

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: P1309004

Luminaire Tested: LDSQA3D05R709030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

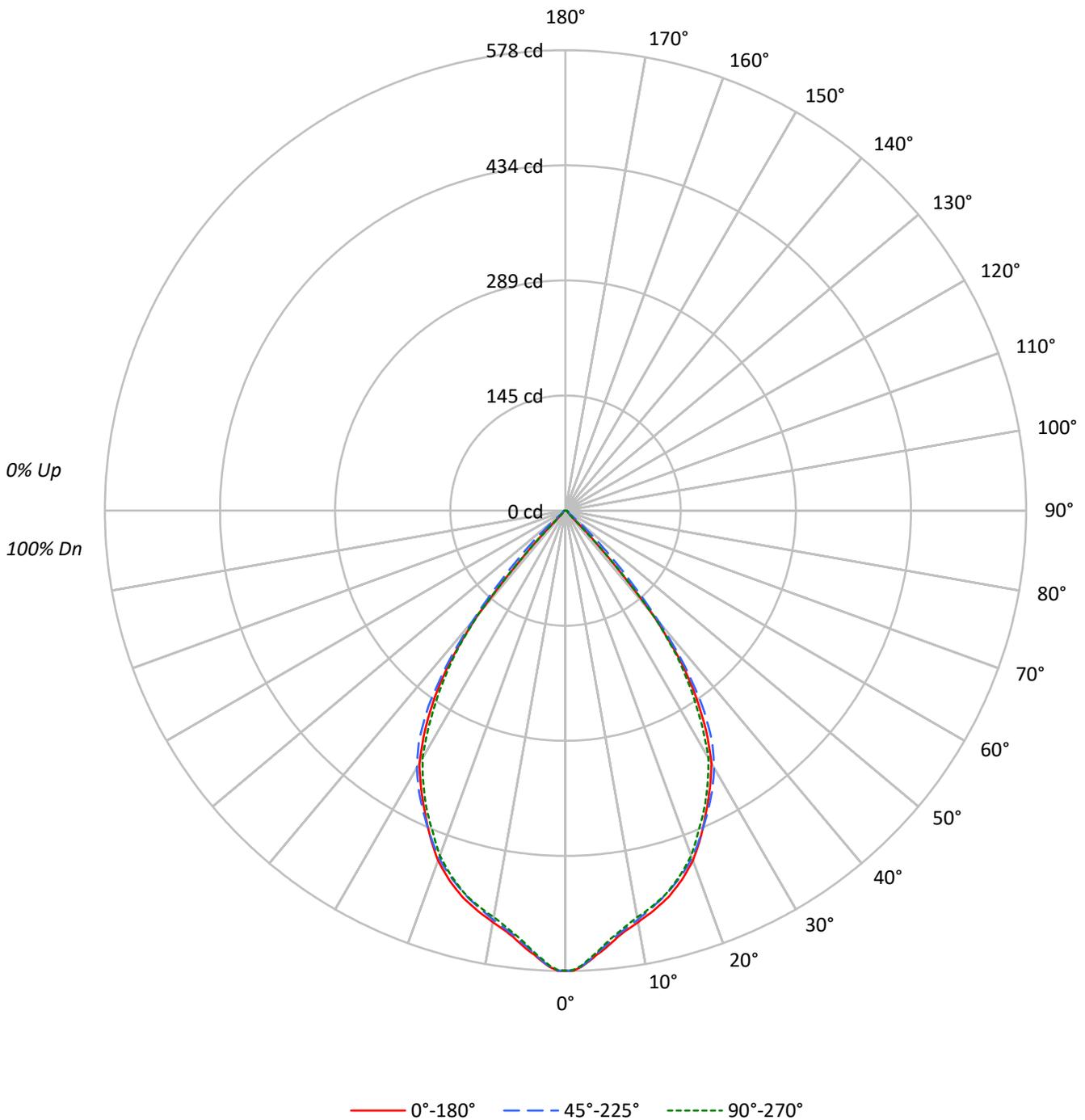
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	99493	99493	99493
5°	95637	95119	94773
10°	91759	91235	90605
15°	89434	88454	88364
20°	85700	85058	84508
25°	79336	79906	78386
30°	72884	74177	71373
35°	60109	62947	57775
40°	38264	41187	38264
45°	2679	17804	2923
50°	1206	3617	1206
55°	1351	1351	1351
60°	1378	1378	1378
65°	1223	1426	1223
70°	1259	1511	1259
75°	1331	1331	1331
80°	1488	1488	1488
85°	988	1976	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	8.4
10°-20°	139.6	22.7
20°-30°	191.8	31.1
30°-40°	175.7	28.5
40°-50°	46.6	7.6
50°-60°	4.2	0.7
60°-70°	3.4	0.6
70°-80°	2.3	0.4
80°-90°	0.9	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°	383.0	62.2
0°-40°	558.7	90.7
0°-60°	609.5	98.9
0°-90°	616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	578	578	578	578	578	
5°	553	551	550	549	548	52
15°	502	497	496	496	496	141
25°	418	419	420	416	412	192
35°	286	290	299	286	275	173
45°	11	38	73	38	12	33
55°	4	4	4	4	4	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	577.7	577.7	577.7	577.7	577.7
1°	577.7	576.7	577.7	577.7	576.7
2°	573.2	572.2	572.7	572.2	571.7
3°	566.7	565.2	565.7	564.7	563.7
4°	559.2	557.7	557.7	557.2	556.2
5°	553.2	550.7	550.2	549.2	548.2
6°	546.2	543.7	543.2	541.7	540.7
7°	539.2	537.2	536.7	534.7	534.7
8°	533.7	531.2	531.2	528.7	528.7
9°	529.2	526.2	526.2	524.2	523.2
10°	524.7	521.7	521.7	519.1	518.1
11°	520.1	517.6	516.6	515.1	514.6
12°	516.1	512.6	511.6	511.1	510.1
13°	511.1	507.6	506.6	506.1	505.6
14°	506.6	502.1	501.6	500.6	501.1
15°	501.6	497.1	496.1	496.1	495.6
17.5°	486.1	483.1	481.6	480.6	479.6
20°	467.6	465.1	464.1	462.1	461.1
22.5°	443.6	443.1	442.6	440.0	436.0
25°	417.5	419.0	420.5	415.5	412.5
27.5°	392.5	396.5	398.0	393.0	386.5
30°	366.5	370.0	373.0	366.0	358.9
32.5°	328.9	337.4	341.9	333.9	317.9
35°	285.9	290.4	299.4	285.9	274.8
37.5°	235.8	238.3	245.3	236.3	228.8
40°	170.2	177.7	183.2	177.7	170.2
42.5°	76.6	107.1	121.2	113.1	80.1
45°	11.0	37.5	73.1	38.0	12.0
47.5°	4.5	6.0	38.0	5.5	4.5
50°	4.5	4.5	13.5	4.5	4.5
52.5°	4.5	4.5	5.0	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.0	4.0	4.5	4.0	4.0
60°	4.0	4.0	4.0	4.0	4.0
62.5°	3.5	4.0	4.0	4.0	3.5
65°	3.0	3.5	3.5	3.5	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	2.5	3.0	3.0	3.0	2.5
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.5	2.0	2.0	2.0	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	1.0	1.0	1.0	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



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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)