

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: P1318005

Luminaire Tested: LDSQA3D02R709830DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709830DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

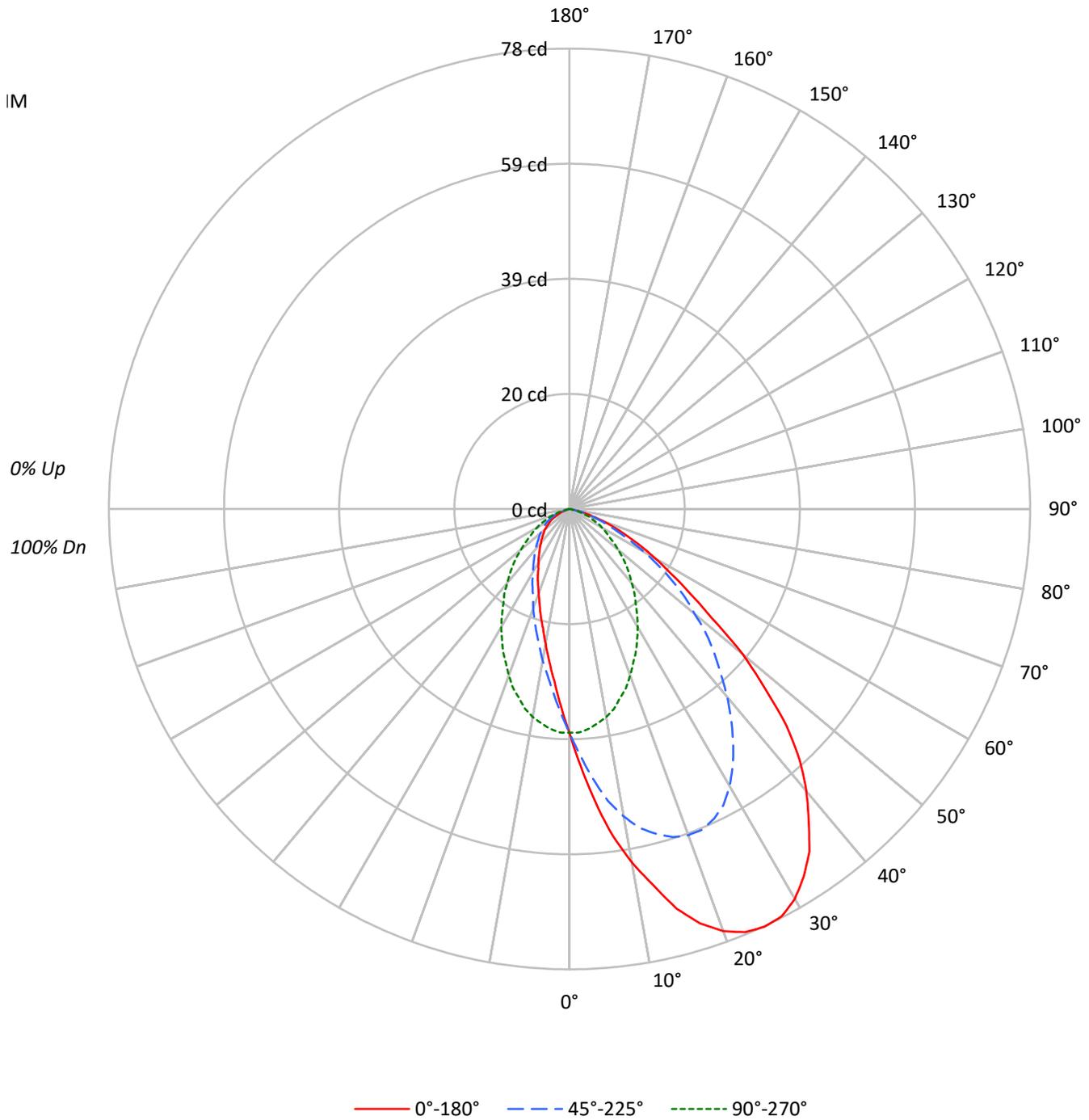
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 85.0 lumens
Efficiency: N/A
Efficacy: 23.6 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6527	6527	6527	6527	6527
5°	8592	7935	6466	5411	5065
10°	10633	9251	6261	4564	4057
15°	12499	10163	5902	3851	3352
20°	13947	10777	5498	3281	2786
25°	14841	11003	5055	2812	2413
30°	15173	10779	4594	2446	2088
35°	14885	10155	4100	2208	1871
40°	14029	9330	3687	2001	1686
45°	12665	8452	3312	1827	1559
50°	10262	7422	2867	1715	1447
55°	7446	6396	2462	1621	1291
60°	5787	5063	2204	1481	1171
65°	4360	3627	1834	1304	856
70°	3072	2618	1360	1007	554
75°	1797	1530	732	466	133
80°	397	496	198	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12665 cd/sqm



