

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: P1317270

Luminaire Tested: LDSQA3D05R709827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

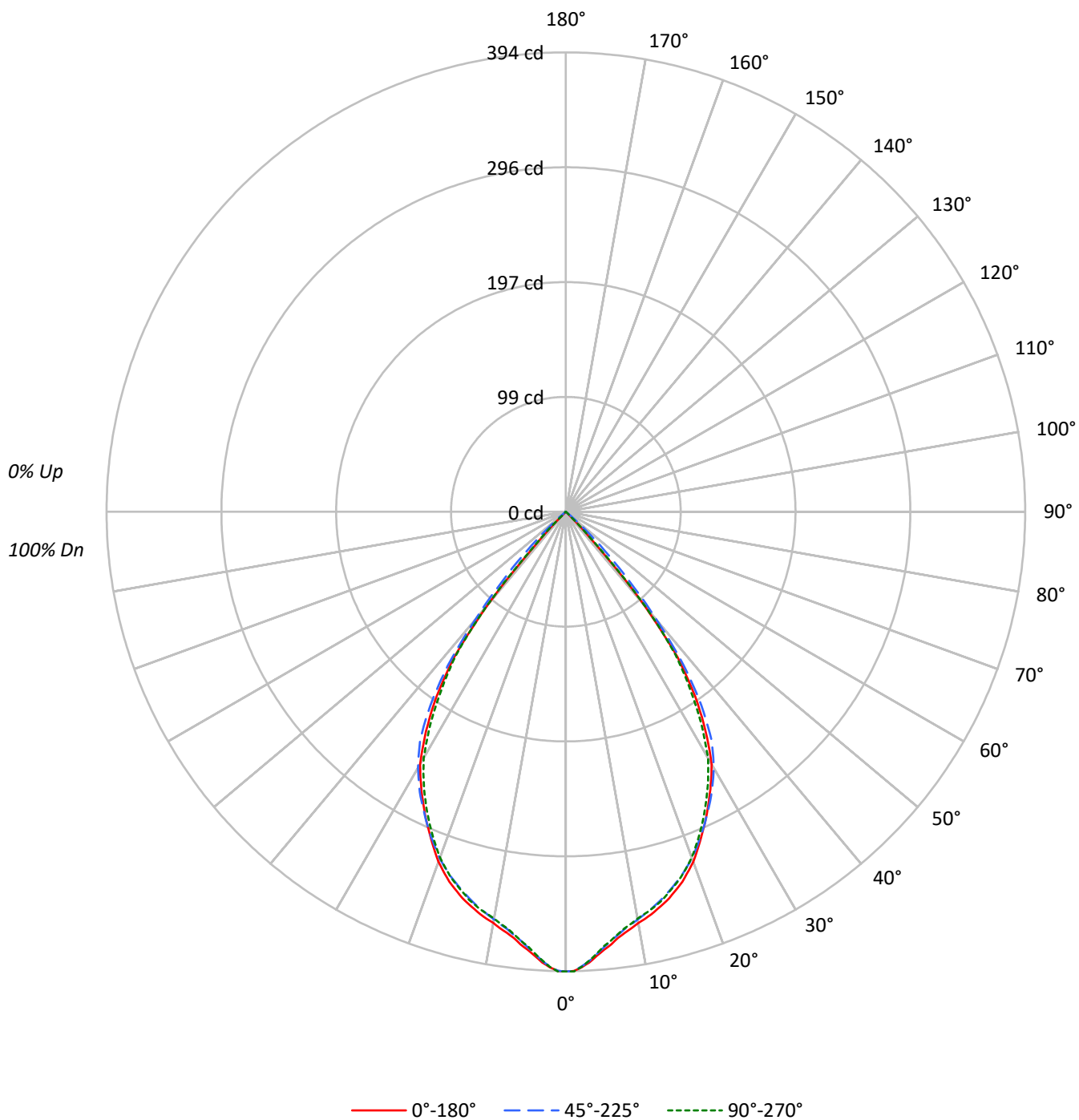
Lumens per Lamp: N/A
Luminaire Lumens: 408.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	67925	67925	67925
5°	65193	64830	64657
10°	62624	62082	61960
15°	61156	60283	60407
20°	58557	57988	57860
25°	54348	54481	53626
30°	49736	50432	48503
35°	40703	42659	39106
40°	23426	27293	24056
45°	341	11350	1169
50°	0	1206	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 11350 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	8.6
10°-20°	95.3	23.4
20°-30°	131.0	32.1
30°-40°	118.8	29.1
40°-50°	27.6	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	261.5	64.1
0°-40°	380.3	93.2
0°-60°	408.0	100.0
0°-90°	408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	394	394	394	394	394	
5°	377	376	375	374	374	35
15°	343	340	338	338	339	96
25°	286	287	287	284	282	131
35°	194	196	203	194	186	116
45°	1	16	47	20	5	17
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	394.4	394.4	394.4	394.4	394.4
1°	394.0	393.3	393.7	394.0	394.4
2°	390.9	390.2	390.2	390.6	390.6
3°	387.1	385.7	385.7	385.4	385.4
4°	381.9	380.9	380.2	379.9	379.9
5°	377.1	376.1	375.0	374.4	374.0
6°	373.0	371.3	369.9	369.5	369.9
7°	368.1	367.1	365.7	364.7	365.0
8°	364.7	363.3	361.6	360.9	360.9
9°	361.6	360.2	358.5	357.1	357.8
10°	358.1	356.8	355.0	354.0	354.3
11°	355.7	354.0	351.9	351.2	351.6
12°	353.0	350.9	348.8	348.5	349.2
13°	349.5	347.4	345.4	345.4	346.1
14°	346.4	344.0	341.9	341.9	343.0
15°	343.0	340.5	338.1	338.1	338.8
17.5°	332.6	330.5	328.1	328.1	328.5
20°	319.5	318.5	316.4	315.4	315.7
22.5°	302.9	302.9	301.9	300.2	299.5
25°	286.0	287.4	286.7	284.0	282.2
27.5°	268.4	270.8	271.2	267.1	263.9
30°	250.1	252.2	253.6	248.8	243.9
32.5°	223.2	229.4	232.9	226.3	216.3
35°	193.6	196.3	202.9	194.3	186.0
37.5°	157.3	160.8	166.3	159.4	154.6
40°	104.2	118.0	121.4	118.0	107.0
42.5°	37.6	66.2	79.7	67.6	44.2
45°	1.4	15.5	46.6	20.0	4.8
47.5°	0.0	0.3	21.0	0.7	0.0
50°	0.0	0.0	4.5	0.0	0.0
52.5°	0.0	0.0	0.3	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)