

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: P1307641

Luminaire Tested: LDSQA3D02R309027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

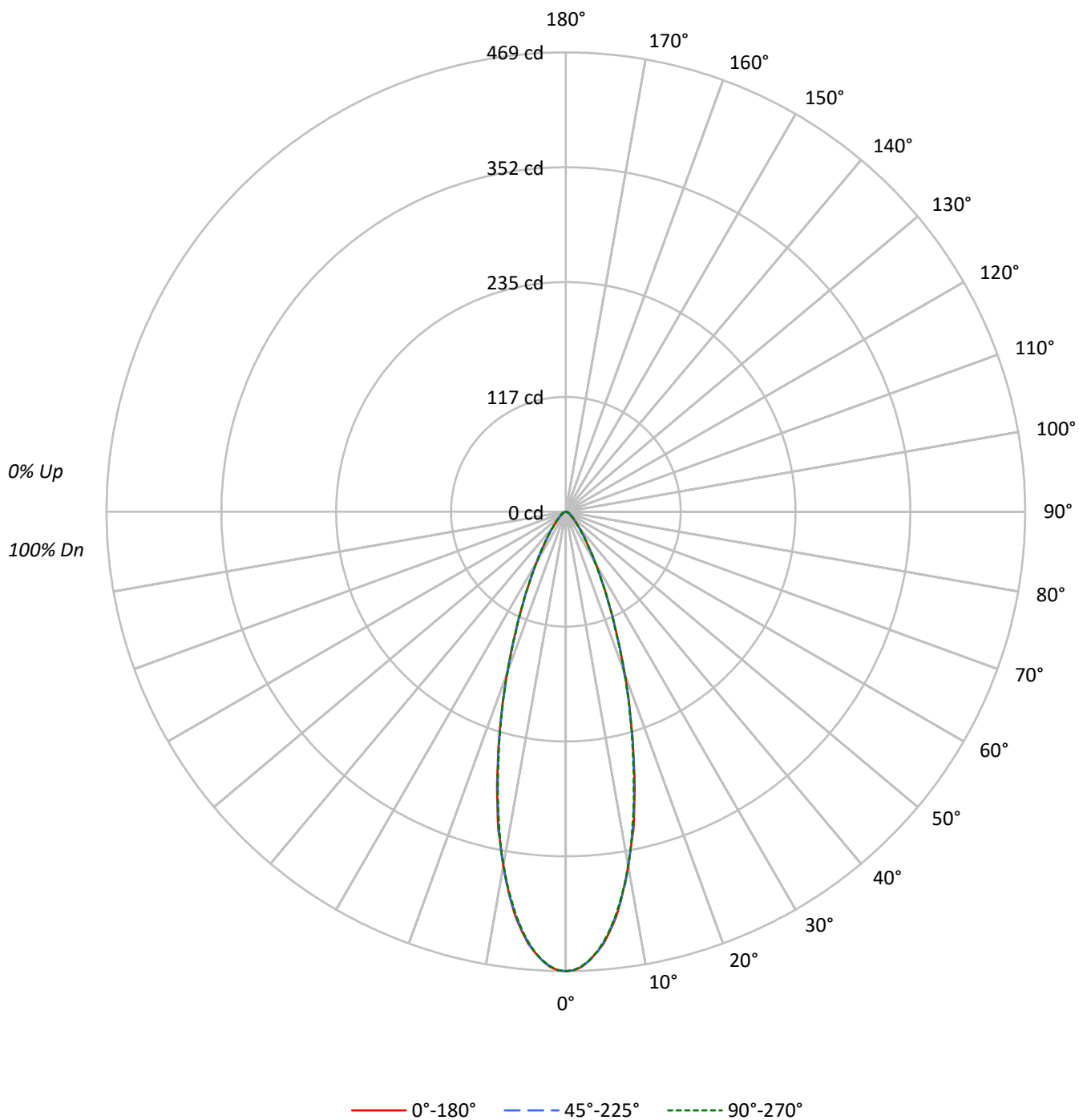
Lumens per Lamp: N/A
Luminaire Lumens: 206.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307641

