

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: P1309489

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

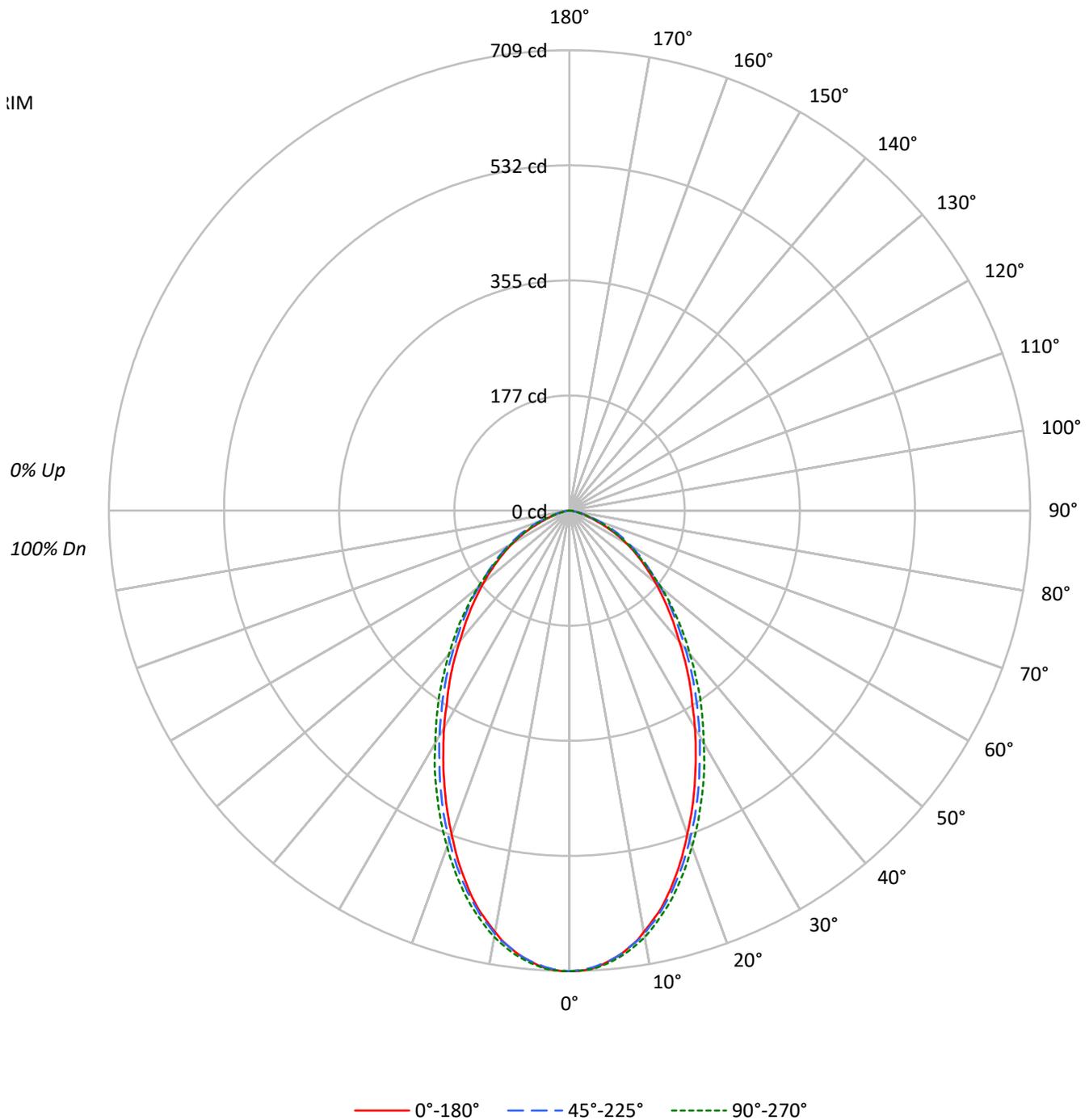
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1065.0 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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	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	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	122158	122158	122158
5°	120394	120394	120843
10°	115263	115700	116610
15°	107407	108334	109707
20°	97191	99079	100966
25°	86842	89275	91726
30°	76802	79606	82171
35°	67657	70642	73607
40°	59038	62230	64816
45°	52365	55191	57066
50°	46218	48629	49326
55°	40595	42907	41736
60°	35030	37682	35926
65°	27792	32520	29382
70°	20091	25278	22055
75°	15438	16303	13708
80°	10215	10215	7637
85°	5138	5138	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 57066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	6.1
10°-20°	169.8	15.9
20°-30°	215.7	20.3
30°-40°	209.8	19.7
40°-50°	174.5	16.4
50°-60°	125.8	11.8
60°-70°	74.0	7.0
70°-80°	26.2	2.5
80°-90°	3.8	0.4
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°	450.8	42.3
0°-40°	660.6	62.0
0°-60°	960.9	90.2
0°-90°	1065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	696	695	696	696	699	65
15°	602	602	608	611	615	168
25°	457	462	470	479	483	210
35°	322	326	336	345	350	201
45°	215	219	227	232	234	166
55°	135	139	143	142	139	121
65°	68	73	80	76	72	68
75°	23	24	24	22	21	25
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.3	709.3	709.3	709.3	709.3