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CATALOG NUMBER: LDSQA3D02R709830DE010 3LSQCLSWWR 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	4.4
10°-20°	11.1	13.0
20°-30°	16.6	19.6
30°-40°	18.5	21.8
40°-50°	16.4	19.3
50°-60°	11.1	13.1
60°-70°	5.8	6.9
70°-80°	1.7	2.0
80°-90°	0.1	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°	31.4	36.9
0°-40°	49.9	58.7
0°-60°	77.5	91.1
0°-90°	85.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	85.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	50	46	37	31	29	5
15°	70	57	33	22	19	20
25°	78	58	27	15	13	36
35°	71	48	20	10	9	44
45°	52	35	14	8	6	39
55°	25	21	8	5	4	23
65°	11	9	4	3	2	11
75°	3	2	1	1	0	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	43.6	43.4	43.3	43.3	43.1	42.9	42.5	42.5	42.2	41.8	41.5
5°	49.7	49.7	49.7	49.2	49.2	48.4	48.1	47.4	46.7	45.9	45.0
7.5°	55.8	55.8	55.2	55.1	54.5	53.8	53.3	52.2	50.9	49.9	48.4
10°	60.8	60.8	60.2	59.9	58.8	58.1	57.0	55.8	54.5	52.9	51.1
12.5°	65.2	65.4	64.7	64.0	62.9	61.8	60.4	58.8	57.2	55.4	53.1
15°	70.1	69.9	69.0	68.1	66.9	65.2	63.5	61.3	59.2	57.0	54.5
17.5°	73.6	73.5	72.6	71.5	69.9	67.9	66.0	63.5	61.0	58.3	55.2
20°	76.1	76.0	75.1	73.6	72.0	69.9	67.6	64.7	62.0	58.8	55.4
22.5°	77.6	77.4	76.3	75.1	73.1	70.8	68.3	65.2	62.2	58.8	55.1
25°	78.1	77.8	76.7	75.3	73.3	70.8	67.9	64.7	61.5	57.9	54.0
27.5°	77.8	77.4	76.1	74.5	72.4	69.5	66.7	63.5	60.1	56.5	52.4
30°	76.3	75.8	74.7	73.1	70.8	67.9	64.9	61.5	57.9	54.2	50.1
32.5°	73.8	73.5	72.4	70.6	68.3	65.4	62.4	58.8	55.2	51.5	47.4
35°	70.8	70.1	69.0	67.4	65.1	62.2	59.2	55.4	52.0	48.3	44.3
37.5°	66.5	66.3	65.1	63.8	61.5	58.5	55.6	52.0	48.6	45.0	41.1
40°	62.4	62.0	61.0	59.5	57.2	54.5	51.5	48.3	44.9	41.5	37.9
42.5°	57.7	57.2	56.5	55.1	52.9	50.2	47.4	44.2	41.1	37.9	34.7
45°	52.0	51.8	50.9	50.2	48.3	45.9	43.1	40.2	37.2	34.7	32.2
47.5°	44.7	44.5	44.3	43.8	42.7	41.1	39.0	36.3	34.0	31.5	28.1
50°	38.3	38.1	37.7	37.5	36.6	35.8	34.1	32.5	30.6	27.7	25.0
52.5°	30.4	30.6	31.1	31.3	31.1	30.4	29.7	29.1	26.5	24.7	22.2
55°	24.8	24.8	24.7	24.8	25.0	25.4	25.4	24.7	22.9	21.3	19.1
57.5°	20.4	20.4	20.4	20.4	20.4	20.6	20.6	20.4	19.5	17.9	15.9
60°	16.8	16.6	16.6	16.8	16.6	16.6	16.8	16.8	15.9	14.7	12.9
62.5°	13.6	13.6	13.6	13.4	13.4	13.6	13.6	13.4	12.7	11.4	10.2
65°	10.7	10.7	10.7	10.7	10.7	10.9	10.7	10.5	9.8	8.9	8.0
67.5°	8.2	8.2	8.4	8.2	8.4	8.4	8.4	8.0	7.5	6.8	6.3
70°	6.1	6.1	6.1	6.3	6.4	6.4	6.3	5.9	5.5	5.2	4.6
72.5°	4.1	4.3	4.3	4.3	4.5	4.5	4.3	4.1	3.9	3.6	3.4
75°	2.7	2.5	2.7	2.7	2.9	2.9	2.7	2.7	2.5	2.3	2.1
77.5°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
80°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318005