CATALOG NUMBER: LDSQA3D02R309027DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307641

CATALOG NUMBER: LDSQA3D02R309027DE010 3LSQPHRL1MW

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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	65	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80790	80790	80790
5°	76482	76292	76240
10°	64251	64251	64006
15°	47873	47748	47463
20°	32037	31872	31908
25°	19744	19706	19801
30°	11872	11872	11912
35°	7274	7274	7338
40°	4609	4609	4721
45°	3166	3215	3215
50°	2331	2331	2331
55°	1772	1862	1862
60°	1481	1481	1584
65°	1304	1304	1304
70°	1158	1259	1259
75°	1065	1065	1065
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3215 cd/sqm

TEST NUMBER: P1307641

CATALOG NUMBER: LDSQA3D02R309027DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	19.3
10°-20°	73.4	35.6
20°-30°	48.8	23.7
30°-40°	22.6	11.0
40°-50°	10.5	5.1
50°-60°	5.6	2.7
60°-70°	3.3	1.6
70°-80°	1.7	0.8
80°-90°	0.4	0.2
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°	162.0	78.6
0°-40°	184.6	89.6
0°-60°	200.6	97.4
0°-90°	206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	442	442	441	442	441	40
15°	268	269	268	268	266	74
25°	104	104	104	104	104	49
35°	35	34	35	35	35	22
45°	13	13	13	13	13	10
55°	6	6	6	6	6	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307641

CATALOG NUMBER: LDSQA3D02R309027DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.1	469.1	469.1	469.1	469.1
1°	468.2	467.7	468.2	468.8	467.9
2°	465.0	464.5	464.5	465.4	464.5
3°	458.8	459.3	459.0	459.9	458.4
4°	451.1	450.8	451.7	452.2	450.8
5°	442.4	441.5	441.3	442.4	441.0
6°	430.5	429.9	429.4	430.8	428.9
7°	417.8	417.3	416.6	417.1	415.7
8°	402.1	401.8	401.4	401.8	400.2
9°	384.5	384.5	385.4	385.2	384.3
10°	367.4	367.9	367.4	367.9	366.0
11°	348.3	348.3	348.7	348.5	348.7
12°	331.6	329.8	329.3	328.9	327.5
13°	310.2	308.8	308.4	308.8	308.2
14°	290.6	289.7	287.4	287.9	287.0
15°	268.5	269.4	267.8	267.8	266.2
17.5°	219.5	218.6	219.0	219.3	218.6
20°	174.8	174.4	173.9	173.4	174.1
22.5°	135.8	136.1	135.6	135.2	134.7
25°	103.9	103.7	103.7	103.7	104.2
27.5°	78.9	78.9	78.9	79.1	79.1
30°	59.7	59.3	59.7	59.9	59.9
32.5°	44.7	45.1	45.4	45.4	45.4
35°	34.6	34.4	34.6	34.9	34.9
37.5°	26.4	26.4	26.7	26.7	26.9
40°	20.5	20.5	20.5	20.7	21.0
42.5°	16.2	16.2	16.4	16.4	16.6
45°	13.0	13.0	13.2	13.2	13.2
47.5°	10.5	10.5	10.7	10.7	10.7
50°	8.7	8.7	8.7	8.7	8.7
52.5°	7.3	7.1	7.3	7.3	7.3
55°	5.9	6.2	6.2	6.2	6.2
57.5°	5.0	5.2	5.2	5.2	5.2
60°	4.3	4.3	4.3	4.6	4.6
62.5°	3.6	3.9	3.9	3.9	3.9
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.7	2.7	2.7	2.7	3.0
70°	2.3	2.3	2.5	2.5	2.5
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.4	1.4	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307641

CATALOG NUMBER: LDSQA3D02R309027DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)