

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: P1313318

Luminaire Tested: LDSQA3D05R209727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

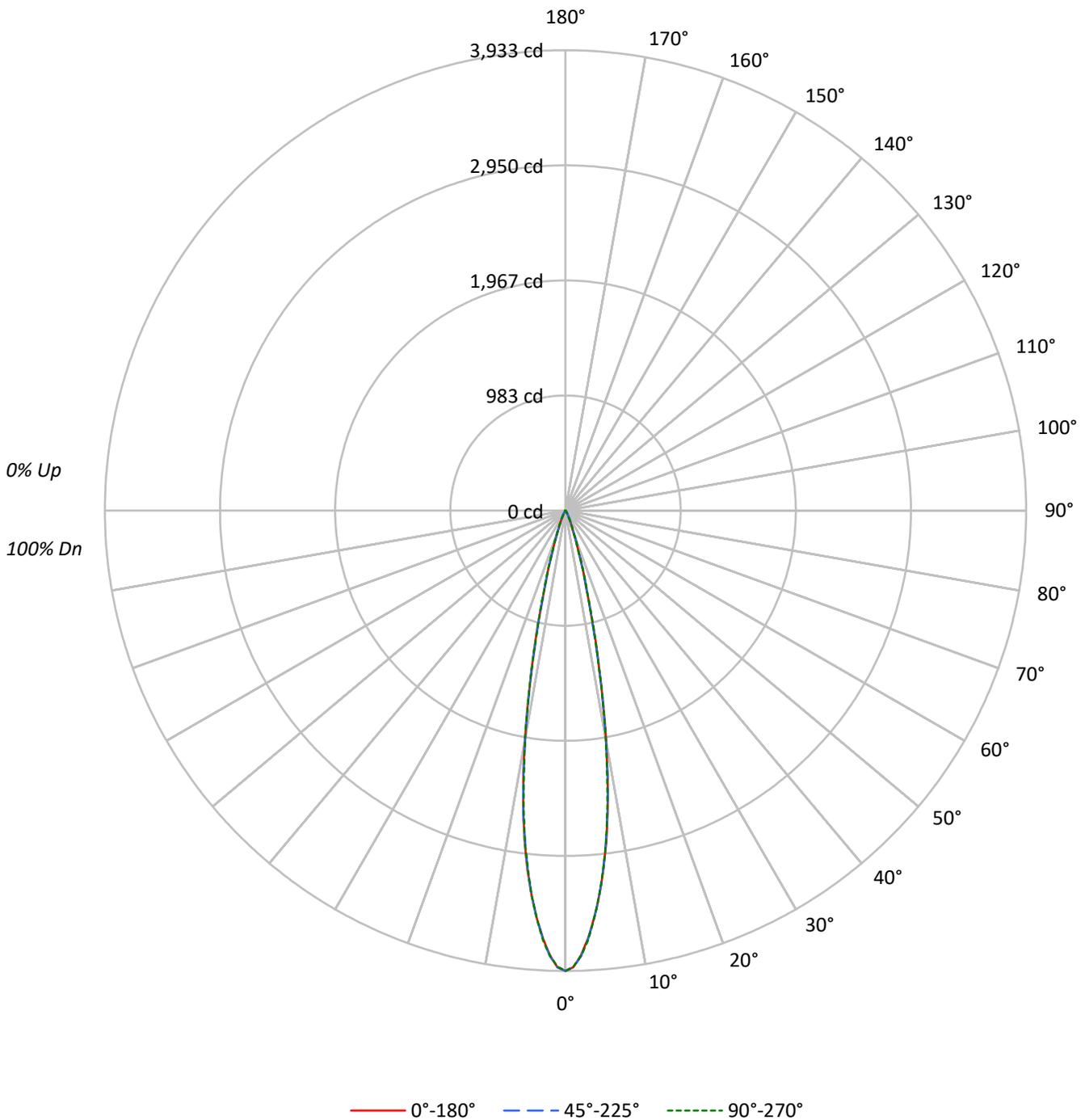
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 541.9 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	677369	677369	677369
5°	570921	571128	570834
10°	347905	346296	347101
15°	122544	123061	126877
20°	38506	39588	38744
25°	14423	15772	14822
30°	5588	7915	5847
35°	2123	3532	2292
40°	1124	1506	1124
45°	414	706	511
50°	214	348	214
55°	240	240	240
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	50.4
10°-20°	214.1	39.5
20°-30°	42.0	7.8
30°-40°	9.4	1.7
40°-50°	2.1	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.2	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°	529.1	97.6
0°-40°	538.6	99.4
0°-60°	541.4	99.9
0°-90°	541.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	541.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3933	3933	3933	3933	3933	
5°	3302	3305	3304	3315	3302	274
15°	687	690	690	705	712	214
25°	76	81	83	82	78	40
35°	10	12	17	12	11	7
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3933.1	3933.1	3933.1	3933.1	3933.1
1°	3901.2	3892.8	3902.5	3894.9	3896.6
2°	3800.1	3795.5	3808.1	3800.1	3804.3
3°	3659.7	3653.8	3663.0	3663.4	3675.2
4°	3491.9	3480.6	3494.4	3494.8	3496.9
5°	3302.4	3305.3	3303.6	3314.9	3301.9
6°	3089.3	3099.0	3086.4	3092.7	3074.7
7°	2851.1	2839.0	2832.7	2834.8	2847.4
8°	2588.2	2579.8	2589.1	2576.1	2567.3
9°	2295.9	2281.3	2291.3	2278.7	2266.2
10°	1989.4	1982.7	1980.2	1965.9	1984.8
11°	1682.0	1661.9	1671.9	1664.8	1685.4
12°	1394.3	1396.0	1376.3	1382.6	1385.1
13°	1134.8	1107.9	1111.3	1128.5	1131.4
14°	880.2	884.0	885.2	897.4	904.5
15°	687.3	690.2	690.2	705.3	711.6
17.5°	368.6	368.6	376.6	378.3	379.1
20°	210.1	211.4	216.0	215.5	211.4
22.5°	125.8	128.3	130.8	128.3	125.8
25°	75.9	80.9	83.0	81.8	78.0
27.5°	45.3	50.7	56.6	52.0	44.9
30°	28.1	31.0	39.8	31.9	29.4
32.5°	15.5	20.1	27.3	21.0	15.9
35°	10.1	12.2	16.8	12.2	10.9
37.5°	7.1	8.4	10.5	8.8	7.5
40°	5.0	5.9	6.7	6.3	5.0
42.5°	3.4	4.2	4.6	4.2	3.4
45°	1.7	2.5	2.9	2.5	2.1
47.5°	0.8	1.3	2.1	1.3	0.8
50°	0.8	0.8	1.3	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.4	0.8	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
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)