

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: P1319023

Luminaire Tested: LDSQA3D05R709835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319023
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: LDSQA3D05R709835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

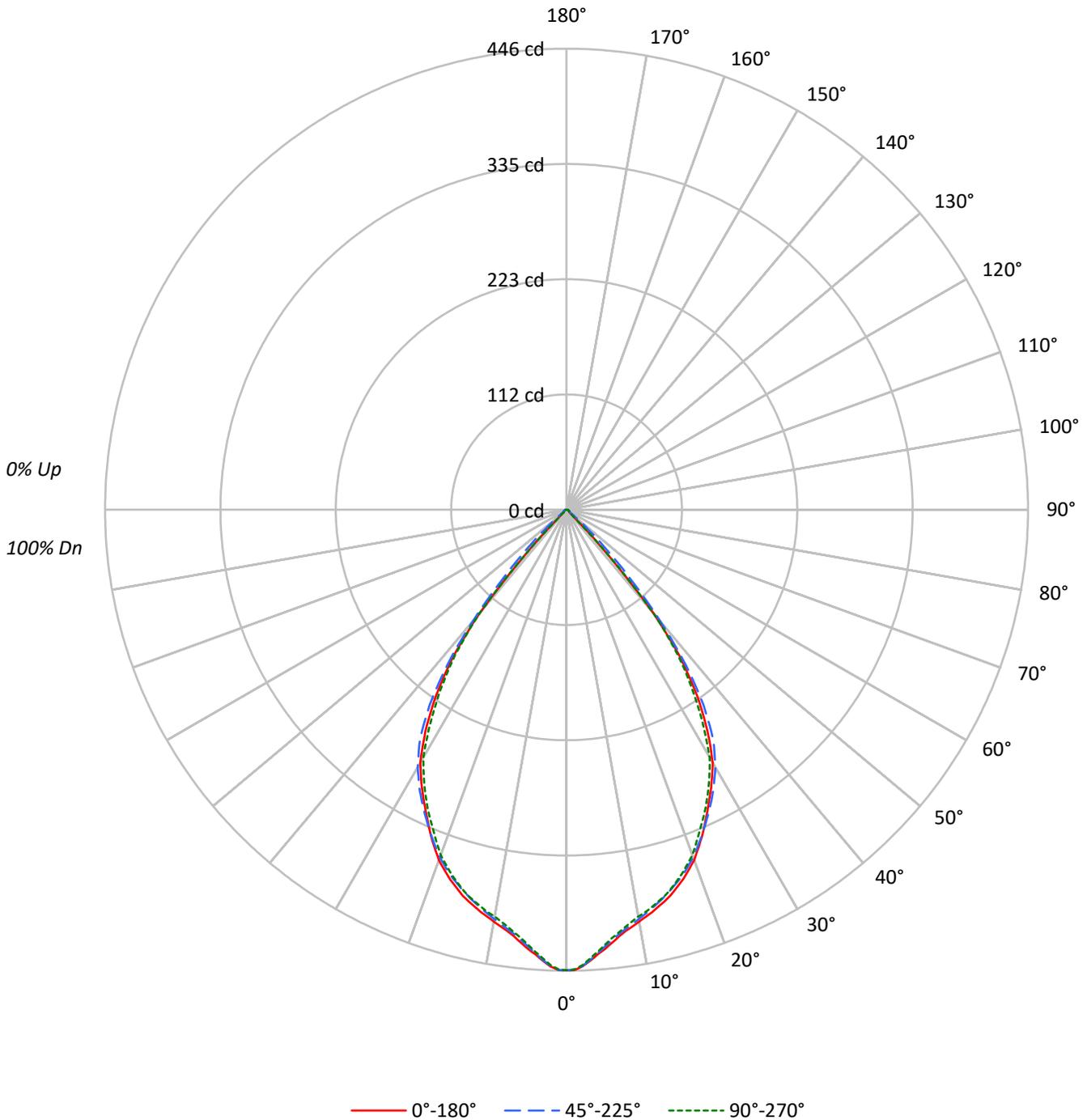
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 66.0 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 (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	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	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°	76725	76725	76725
5°	73751	73353	73077
10°	70756	70337	69864
15°	68966	68217	68145
20°	66089	65594	65154
25°	61189	61626	60447
30°	56199	57194	55046
35°	46338	48525	44551
40°	29519	31767	29519
45°	2070	13737	2265
50°	938	2786	938
55°	1051	1051	1051
60°	1068	1068	1068
65°	937	1100	937
70°	957	1158	957
75°	998	998	998
80°	1190	1190	1190
85°	790	1581	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13737 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	8.4
10°-20°	107.6	22.7
20°-30°	147.9	31.1
30°-40°	135.5	28.5
40°-50°	36.0	7.6
50°-60°	3.2	0.7
60°-70°	2.6	0.5
70°-80°	1.7	0.4
80°-90°	0.7	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°	295.3	62.2
0°-40°	430.8	90.7
0°-60°	470.0	98.9
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	446	446	446	446	446	
5°	427	425	424	424	423	40
15°	387	383	383	383	382	109
25°	322	323	324	320	318	148
35°	220	224	231	220	212	134
45°	8	29	56	29	9	26
55°	4	4	4	4	4	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°	445.5	445.5	445.5	445.5	445.5
1°	445.5	444.7	445.5	445.5	444.7
2°	442.0	441.2	441.6	441.2	440.9
3°	437.0	435.8	436.2	435.4	434.7
4°	431.2	430.0	430.0	429.7	428.9
5°	426.6	424.6	424.3	423.5	422.7
6°	421.2	419.2	418.8	417.7	416.9
7°	415.8	414.2	413.8	412.3	412.3
8°	411.5	409.6	409.6	407.7	407.7
9°	408.0	405.7	405.7	404.2	403.4
10°	404.6	402.2	402.2	400.3	399.5
11°	401.1	399.2	398.4	397.2	396.8
12°	398.0	395.3	394.5	394.1	393.4
13°	394.1	391.4	390.7	390.3	389.9
14°	390.7	387.2	386.8	386.0	386.4
15°	386.8	383.3	382.6	382.6	382.2
17.5°	374.8	372.5	371.4	370.6	369.8
20°	360.6	358.6	357.9	356.3	355.5
22.5°	342.0	341.6	341.3	339.3	336.2
25°	322.0	323.1	324.3	320.4	318.1
27.5°	302.7	305.7	306.9	303.0	298.0
30°	282.6	285.3	287.6	282.2	276.8
32.5°	253.6	260.2	263.7	257.5	245.1
35°	220.4	223.9	230.8	220.4	211.9
37.5°	181.8	183.8	189.2	182.2	176.4
40°	131.3	137.0	141.3	137.0	131.3
42.5°	59.1	82.6	93.4	87.2	61.8
45°	8.5	29.0	56.4	29.3	9.3
47.5°	3.5	4.6	29.3	4.2	3.5
50°	3.5	3.5	10.4	3.5	3.5
52.5°	3.5	3.5	3.9	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.1	3.1	3.5	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.7	3.1	3.1	3.1	2.7
65°	2.3	2.7	2.7	2.7	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.9	2.3	2.3	2.3	1.9
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.2	1.5	1.5	1.5	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.8	0.8	0.8	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)