

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: P1319867

Luminaire Tested: LDSQA3D05R509840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

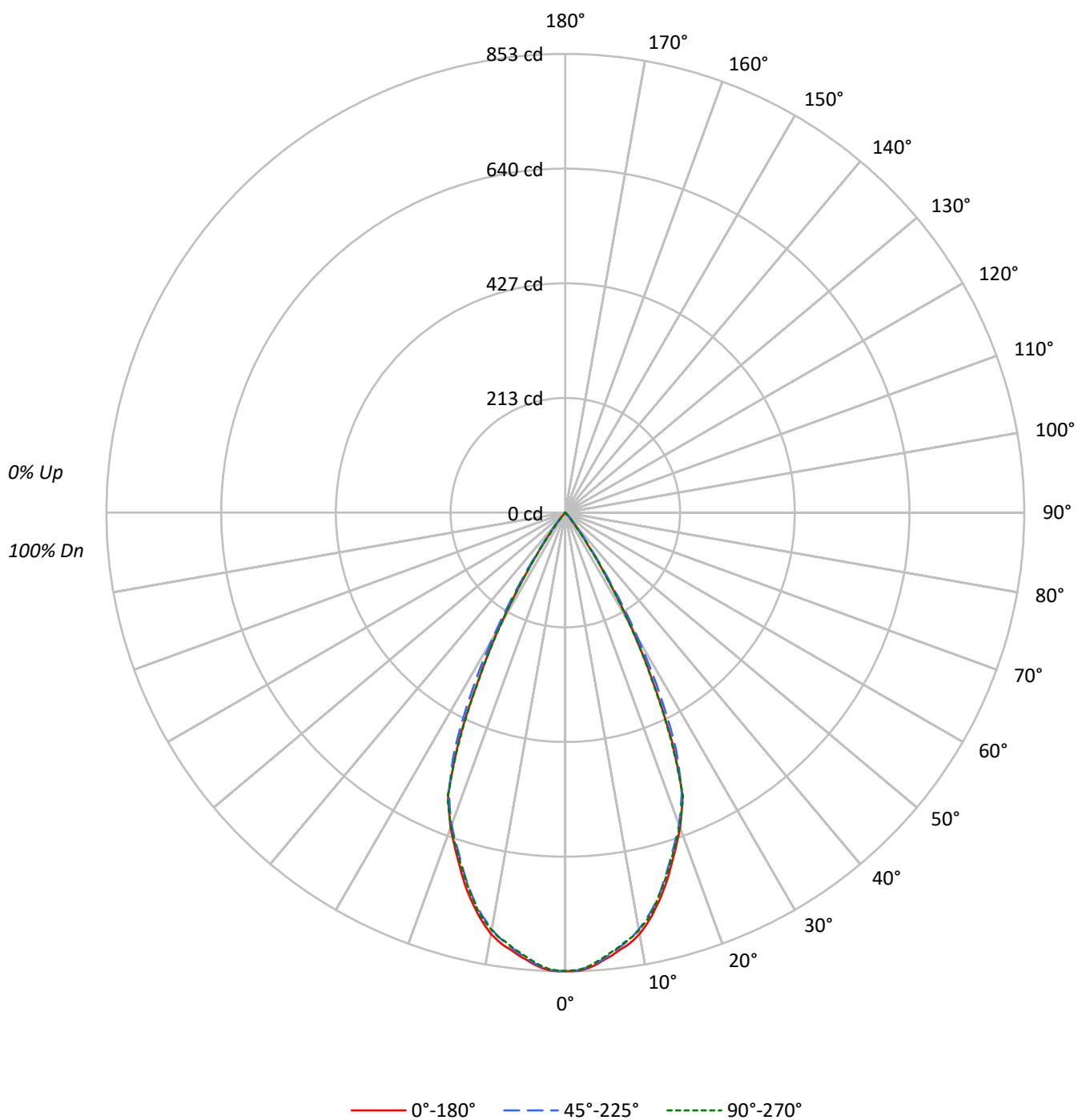
Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	146820	146820	146820
5°	144269	143854	143456
10°	139134	137630	137892
15°	128000	126378	126734
20°	114291	113209	113851
25°	88951	92676	87982
30°	48185	53813	47330
35°	15201	18081	14864
40°	3350	4676	3170
45°	97	1437	97
50°	0	214	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: 1437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	14.2
10°-20°	198.5	36.1
20°-30°	209.0	38.1
30°-40°	59.7	10.9
40°-50°	3.7	0.7
50°-60°	0.0	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°	485.6	88.4
0°-40°	545.3	99.3
0°-60°	549.0	100.0
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	834	834	832	831	830	78
15°	718	713	709	710	711	200
25°	468	485	488	482	463	205
35°	72	77	86	73	71	56
45°	0	2	6	2	0	2
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°	852.5	852.5	852.5	852.5	852.5
1°	852.9	853.3	852.5	853.3	851.4
2°	851.8	851.0	850.2	850.6	849.4
3°	847.4	847.1	845.5	845.9	844.3
4°	841.9	840.8	839.6	838.8	837.2
5°	834.5	833.7	832.1	831.3	829.8
6°	828.2	826.6	823.9	823.1	821.5
7°	820.0	819.2	815.6	814.8	814.1
8°	813.7	811.3	807.0	807.4	805.4
9°	805.4	802.3	798.0	798.0	798.4
10°	795.6	790.9	787.0	788.1	788.5
11°	782.6	779.5	773.6	776.4	776.4
12°	768.5	764.6	760.3	762.6	764.2
13°	752.0	748.9	744.9	747.3	746.5
14°	735.9	730.0	727.3	730.4	729.2
15°	717.9	713.1	708.8	710.0	710.8
17.5°	669.6	664.4	661.3	661.7	665.2
20°	623.6	621.6	617.7	619.3	621.2
22.5°	569.4	570.2	565.5	566.7	571.4
25°	468.1	485.4	487.7	482.2	463.0
27.5°	346.8	372.7	380.5	368.0	344.4
30°	242.3	249.4	270.6	246.6	238.0
32.5°	142.2	152.8	164.1	147.7	141.8
35°	72.3	77.4	86.0	73.0	70.7
37.5°	33.4	35.7	39.3	33.4	31.4
40°	14.9	17.7	20.8	16.9	14.1
42.5°	4.7	8.2	11.0	7.5	4.3
45°	0.4	2.0	5.9	2.0	0.4
47.5°	0.0	0.4	2.4	0.4	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	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)