1°	709.3	708.0	708.0	708.0	709.3
2°	708.0	706.7	706.7	706.7	708.0
3°	705.4	704.1	704.1	704.1	706.7
4°	701.6	699.0	700.3	700.3	702.8
5°	696.4	695.1	696.4	696.4	699.0
6°	691.3	690.0	691.3	691.3	693.8
7°	684.8	683.5	684.8	686.1	688.7
8°	677.1	675.8	677.1	678.4	682.2
9°	669.4	668.1	670.7	671.9	674.5
10°	659.1	659.1	661.6	662.9	666.8
11°	648.8	648.8	651.4	653.9	657.8
12°	638.5	638.5	642.3	644.9	647.5
13°	628.2	626.9	630.8	633.3	637.2
14°	615.3	614.0	619.2	623.0	626.9
15°	602.4	602.4	607.6	611.4	615.3
17.5°	567.7	569.0	575.4	580.6	584.4
20°	530.3	534.2	540.6	547.1	550.9
22.5°	494.3	496.9	505.9	513.6	517.5
25°	457.0	462.1	469.8	478.9	482.7
27.5°	420.9	426.1	433.8	442.8	449.3
30°	386.2	390.0	400.3	409.3	413.2
32.5°	351.4	356.6	366.9	375.9	381.0
35°	321.8	325.7	336.0	345.0	350.1
37.5°	292.2	296.1	306.4	314.1	318.0
40°	262.6	269.0	276.8	284.5	288.3
42.5°	238.1	243.3	251.0	257.5	261.3
45°	215.0	218.8	226.6	231.7	234.3
47.5°	193.1	197.0	204.7	207.2	208.5
50°	172.5	176.4	181.5	182.8	184.1
52.5°	153.2	155.8	160.9	160.9	159.6
55°	135.2	139.0	142.9	141.6	139.0
57.5°	118.4	119.7	126.2	123.6	121.0
60°	101.7	104.3	109.4	106.8	104.3
62.5°	85.0	87.5	94.0	91.4	87.5
65°	68.2	73.4	79.8	75.9	72.1
67.5°	51.5	57.9	64.4	60.5	57.9
70°	39.9	45.1	50.2	46.3	43.8
72.5°	30.9	33.5	36.0	33.5	30.9
75°	23.2	24.5	24.5	21.9	20.6
77.5°	16.7	18.0	15.4	12.9	12.9
80°	10.3	11.6	10.3	7.7	7.7
82.5°	5.1	6.4	5.1	5.1	5.1
85°	2.6	2.6	2.6	2.6	2.6
87.5°	1.3	1.3	1.3	1.3	1.3



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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)