

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: P1306882

Luminaire Tested: LDSQA3D05R509024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306882
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: LDSQA3D05R509024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

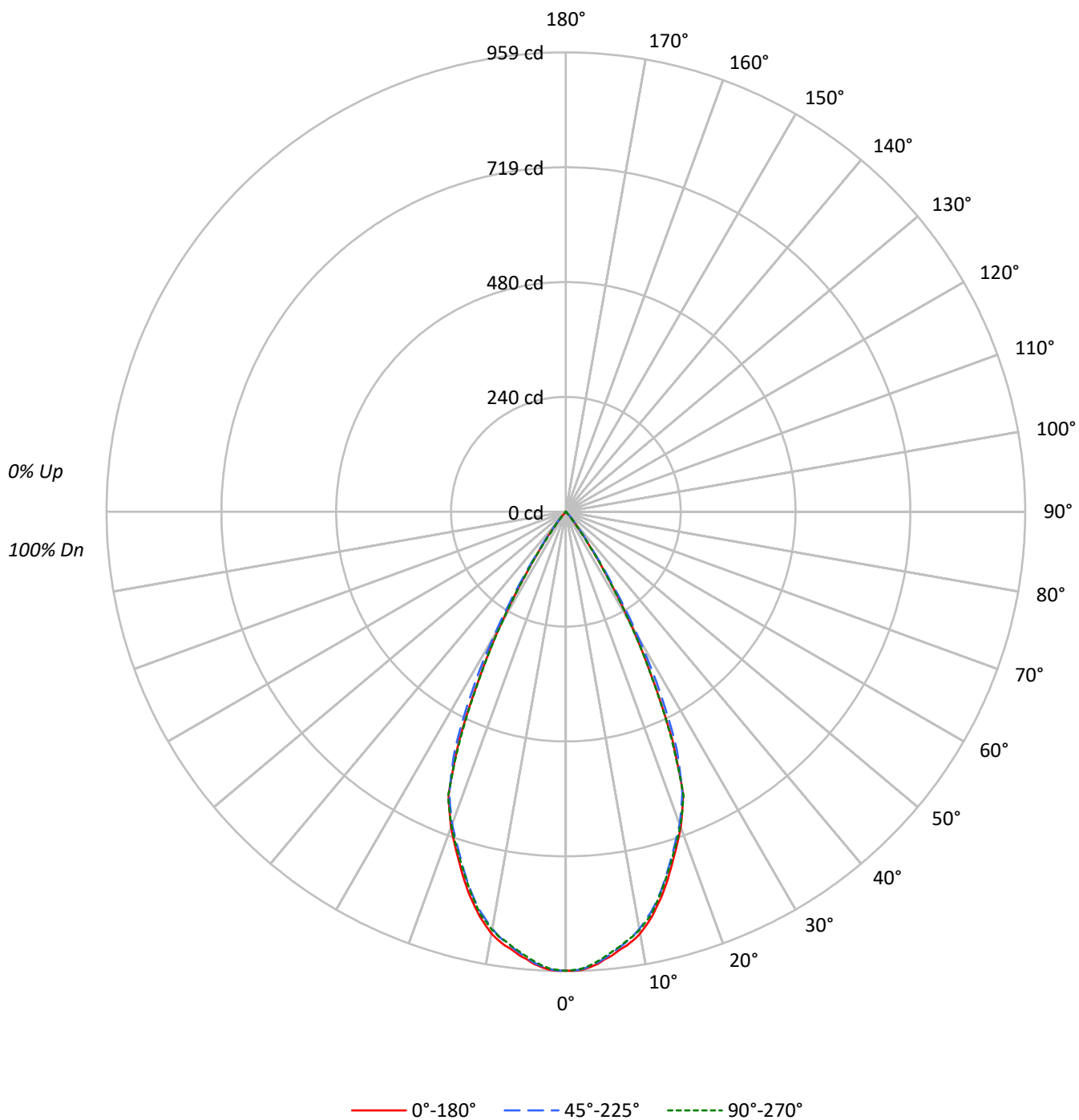
Lumens per Lamp: N/A
Luminaire Lumens: 617.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	165007	165007	165007
5°	162127	161678	161211
10°	156377	154663	154978
15°	143851	142032	142424
20°	128439	127230	127963
25°	99973	104154	98871
30°	54151	60475	53197
35°	17072	20331	16693
40°	3777	5261	3575
45°	97	1607	97
50°	0	241	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: 1607 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	14.2
10°-20°	223.0	36.1
20°-30°	234.9	38.1
30°-40°	67.1	10.9
40°-50°	4.2	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°	545.7	88.4
0°-40°	612.8	99.3
0°-60°	617.0	100.0
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	938	937	935	934	932	88
15°	807	802	797	798	799	225
25°	526	546	548	542	520	230
35°	81	87	97	82	79	63
45°	0	2	7	2	0	3
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°	958.1	958.1	958.1	958.1	958.1
1°	958.6	959.0	958.1	959.0	956.8
2°	957.3	956.4	955.5	955.9	954.6
3°	952.4	952.0	950.2	950.6	948.9
4°	946.2	944.9	943.6	942.7	940.9
5°	937.8	937.0	935.2	934.3	932.5
6°	930.8	929.0	925.9	925.0	923.3
7°	921.5	920.6	916.7	915.8	914.9
8°	914.5	911.8	907.0	907.4	905.2
9°	905.2	901.7	896.8	896.8	897.2
10°	894.2	888.9	884.4	885.8	886.2
11°	879.6	876.1	869.4	872.5	872.5
12°	863.7	859.3	854.4	857.1	858.8
13°	845.2	841.6	837.2	839.9	839.0
14°	827.1	820.4	817.4	820.9	819.6
15°	806.8	801.5	796.6	797.9	798.8
17.5°	752.5	746.7	743.2	743.7	747.6
20°	700.8	698.6	694.2	696.0	698.2
22.5°	639.9	640.8	635.5	636.9	642.1
25°	526.1	545.5	548.1	542.0	520.3
27.5°	389.7	418.8	427.7	413.5	387.1
30°	272.3	280.3	304.1	277.2	267.5
32.5°	159.8	171.7	184.5	165.9	159.3
35°	81.2	86.9	96.7	82.1	79.4
37.5°	37.5	40.2	44.1	37.5	35.3
40°	16.8	19.9	23.4	19.0	15.9
42.5°	5.3	9.3	12.4	8.4	4.9
45°	0.4	2.2	6.6	2.2	0.4
47.5°	0.0	0.4	2.6	0.4	0.0
50°	0.0	0.0	0.9	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)