

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: P1309697

Luminaire Tested: LDSQA3D24R309030D010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309030D010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

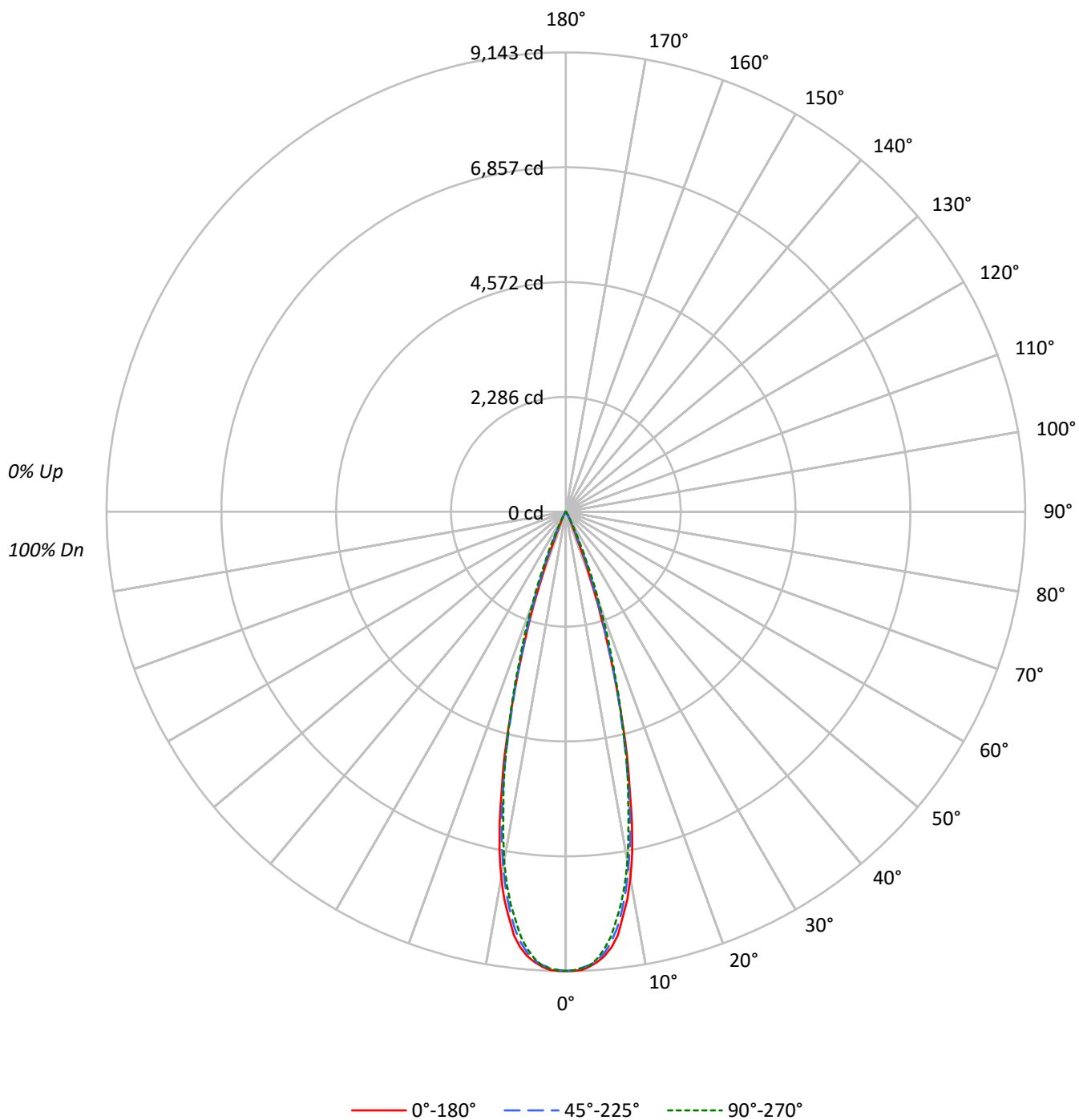
Lumens per Lamp: N/A
Luminaire Lumens: 2215.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1574356	1574356	1574356
5°	1533813	1523250	1510716
10°	1294405	1254673	1234299
15°	780054	758248	772209
20°	264595	305539	352439
25°	48628	76201	89997
30°	16705	18614	20881
35°	4815	6013	6433
40°	1281	2136	1709
45°	463	463	463
50°	509	0	509
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: 0°

Vertical Angle: 52.5°

Luminance: 538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.5	35.7
10°-20°	1155.3	52.2
20°-30°	244.4	11.0
30°-40°	22.5	1.0
40°-50°	2.2	0.1
50°-60°	0.2	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°	2190.2	98.9
0°-40°	2212.7	99.9
0°-60°	2215.0	100.0
0°-90°	2215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9141	9141	9141	9141	9141	
5°	8872	8855	8811	8784	8738	801
15°	4375	4360	4253	4352	4331	1154
25°	256	286	401	472	474	187
35°	23	29	29	34	31	19
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9141.4	9141.4	9141.4	9141.4	9141.4
1°	9143.3	9133.8	9120.4	9139.5	9126.1
2°	9124.2	9101.3	9082.2	9101.3	9095.6
3°	9066.9	9047.8	9034.5	9044.0	9044.0
4°	8981.0	8960.0	8948.5	8950.4	8921.8
5°	8872.1	8854.9	8811.0	8784.3	8738.5
6°	8711.7	8669.7	8616.2	8572.3	8513.1
7°	8494.0	8429.1	8352.7	8276.3	8201.9
8°	8144.6	8114.0	8010.9	7959.3	7884.9
9°	7816.1	7741.6	7630.9	7546.9	7506.8
10°	7401.7	7291.0	7174.5	7107.6	7058.0
11°	6910.9	6798.3	6704.7	6607.3	6530.9
12°	6334.2	6238.8	6131.8	6066.9	5977.1
13°	5650.6	5637.2	5516.9	5495.9	5484.5
14°	5064.3	5010.9	4892.5	4924.9	4932.6
15°	4375.0	4359.7	4252.7	4352.0	4331.0
17.5°	2740.3	2746.0	2812.9	2969.5	3019.1
20°	1443.7	1487.6	1667.1	1856.2	1923.0
22.5°	584.3	681.7	865.1	993.0	1078.9
25°	255.9	286.4	401.0	471.7	473.6
27.5°	145.1	147.0	192.9	200.5	204.3
30°	84.0	85.9	93.6	99.3	105.0
32.5°	45.8	49.7	51.6	59.2	59.2
35°	22.9	28.6	28.6	34.4	30.6
37.5°	13.4	15.3	17.2	17.2	15.3
40°	5.7	7.6	9.5	9.5	7.6
42.5°	1.9	3.8	3.8	3.8	5.7
45°	1.9	1.9	1.9	1.9	1.9
47.5°	1.9	1.9	0.0	1.9	1.9
50°	1.9	0.0	0.0	0.0	1.9
52.5°	1.9	0.0	0.0	0.0	1.9
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)