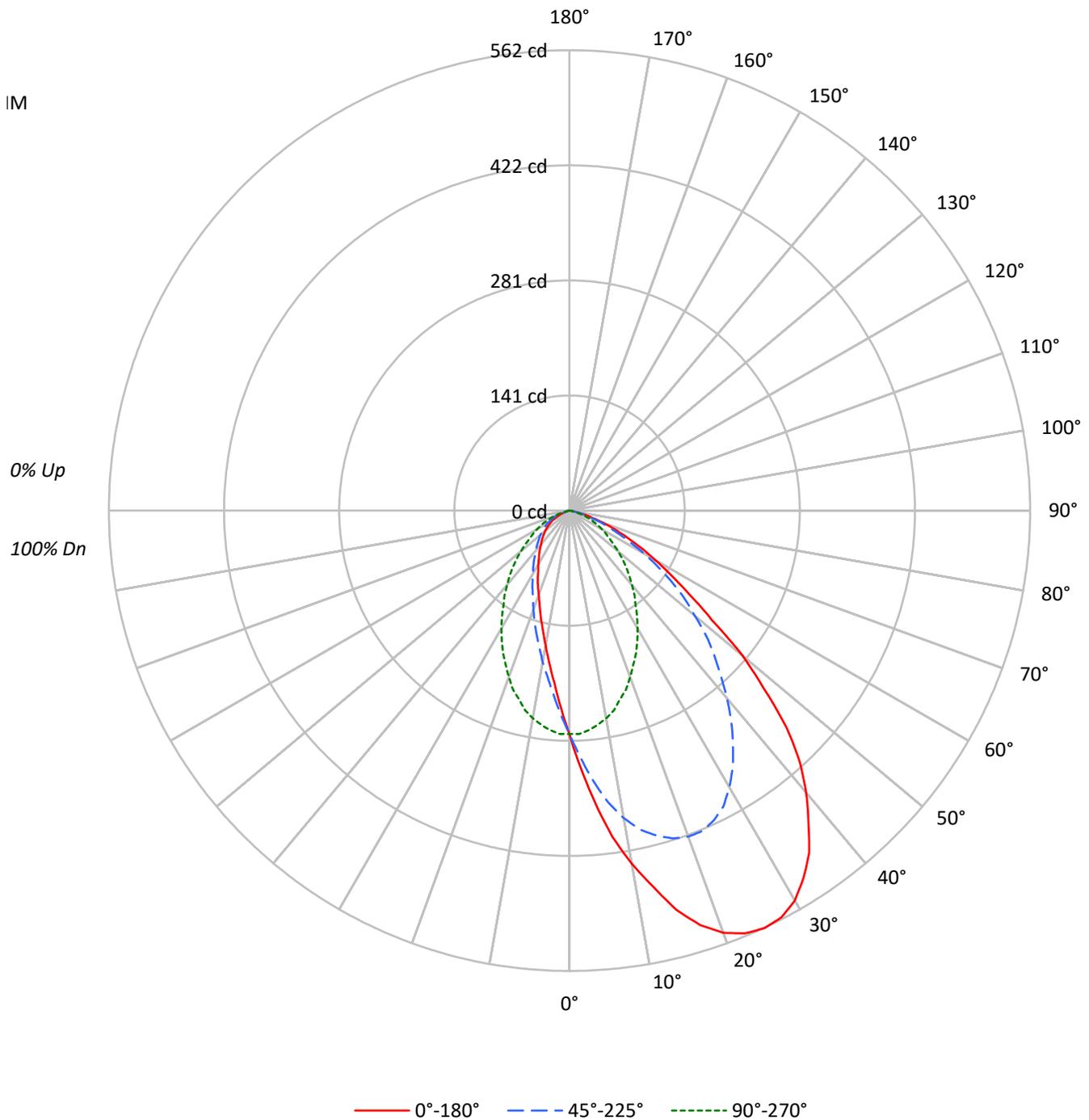
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 612.0 lumens
Efficiency: N/A
Efficacy: 28.9 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: P1309490
CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCLSWWR 1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46982	46982	46982	46982	46982
5°	61857	57189	46505	38933	36495
10°	76527	66629	45014	32860	29257
15°	89951	73209	42453	27761	24088
20°	100490	77599	39624	23588	20050
25°	106871	79241	36447	20295	17368
30°	109297	77558	33012	17659	15094
35°	107162	73060	29497	15958	13540
40°	100989	67131	26619	14478	12163
45°	91213	60817	23820	13177	11277
50°	73788	53452	20684	12405	10342
55°	53717	46000	17775	11590	9278
60°	41678	36339	15948	10643	8439
65°	31460	26244	13122	9454	6276
70°	22055	18782	9718	7150	3877
75°	12843	11112	5124	3394	865
80°	2579	3868	1289	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 91213 cd/sqm



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CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCLSWWR 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	4.4
10°-20°	79.6	13.0
20°-30°	119.9	19.6
30°-40°	133.3	21.8
40°-50°	118.1	19.3
50°-60°	80.2	13.1
60°-70°	42.1	6.9
70°-80°	11.9	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°	226.1	36.9
0°-40°	359.4	58.7
0°-60°	557.7	91.1
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	358	331	269	225	211	37
15°	504	411	238	156	135	143
25°	562	417	192	107	91	258
35°	510	348	140	76	64	316
45°	374	250	98	54	46	284
55°	179	153	59	39	31	165
65°	77	64	32	23	15	78
75°	19	17	8	5	1	21
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°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	314.0	312.7	311.5	311.5	310.2	308.9	306.3	306.3	303.7	301.2	298.6
5°	357.8	357.8	357.8	353.9	353.9	348.8	346.2	341.1	335.9	330.8	324.3
7.5°	401.6	401.6	397.7	396.4	392.5	387.4	383.5	375.8	366.8	359.1	348.8
