

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: P1312844

Luminaire Tested: LDSQA3D20R259050D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259050D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

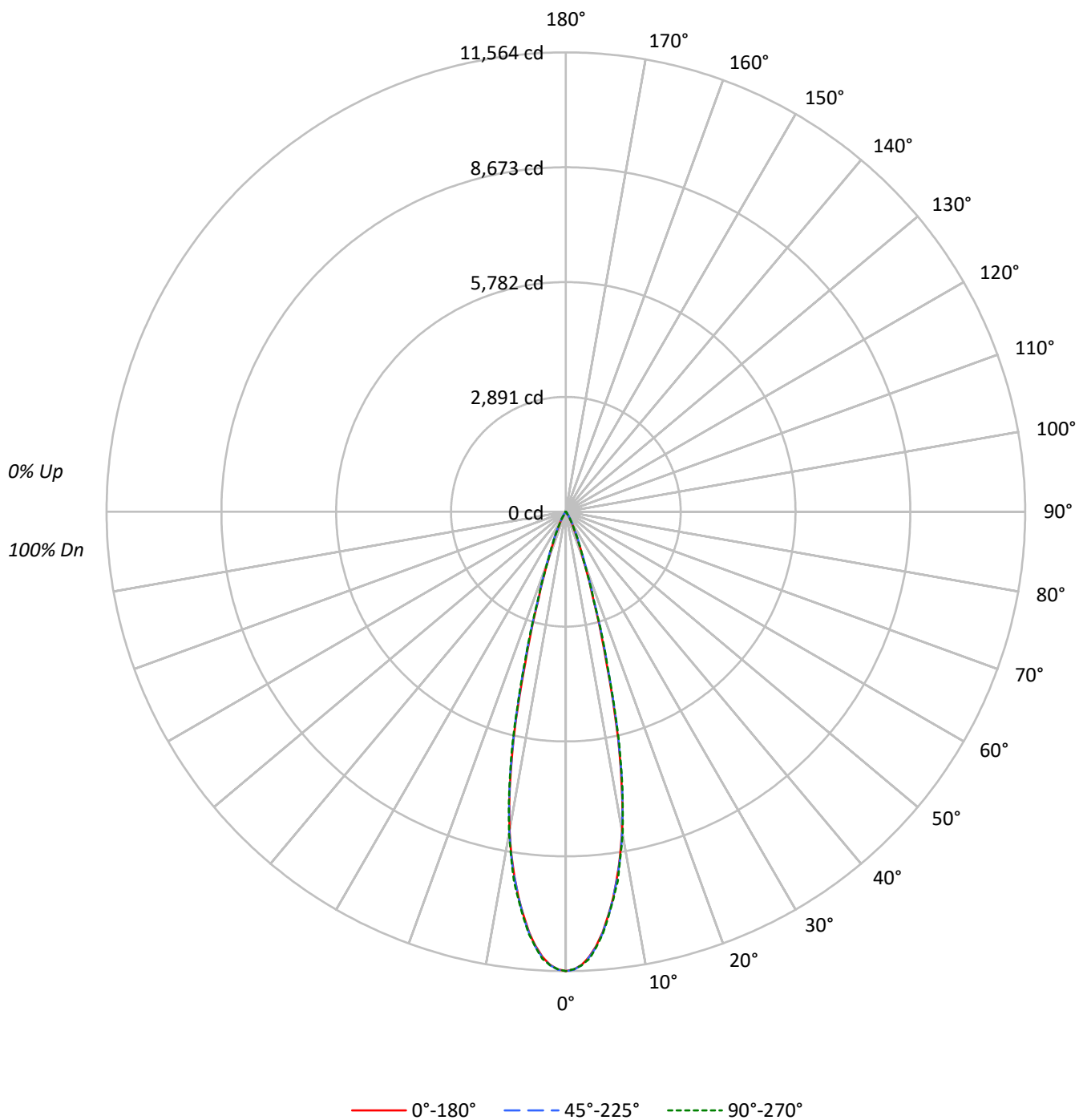
Lumens per Lamp: N/A
Luminaire Lumens: 2407.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312844

CATALOG NUMBER: LDSQA3D20R259050D010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312844

CATALOG NUMBER: LDSQA3D20R259050D010 3LSQCDR1MMS

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	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1991514	1991514	1991514
5°	1836302	1840451	1844289
10°	1425775	1430934	1438698
15°	704598	734231	734552
20°	237250	253158	241979
25°	98263	109132	101056
30°	38560	48483	38918
35°	10092	19805	10491
40°	3732	7891	3732
45°	438	2241	438
50°	0	482	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: 2241 cd/sqm

TEST NUMBER: P1312844

CATALOG NUMBER: LDSQA3D20R259050D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.0	38.9
10°-20°	1133.4	47.1
20°-30°	276.7	11.5
30°-40°	53.8	2.2
40°-50°	6.1	0.3
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°	2347.1	97.5
0°-40°	2400.9	99.7
0°-60°	2407.0	100.0
0°-90°	2407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11564	11564	11564	11564	11564	
5°	10622	10637	10646	10692	10668	934
15°	3952	4046	4118	4159	4120	1113
25°	517	545	574	550	532	263
35°	48	68	94	68	50	43
45°	2	6	9	6	2	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	

TEST NUMBER: P1312844

CATALOG NUMBER: LDSQA3D20R259050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11563.6	11563.6	11563.6	11563.6	11563.6
1°	11519.3	11526.7	11528.5	11539.6	11517.5
2°	11414.0	11415.9	11421.4	11443.6	11423.3
3°	11220.1	11233.1	11234.9	11264.5	11270.0
4°	10956.1	10963.5	10978.2	11028.1	10983.8
5°	10621.8	10636.6	10645.8	10692.0	10668.0
6°	10208.2	10211.9	10232.2	10285.7	10252.5
7°	9787.2	9785.3	9787.2	9829.6	9820.4
8°	9279.3	9270.1	9299.6	9351.4	9386.4
9°	8749.4	8762.3	8780.7	8830.6	8790.0
10°	8152.9	8188.0	8182.4	8186.1	8226.8
11°	7465.9	7477.0	7478.9	7517.6	7512.1
12°	6659.0	6659.0	6719.9	6782.7	6762.4
13°	5844.6	5901.8	5861.2	5874.1	5955.4
14°	4895.4	4939.7	4995.1	5046.8	5006.2
15°	3951.8	4046.0	4118.0	4158.6	4119.8
17.5°	2264.0	2295.4	2356.3	2363.7	2339.7
20°	1294.5	1333.3	1381.3	1366.5	1320.3
22.5°	814.4	825.4	873.5	849.5	838.4
25°	517.1	544.8	574.3	550.3	531.8
27.5°	321.3	339.8	371.2	345.3	325.0
30°	193.9	210.5	243.8	208.7	195.7
32.5°	101.6	125.6	153.3	127.4	101.6
35°	48.0	68.3	94.2	68.3	49.9
37.5°	29.5	36.9	57.2	36.9	29.5
40°	16.6	24.0	35.1	24.0	16.6
42.5°	7.4	12.9	16.6	12.9	9.2
45°	1.8	5.5	9.2	5.5	1.8
47.5°	0.0	0.0	5.5	1.8	0.0
50°	0.0	0.0	1.8	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



TEST NUMBER: P1312844
CATALOG NUMBER: LDSQA3D20R259050D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)