

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: P1316351

Luminaire Tested: LDSQA3D05R709740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316351
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: LDSQA3D05R709740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

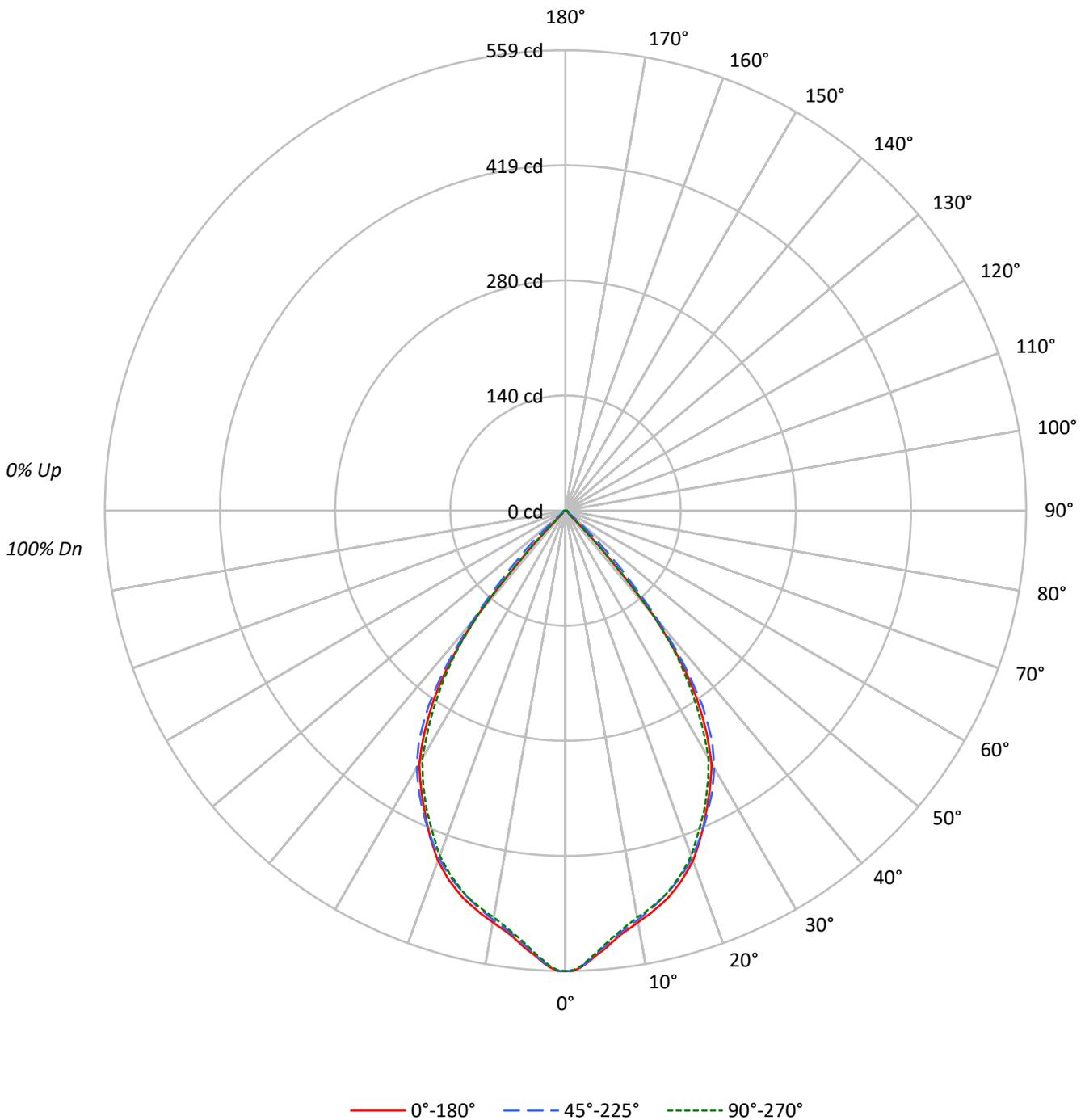
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 596.1 lumens
Efficiency: N/A
Efficacy: 82.8 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				
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	75	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	51	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°	96272	96272	96272
5°	92526	92024	91696
10°	88769	88262	87667
15°	86528	85583	85494
20°	82914	82291	81759
25°	76771	77322	75840
30°	70518	71771	69066
35°	58154	60908	55904
40°	37028	39861	37028
45°	2606	17220	2825
50°	1179	3510	1179
55°	1321	1321	1321
60°	1343	1343	1343
65°	1182	1386	1182
70°	1209	1460	1209
75°	1264	1264	1264
80°	1488	1488	1488
85°	988	1976	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17220 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	8.4
10°-20°	135.0	22.7
20°-30°	185.6	31.1
30°-40°	170.0	28.5
40°-50°	45.1	7.6
50°-60°	4.1	0.7
60°-70°	3.3	0.6
70°-80°	2.2	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°	370.5	62.2
0°-40°	540.6	90.7
0°-60°	589.7	98.9
0°-90°	596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	535	533	532	531	530	50
15°	485	481	480	480	480	136
25°	404	405	407	402	399	186
35°	277	281	290	277	266	168
45°	11	36	71	37	12	32
55°	4	4	4	4	4	4
65°	3	3	3	3	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°	559.0	559.0	559.0	559.0	559.0
1°	559.0	558.0	559.0	559.0	558.0
2°	554.6	553.6	554.1	553.6	553.2
3°	548.3	546.9	547.3	546.4	545.4
4°	541.0	539.6	539.6	539.1	538.1
5°	535.2	532.8	532.3	531.4	530.4
6°	528.4	526.0	525.5	524.1	523.1
7°	521.7	519.7	519.2	517.3	517.3
8°	516.3	513.9	513.9	511.5	511.5
9°	512.0	509.1	509.1	507.1	506.2
10°	507.6	504.7	504.7	502.3	501.3
11°	503.3	500.8	499.9	498.4	497.9
12°	499.4	496.0	495.0	494.5	493.6
13°	494.5	491.2	490.2	489.7	489.2
14°	490.2	485.8	485.3	484.4	484.9
15°	485.3	481.0	480.0	480.0	479.5
17.5°	470.3	467.4	466.0	465.0	464.0
20°	452.4	450.0	449.0	447.1	446.1
22.5°	429.2	428.7	428.2	425.8	421.9
25°	404.0	405.4	406.9	402.0	399.1
27.5°	379.7	383.6	385.1	380.2	373.9
30°	354.6	357.9	360.9	354.1	347.3
32.5°	318.2	326.5	330.8	323.1	307.6
35°	276.6	280.9	289.7	276.6	265.9
37.5°	228.1	230.6	237.3	228.6	221.4
40°	164.7	172.0	177.3	172.0	164.7
42.5°	74.1	103.7	117.2	109.5	77.5
45°	10.7	36.3	70.7	36.8	11.6
47.5°	4.4	5.8	36.8	5.3	4.4
50°	4.4	4.4	13.1	4.4	4.4
52.5°	4.4	4.4	4.8	4.4	4.4
55°	4.4	4.4	4.4	4.4	4.4
57.5°	3.9	3.9	4.4	3.9	3.9
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.4	3.9	3.9	3.9	3.4
65°	2.9	3.4	3.4	3.4	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.4	2.9	2.9	2.9	2.4
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.5	1.9	1.9	1.9	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)