10°	437.6	437.6	433.7	431.2	423.4	418.3	410.6	401.6	392.5	381.0	368.1
12.5°	469.8	471.1	465.9	460.8	453.0	445.3	435.0	423.4	411.8	399.0	382.2
15°	504.5	503.2	496.8	490.4	481.3	469.8	456.9	441.5	426.0	410.6	392.5
17.5°	530.3	529.0	522.5	514.8	503.2	489.1	474.9	456.9	438.9	419.6	397.7
20°	548.3	547.0	540.6	530.3	518.7	503.2	486.5	465.9	446.6	423.4	399.0
22.5°	558.6	557.3	549.6	540.6	526.4	509.7	491.6	469.8	447.9	423.4	396.4
25°	562.4	559.9	552.1	541.8	527.7	509.7	489.1	465.9	442.7	417.0	388.7
27.5°	559.9	557.3	548.3	536.7	521.2	500.7	480.1	456.9	432.4	406.7	377.1
30°	549.6	545.7	538.0	526.4	509.7	489.1	467.2	442.7	417.0	390.0	360.4
32.5°	531.5	529.0	521.2	508.4	491.6	471.1	449.2	423.4	397.7	370.7	341.1
35°	509.7	504.5	496.8	485.2	468.5	447.9	426.0	399.0	374.5	347.5	319.2
37.5°	478.8	477.5	468.5	459.5	442.7	420.9	400.3	374.5	350.1	324.3	296.0
40°	449.2	446.6	438.9	428.6	411.8	392.5	370.7	347.5	323.0	298.6	272.8
42.5°	415.7	411.8	406.7	396.4	381.0	361.7	341.1	317.9	296.0	272.8	249.7
45°	374.5	373.2	366.8	361.7	347.5	330.8	310.2	289.6	267.7	249.7	231.7
47.5°	321.8	320.5	319.2	315.3	307.6	296.0	280.6	261.3	244.5	226.5	202.1
50°	275.4	274.1	271.6	270.3	263.8	257.4	245.8	234.2	220.1	199.5	180.2
52.5°	218.8	220.1	223.9	225.2	223.9	218.8	213.6	209.8	190.5	177.6	159.6
55°	178.9	178.9	177.6	178.9	180.2	182.8	182.8	177.6	164.7	153.2	137.7
57.5°	146.7	146.7	146.7	146.7	146.7	148.0	148.0	146.7	140.3	128.7	114.5
60°	121.0	119.7	119.7	121.0	119.7	119.7	121.0	121.0	114.5	105.5	92.7
62.5°	97.8	97.8	97.8	96.5	96.5	97.8	97.8	96.5	91.4	82.4	73.4
65°	77.2	77.2	77.2	77.2	77.2	78.5	77.2	75.9	70.8	64.4	57.9
67.5°	59.2	59.2	60.5	59.2	60.5	60.5	60.5	57.9	54.1	48.9	45.0
70°	43.8	43.8	43.8	45.0	46.3	46.3	45.0	42.5	39.9	37.3	33.5
72.5°	29.6	30.9	30.9	30.9	32.2	32.2	30.9	29.6	28.3	25.7	24.5
75°	19.3	18.0	19.3	19.3	20.6	20.6	19.3	19.3	18.0	16.7	15.4
