

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: P1310164

Luminaire Tested: LDSQA3D09R209035DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209035DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

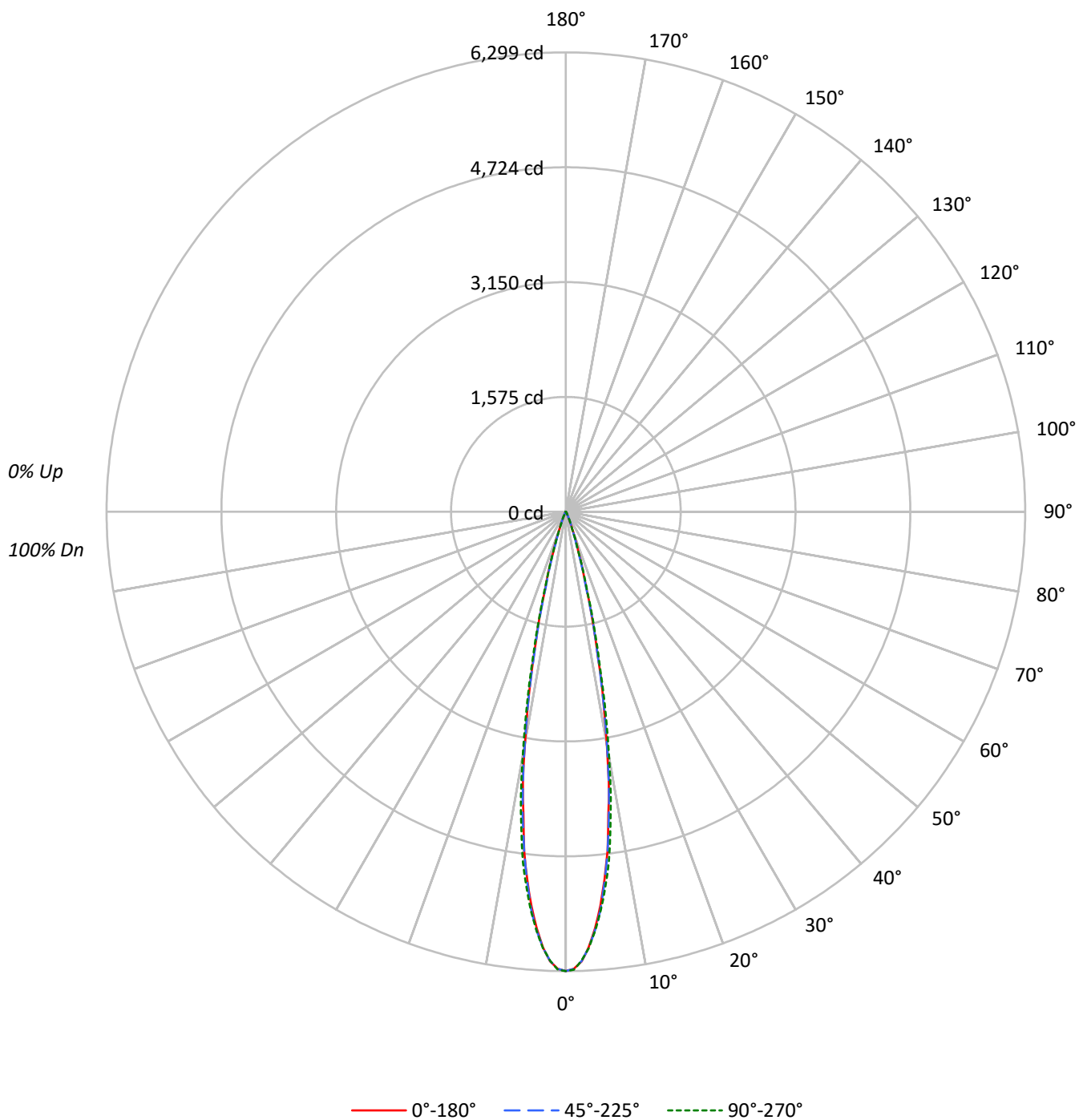
Lumens per Lamp: N/A
Luminaire Lumens: 846.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1084779	1084779	1084779
5°	937133	945847	949373
10°	564144	569407	597755
15°	195129	190565	205738
20°	51244	48201	48348
25°	11174	13454	15316
30°	4793	4793	4952
35°	2691	2376	2544
40°	1192	1349	1529
45°	365	560	560
50°	214	214	214
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: 22.5°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.5	53.3
10°-20°	343.0	40.5
20°-30°	42.4	5.0
30°-40°	8.0	0.9
40°-50°	2.0	0.2
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°	835.9	98.8
0°-40°	843.9	99.8
0°-60°	846.0	100.0
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6299	6299	6299	6299	6299	
5°	5421	5417	5471	5467	5492	447
15°	1094	1055	1069	1133	1154	343
25°	59	67	71	74	81	40
35°	13	13	11	12	12	8
45°	2	2	2	2	2	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°	6298.7	6298.7	6298.7	6298.7	6298.7
1°	6269.3	6261.8	6267.8	6255.0	6281.4
2°	6169.1	6161.5	6161.5	6154.0	6157.8
3°	5982.2	5994.2	5986.7	5970.9	5991.2
4°	5727.4	5741.0	5753.0	5753.8	5756.8
5°	5420.7	5416.9	5471.1	5467.4	5491.5
6°	5070.9	5066.4	5089.8	5129.0	5177.2
7°	4686.5	4631.5	4694.1	4773.2	4838.0
8°	4189.1	4203.4	4246.4	4339.8	4391.8
9°	3767.0	3683.4	3774.6	3886.1	3942.6
10°	3225.9	3158.0	3256.0	3373.6	3418.1
12.5°	2030.5	1971.7	2003.3	2127.0	2146.6
15°	1094.4	1055.2	1068.8	1132.8	1153.9
17.5°	558.5	523.1	515.5	556.2	560.8
20°	279.6	271.3	263.0	266.8	263.8
22.5°	129.6	140.9	139.4	131.9	140.9
25°	58.8	67.1	70.8	73.9	80.6
27.5°	36.2	34.7	39.9	43.0	43.7
30°	24.1	23.4	24.1	24.9	24.9
32.5°	17.3	16.6	15.8	15.8	16.6
35°	12.8	12.8	11.3	12.1	12.1
37.5°	9.0	9.0	8.3	9.0	9.0
40°	5.3	6.0	6.0	6.0	6.8
42.5°	3.0	3.8	3.8	3.8	3.8
45°	1.5	2.3	2.3	2.3	2.3
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)