

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: P1314617

Luminaire Tested: LDSQA3D13R209730DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314617
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: LDSQA3D13R209730DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

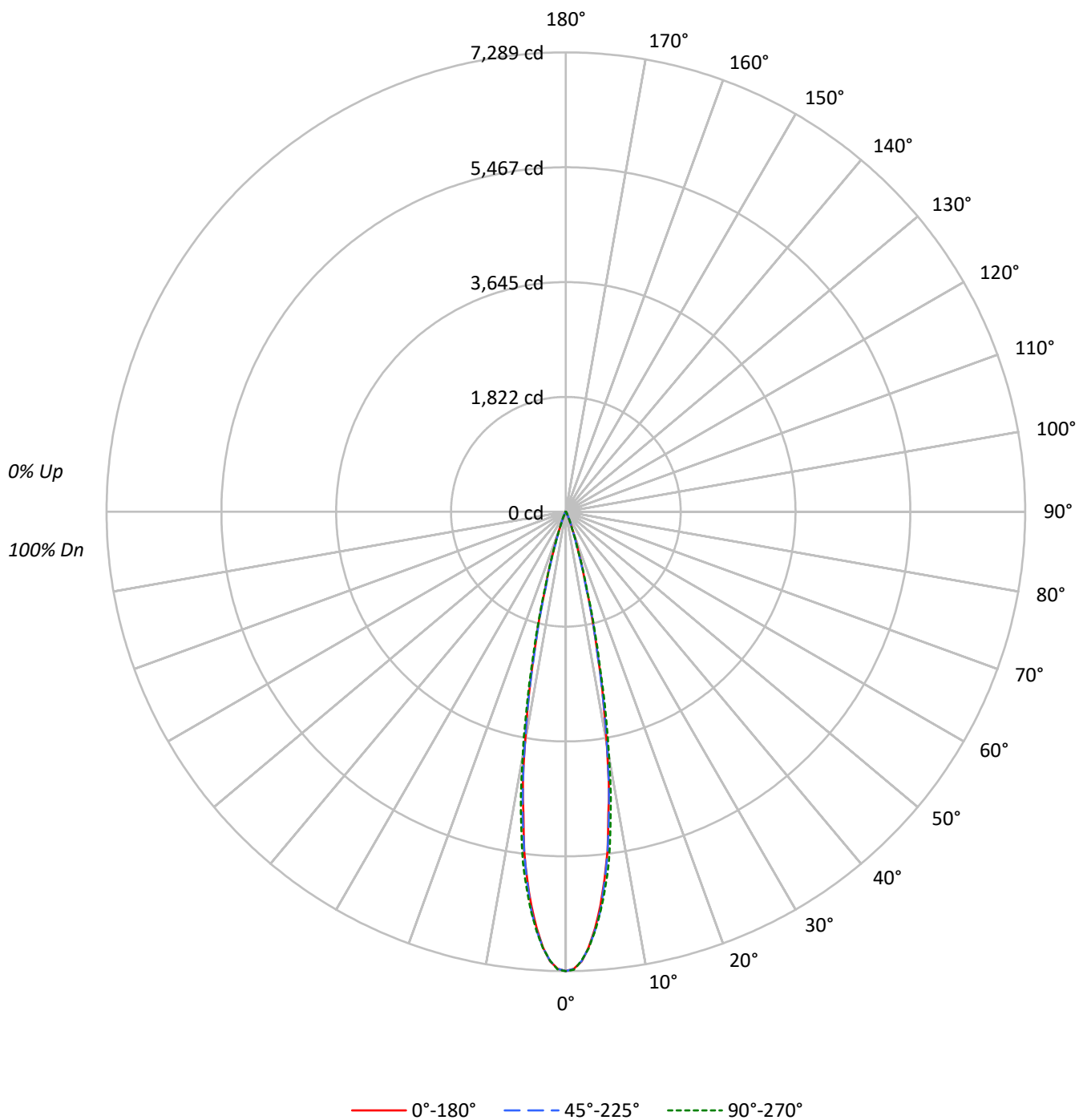
Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	1255314	1255314	1255314
5°	1084445	1094558	1098621
10°	652825	658928	691718
15°	225797	220519	238081
20°	59308	55789	55954
25°	12922	15582	17729
30°	5548	5548	5727
35°	3112	2754	2943
40°	1371	1574	1754
45°	414	633	633
50°	241	241	241
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: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.3	53.3
10°-20°	396.9	40.5
20°-30°	49.1	5.0
30°-40°	9.3	0.9
40°-50°	2.2	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°	967.3	98.8
0°-40°	976.6	99.8
0°-60°	979.0	100.0
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7289	7289	7289	7289	7289	
5°	6273	6268	6331	6327	6355	517
15°	1266	1221	1237	1311	1335	397
25°	68	78	82	86	93	47
35°	15	15	13	14	14	10
45°	2	3	3	3	3	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°	7288.9	7288.9	7288.9	7288.9	7288.9
1°	7254.9	7246.2	7253.2	7238.4	7268.9
2°	7138.9	7130.2	7130.2	7121.5	7125.8
3°	6922.6	6936.6	6927.9	6909.5	6933.1
4°	6627.8	6643.5	6657.5	6658.3	6661.8
5°	6272.8	6268.5	6331.3	6326.9	6354.8
6°	5868.1	5862.9	5889.9	5935.3	5991.1
7°	5423.3	5359.6	5432.0	5523.6	5598.6
8°	4847.7	4864.2	4914.0	5022.1	5082.3
9°	4359.2	4262.4	4368.0	4497.0	4562.5
10°	3733.0	3654.5	3767.9	3903.9	3955.4
12.5°	2349.7	2281.7	2318.3	2461.3	2484.0
15°	1266.4	1221.1	1236.8	1310.9	1335.3
17.5°	646.3	605.3	596.6	643.7	648.9
20°	323.6	314.0	304.4	308.8	305.3
22.5°	150.0	163.1	161.4	152.6	163.1
25°	68.0	77.6	82.0	85.5	93.3
27.5°	41.9	40.1	46.2	49.7	50.6
30°	27.9	27.0	27.9	28.8	28.8
32.5°	20.1	19.2	18.3	18.3	19.2
35°	14.8	14.8	13.1	14.0	14.0
37.5°	10.5	10.5	9.6	10.5	10.5
40°	6.1	7.0	7.0	7.0	7.8
42.5°	3.5	4.4	4.4	4.4	4.4
45°	1.7	2.6	2.6	2.6	2.6
47.5°	0.9	0.9	0.9	1.7	1.7
50°	0.9	0.9	0.9	0.9	0.9
52.5°	0.9	0.0	0.0	0.0	0.9
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)