CATALOG NUMBER: LDSQA3D02R709830DE010 3LSQCLSWWR 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
2.5°	41.1	40.6	39.9	37.9	36.1	34.5	33.6	33.4
5°	44.0	43.3	41.5	37.4	34.0	31.3	29.7	29.3
7.5°	47.0	45.6	43.1	36.6	31.8	28.4	26.6	26.1
10°	49.3	47.5	44.2	35.8	29.7	26.1	24.0	23.2
12.5°	50.9	48.8	45.0	34.7	27.9	23.6	21.5	20.7
15°	51.8	49.5	45.2	33.1	25.7	21.6	19.3	18.8
17.5°	52.2	49.5	44.9	31.8	23.8	19.7	17.5	16.8
20°	52.0	48.8	44.0	30.0	22.0	17.9	15.7	15.2
22.5°	51.3	47.7	42.5	28.2	20.2	16.1	14.3	13.9
25°	50.2	46.3	40.9	26.6	18.6	14.8	13.0	12.7
27.5°	48.4	44.5	38.8	24.8	17.2	13.6	12.0	11.4
30°	46.1	42.4	36.6	23.1	15.7	12.3	10.9	10.5
32.5°	43.6	39.9	34.5	21.3	14.5	11.4	10.0	9.7
35°	40.8	37.2	31.8	19.5	13.2	10.5	9.1	8.9
37.5°	37.9	34.3	29.5	18.1	12.2	9.7	8.4	8.2
40°	34.7	31.8	28.2	16.4	11.3	8.9	7.9	7.5
42.5°	32.7	28.8	24.3	15.0	10.4	8.2	7.2	7.0
45°	28.4	25.6	22.0	13.6	9.5	7.5	6.6	6.4
47.5°	25.6	23.1	19.7	12.2	8.8	7.0	6.1	5.9
50°	22.7	20.4	17.2	10.7	8.0	6.4	5.5	5.4
52.5°	19.8	17.5	14.7	9.5	7.2	5.9	5.0	4.8
55°	17.0	14.8	12.2	8.2	6.4	5.4	4.6	4.3
57.5°	13.9	12.2	10.4	7.3	5.7	4.8	4.1	3.8
60°	11.3	10.2	8.8	6.4	5.0	4.3	3.6	3.4
62.5°	9.1	8.2	7.3	5.5	4.5	3.8	3.2	2.7
65°	7.3	6.8	6.1	4.5	3.8	3.2	2.7	2.1
67.5°	5.7	5.4	4.8	3.8	3.0	2.7	2.0	1.6
70°	4.5	4.1	3.8	2.7	2.3	2.0	1.4	1.1
72.5°	3.2	2.9	2.7	2.0	1.6	1.4	0.9	0.5
75°	2.0	2.0	1.6	1.1	0.9	0.7	0.4	0.2
77.5°	1.1	1.1	0.9	0.5	0.5	0.2	0.0	0.0
80°	0.5	0.4	0.4	0.2	0.2	0.0	0.0	0.0
82.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)