

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: P1318147

Luminaire Tested: LDSQA3D05R709830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318147
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: LDSQA3D05R709830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

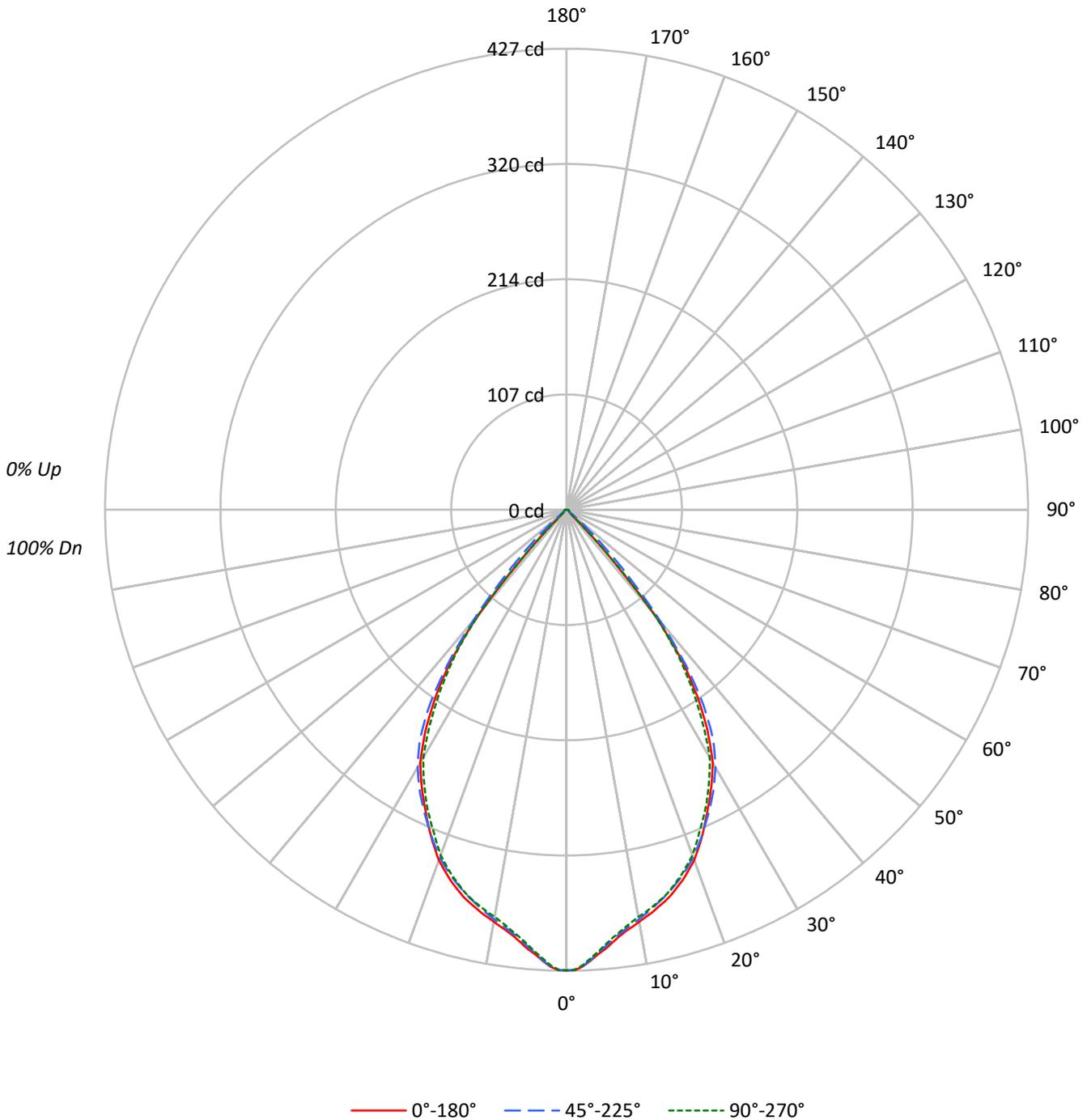
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 63.2 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	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°	73487	73487	73487
5°	70639	70259	69999
10°	67766	67381	66926
15°	66059	65346	65275
20°	63303	62827	62424
25°	58604	59022	57901
30°	53833	54787	52719
35°	44383	46485	42680
40°	28260	30418	28260
45°	1973	13152	2168
50°	884	2679	884
55°	991	991	991
60°	1033	1033	1033
65°	897	1060	897
70°	906	1108	906
75°	998	998	998
80°	1091	1091	1091
85°	790	1383	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	8.4
10°-20°	103.1	22.7
20°-30°	141.7	31.1
30°-40°	129.8	28.5
40°-50°	34.4	7.6
50°-60°	3.1	0.7
60°-70°	2.5	0.6
70°-80°	1.7	0.4
80°-90°	0.6	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°	282.9	62.2
0°-40°	412.7	90.7
0°-60°	450.2	98.9
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	409	407	406	406	405	38
15°	370	367	366	366	366	104
25°	308	310	311	307	305	142
35°	211	214	221	211	203	128
45°	8	28	54	28	9	24
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
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°	426.7	426.7	426.7	426.7	426.7
1°	426.7	426.0	426.7	426.7	426.0
2°	423.4	422.7	423.0	422.7	422.3
3°	418.6	417.5	417.9	417.1	416.4
4°	413.0	411.9	411.9	411.6	410.8
5°	408.6	406.8	406.4	405.6	404.9
6°	403.4	401.6	401.2	400.1	399.4
7°	398.3	396.8	396.4	394.9	394.9
8°	394.2	392.3	392.3	390.5	390.5
9°	390.9	388.6	388.6	387.2	386.4
10°	387.5	385.3	385.3	383.5	382.7
11°	384.2	382.4	381.6	380.5	380.1
12°	381.2	378.7	377.9	377.5	376.8
13°	377.5	375.0	374.2	373.8	373.5
14°	374.2	370.9	370.5	369.8	370.1
15°	370.5	367.2	366.5	366.5	366.1
17.5°	359.1	356.8	355.7	355.0	354.2
20°	345.4	343.5	342.8	341.3	340.6
22.5°	327.6	327.3	326.9	325.0	322.1
25°	308.4	309.5	310.6	306.9	304.7
27.5°	289.9	292.9	294.0	290.3	285.5
30°	270.7	273.3	275.5	270.3	265.1
32.5°	242.9	249.2	252.6	246.6	234.8
35°	211.1	214.5	221.1	211.1	203.0
37.5°	174.2	176.0	181.2	174.5	169.0
40°	125.7	131.3	135.3	131.3	125.7
42.5°	56.6	79.1	89.5	83.6	59.2
45°	8.1	27.7	54.0	28.1	8.9
47.5°	3.3	4.4	28.1	4.1	3.3
50°	3.3	3.3	10.0	3.3	3.3
52.5°	3.3	3.3	3.7	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.0	3.0	3.3	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	2.6	3.0	3.0	3.0	2.6
65°	2.2	2.6	2.6	2.6	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.8	2.2	2.2	2.2	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.1	1.5	1.5	1.5	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.7	0.7	0.7	0.4
87.5°	0.4	0.4	0.4	0.4	0.4



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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)