

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: P1311059

Luminaire Tested: LDSQA3D02R609040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

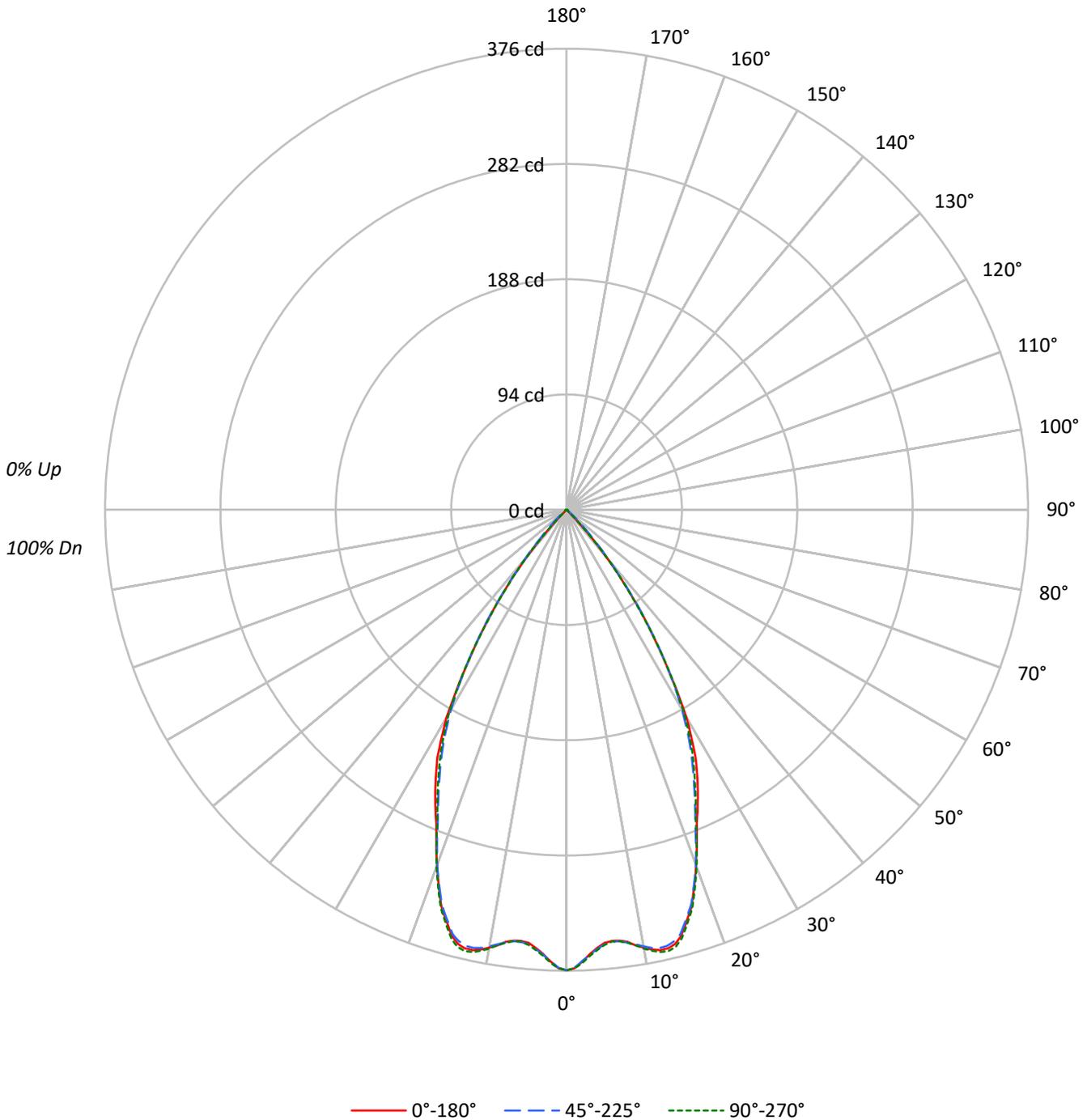
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 335.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64687	64687	64687
5°	61303	61494	61580
10°	63429	63254	63569
15°	64205	63920	64580
20°	56540	56486	56779
25°	48115	46709	47108
30°	38838	37466	38103
35°	24578	24788	24515
40°	11488	11960	11668
45°	706	4214	828
50°	348	991	348
55°	390	390	390
60°	344	344	344
65°	326	408	326
70°	403	403	403
75°	333	333	333
80°	298	298	298
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	10.2
10°-20°	98.6	29.4
20°-30°	113.6	33.9
30°-40°	73.0	21.8
40°-50°	12.7	3.8
50°-60°	1.2	0.4
60°-70°	0.9	0.3
70°-80°	0.5	0.2
80°-90°	0.2	0.1
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°	246.5	73.6
0°-40°	319.4	95.4
0°-60°	333.3	99.5
0°-90°	335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	376	376	376	376	376	
5°	355	355	356	356	356	34
15°	360	359	358	361	362	99
25°	253	250	246	246	248	115
35°	117	116	118	116	117	73
45°	3	9	17	10	3	10
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	375.6	375.6	375.6	375.6	375.6
1°	374.0	373.7	373.5	373.7	374.0
2°	368.8	368.5	368.2	369.3	369.8
3°	363.0	363.3	363.5	364.1	364.3
4°	358.3	358.8	359.1	359.6	359.9
5°	354.6	355.4	355.7	356.4	356.2
6°	353.6	354.1	354.4	354.6	354.1
7°	354.1	354.4	354.6	355.1	354.6
8°	355.9	356.2	356.4	356.7	356.7
9°	359.6	359.1	358.8	359.9	359.6
10°	362.7	362.0	361.7	363.3	363.5
11°	365.4	364.3	364.1	365.9	366.4
12°	367.2	365.6	365.4	367.7	368.8
13°	367.2	365.1	365.1	367.7	369.3
14°	365.1	362.7	362.7	365.6	367.5
15°	360.1	358.8	358.5	360.9	362.2
17.5°	339.2	337.6	337.8	340.5	340.7
20°	308.5	307.7	308.2	308.7	309.8
22.5°	277.3	276.8	273.9	274.7	275.2
25°	253.2	250.3	245.8	246.1	247.9
27.5°	227.8	224.9	218.6	219.9	221.7
30°	195.3	192.9	188.4	189.2	191.6
32.5°	153.3	158.0	153.9	155.2	154.4
35°	116.9	116.1	117.9	115.6	116.6
37.5°	82.3	82.6	83.3	81.2	81.2
40°	51.1	52.4	53.2	52.2	51.9
42.5°	21.5	29.4	30.9	29.4	21.8
45°	2.9	8.6	17.3	10.2	3.4
47.5°	1.3	1.8	9.2	1.8	1.3
50°	1.3	1.3	3.7	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.8	1.0	1.0	1.0	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)