

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: P1314449

Luminaire Tested: LDSQA3D09R209730DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314449
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: LDSQA3D09R209730DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

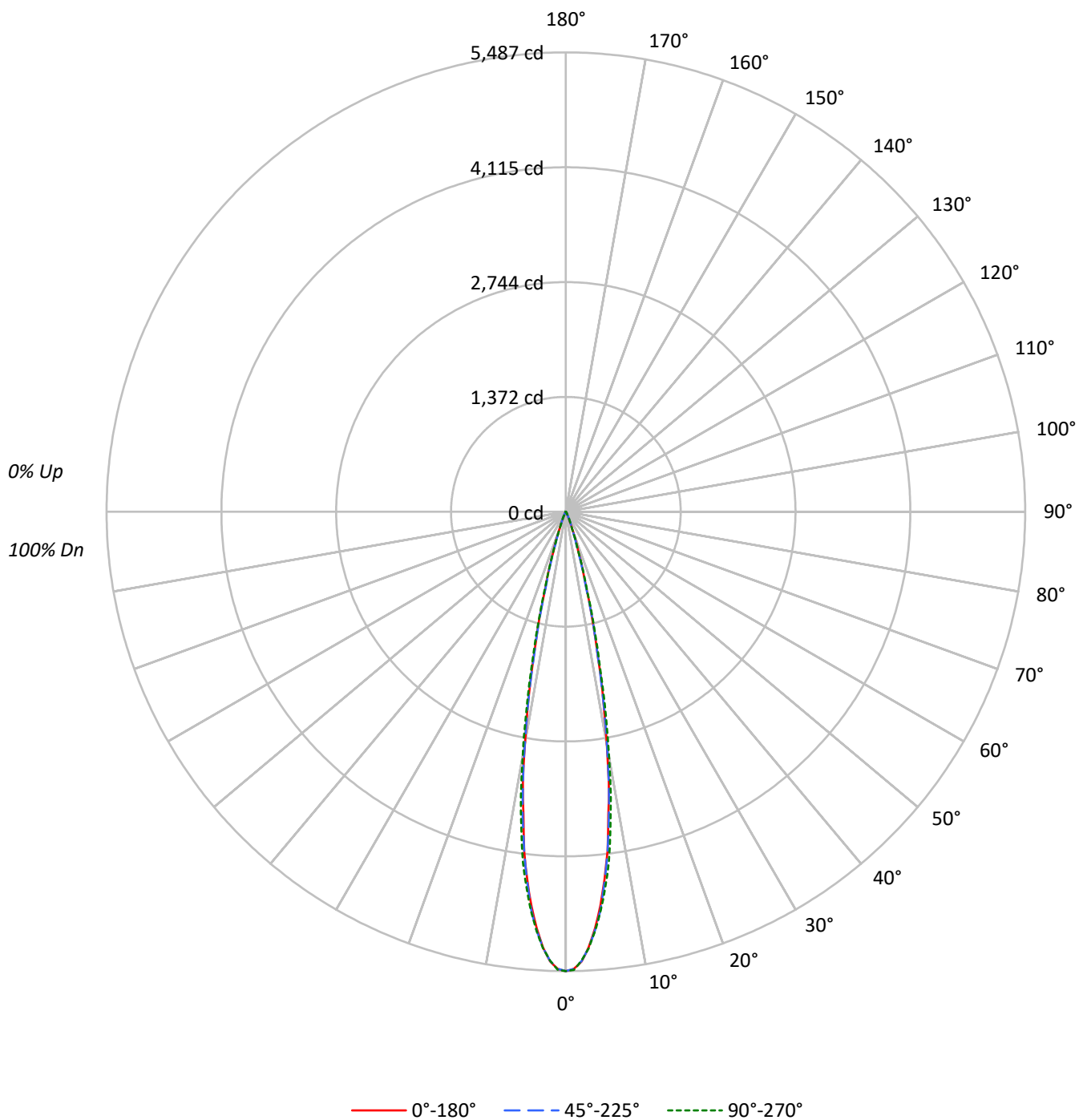
Lumens per Lamp: N/A
Luminaire Lumens: 737.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1314449

CATALOG NUMBER: LDSQA3D09R209730DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1314449

CATALOG NUMBER: LDSQA3D09R209730DE010 3LSQPHR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	945020	945020	945020
5°	816376	823983	827060
10°	491446	496046	520739
15°	169989	166013	179225
20°	44646	42007	42117
25°	9729	11725	13359
30°	4176	4176	4315
35°	2355	2060	2208
40°	1034	1192	1326
45°	317	487	487
50°	188	188	188
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: 487 cd/sqm

TEST NUMBER: P1314449

CATALOG NUMBER: LDSQA3D09R209730DE010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.5	53.2
10°-20°	298.8	40.5
20°-30°	36.9	5.0
30°-40°	7.0	0.9
40°-50°	1.7	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°	728.2	98.8
0°-40°	735.2	99.8
0°-60°	737.0	100.0
0°-90°	737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	737.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5487	5487	5487	5487	5487	
5°	4722	4719	4766	4763	4784	389
15°	953	919	931	987	1005	299
25°	51	58	62	64	70	35
35°	11	11	10	10	10	7
45°	1	2	2	2	2	1
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	



TEST NUMBER: P1314449

CATALOG NUMBER: LDSQA3D09R209730DE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5487.2	5487.2	5487.2	5487.2	5487.2
1°	5461.6	5455.0	5460.3	5449.1	5472.1
2°	5374.2	5367.7	5367.7	5361.1	5364.4
3°	5211.4	5221.9	5215.3	5201.6	5219.3
4°	4989.5	5001.3	5011.8	5012.5	5015.1
5°	4722.2	4719.0	4766.2	4763.0	4784.0
6°	4417.6	4413.6	4434.0	4468.1	4510.2
7°	4082.7	4034.8	4089.3	4158.2	4214.7
8°	3649.4	3661.8	3699.3	3780.7	3826.0
9°	3281.7	3208.8	3288.2	3385.4	3434.7
10°	2810.2	2751.1	2836.5	2938.9	2977.7
12.5°	1768.9	1717.7	1745.2	1852.9	1870.0
15°	953.4	919.2	931.1	986.9	1005.2
17.5°	486.5	455.7	449.1	484.6	488.5
20°	243.6	236.4	229.2	232.4	229.8
22.5°	112.9	122.8	121.5	114.9	122.8
25°	51.2	58.4	61.7	64.3	70.3
27.5°	31.5	30.2	34.8	37.4	38.1
30°	21.0	20.4	21.0	21.7	21.7
32.5°	15.1	14.4	13.8	13.8	14.4
35°	11.2	11.2	9.8	10.5	10.5
37.5°	7.9	7.9	7.2	7.9	7.9
40°	4.6	5.3	5.3	5.3	5.9
42.5°	2.6	3.3	3.3	3.3	3.3
45°	1.3	2.0	2.0	2.0	2.0
47.5°	0.7	0.7	0.7	1.3	1.3
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)