

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: P1313182

Luminaire Tested: LDSQA3D02R309727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

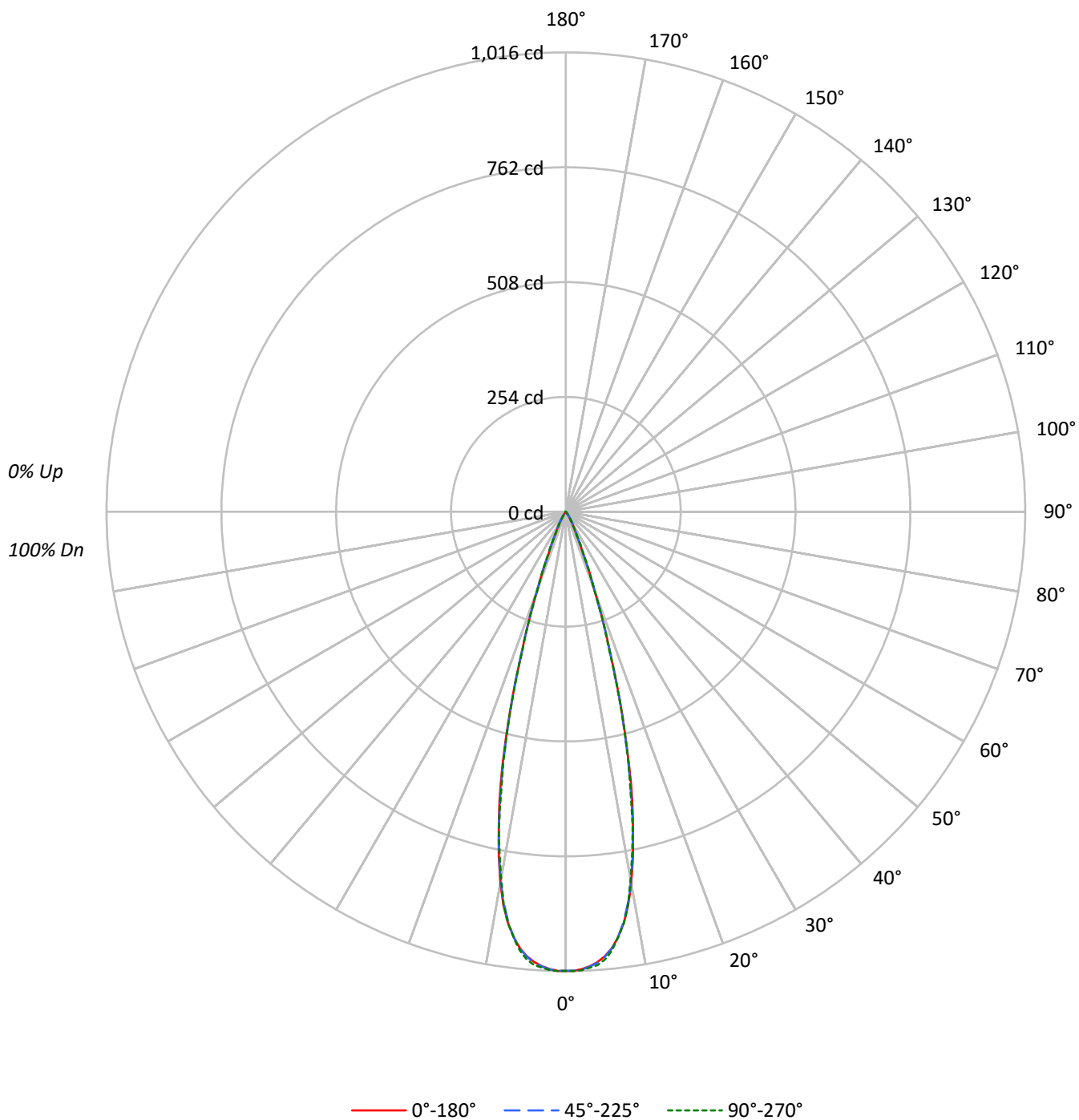
Lumens per Lamp: N/A
Luminaire Lumens: 262.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1313182

CATALOG NUMBER: LDSQA3D02R309727DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313182

CATALOG NUMBER: LDSQA3D02R309727DE010 3LSQCDR1MB

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	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	174875	174875	174875
5°	170598	170823	171774
10°	145710	145028	144171
15°	89916	88864	89185
20°	33979	34163	34126
25°	10451	11459	10927
30°	4216	5349	4375
35°	1240	2271	1282
40°	495	922	495
45°	97	292	97
50°	0	54	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: 292 cd/sqm

TEST NUMBER: P1313182

CATALOG NUMBER: LDSQA3D02R309727DE010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	34.2
10°-20°	132.6	50.6
20°-30°	32.9	12.6
30°-40°	6.2	2.4
40°-50°	0.8	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°	255.0	97.3
0°-40°	261.2	99.7
0°-60°	262.0	100.0
0°-90°	262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1015	1015	1015	1015	1015	
5°	987	986	988	990	994	90
15°	504	499	498	502	500	133
25°	55	59	60	60	58	32
35°	6	8	11	8	6	5
45°	0	1	1	1	0	0
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: P1313182

CATALOG NUMBER: LDSQA3D02R309727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.4	1015.4	1015.4	1015.4	1015.4
1°	1015.8	1015.0	1015.0	1013.7	1016.0
2°	1012.1	1011.3	1012.7	1011.7	1014.6
3°	1006.6	1005.6	1007.6	1008.2	1009.7
4°	998.5	997.6	999.9	1001.1	1005.0
5°	986.8	986.4	988.1	989.7	993.6
6°	971.0	970.3	971.4	973.4	975.8
7°	947.9	946.7	947.5	947.9	948.5
8°	918.8	917.0	915.9	918.2	919.4
9°	881.3	879.3	877.0	876.2	879.1
10°	833.2	830.1	829.3	827.3	824.4
11°	777.4	774.9	774.3	770.6	769.0
12°	713.4	712.2	713.6	711.4	710.5
13°	652.1	644.3	643.3	639.0	636.8
14°	579.5	572.4	572.2	569.9	573.0
15°	504.3	499.4	498.4	502.3	500.2
17.5°	321.5	324.8	324.0	322.0	318.5
20°	185.4	183.2	186.4	187.3	186.2
22.5°	98.8	99.6	100.3	102.7	104.3
25°	55.0	58.7	60.3	60.1	57.5
27.5°	34.2	36.5	39.5	37.5	35.3
30°	21.2	23.0	26.9	23.2	22.0
32.5°	11.4	14.5	17.3	14.5	11.8
35°	5.9	7.7	10.8	7.9	6.1
37.5°	3.9	4.5	6.9	4.5	3.9
40°	2.2	2.9	4.1	2.9	2.2
42.5°	1.0	1.6	2.2	1.6	1.0
45°	0.4	0.6	1.2	0.8	0.4
47.5°	0.0	0.2	0.6	0.2	0.0
50°	0.0	0.0	0.2	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: P1313182

CATALOG NUMBER: LDSQA3D02R309727DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)