77.5°	9.0	9.0	10.3	10.3	10.3	10.3	10.3	10.3	10.3	9.0	9.0
80°	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P1309490

CATALOG NUMBER: LDSQA3D17R709030DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	272.8	272.8	272.8	272.8	272.8	272.8	272.8	272.8
2.5°	296.0	292.2	287.0	272.8	260.0	248.4	242.0	240.7
5°	316.6	311.5	298.6	269.0	244.5	225.2	213.6	211.1
7.5°	338.5	328.2	310.2	263.8	229.1	204.6	191.8	187.9
10°	355.2	342.3	317.9	257.4	213.6	187.9	172.5	167.3
12.5°	366.8	351.4	324.3	249.7	200.8	169.9	154.4	149.3
15°	373.2	356.5	325.6	238.1	185.3	155.7	139.0	135.1
17.5°	375.8	356.5	323.0	229.1	171.2	141.6	126.1	121.0
20°	374.5	351.4	316.6	216.2	158.3	128.7	113.3	109.4
22.5°	369.4	343.6	306.3	203.4	145.4	115.8	103.0	100.4
25°	361.7	333.3	294.7	191.8	133.9	106.8	94.0	91.4
27.5°	348.8	320.5	279.3	178.9	123.6	97.8	86.2	82.4
30°	332.1	305.0	263.8	166.0	113.3	88.8	78.5	75.9
32.5°	314.0	287.0	248.4	153.2	104.2	82.4	72.1	69.5
35°	293.4	267.7	229.1	140.3	95.2	75.9	65.6	64.4
37.5°	272.8	247.1	212.4	130.0	87.5	69.5	60.5	59.2
40°	249.7	229.1	203.4	118.4	81.1	64.4	56.6	54.1
42.5°	235.5	207.2	175.0	108.1	74.6	59.2	51.5	50.2
45°	204.6	184.0	158.3	97.8	68.2	54.1	47.6	46.3
47.5°	184.0	166.0	141.6	87.5	63.1	50.2	43.8	42.5
50°	163.5	146.7	123.6	77.2	57.9	46.3	39.9	38.6
52.5°	142.9	126.1	105.5	68.2	51.5	42.5	36.0	34.7
55°	122.3	106.8	87.5	59.2	46.3	38.6	33.5	30.9
57.5°	100.4	87.5	74.6	52.8	41.2	34.7	29.6	27.0
60°	81.1	73.4	63.1	46.3	36.0	30.9	25.7	24.5
62.5°	65.6	59.2	52.8	39.9	32.2	27.0	23.2	19.3
65°	52.8	48.9	43.8	32.2	27.0	23.2	19.3	15.4
67.5°	41.2	38.6	34.7	27.0	21.9	19.3	14.2	11.6
70°	32.2	29.6	27.0	19.3	16.7	14.2	10.3	7.7
72.5°	23.2	20.6	19.3	14.2	11.6	10.3	6.4	3.9
75°	14.2	14.2	11.6	7.7	6.4	5.1	2.6	1.3
77.5°	7.7	7.7	6.4	3.9	3.9	1.3	0.0	0.0
80°	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
82.5°	1.3	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)