

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: P1314565

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709730DE010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

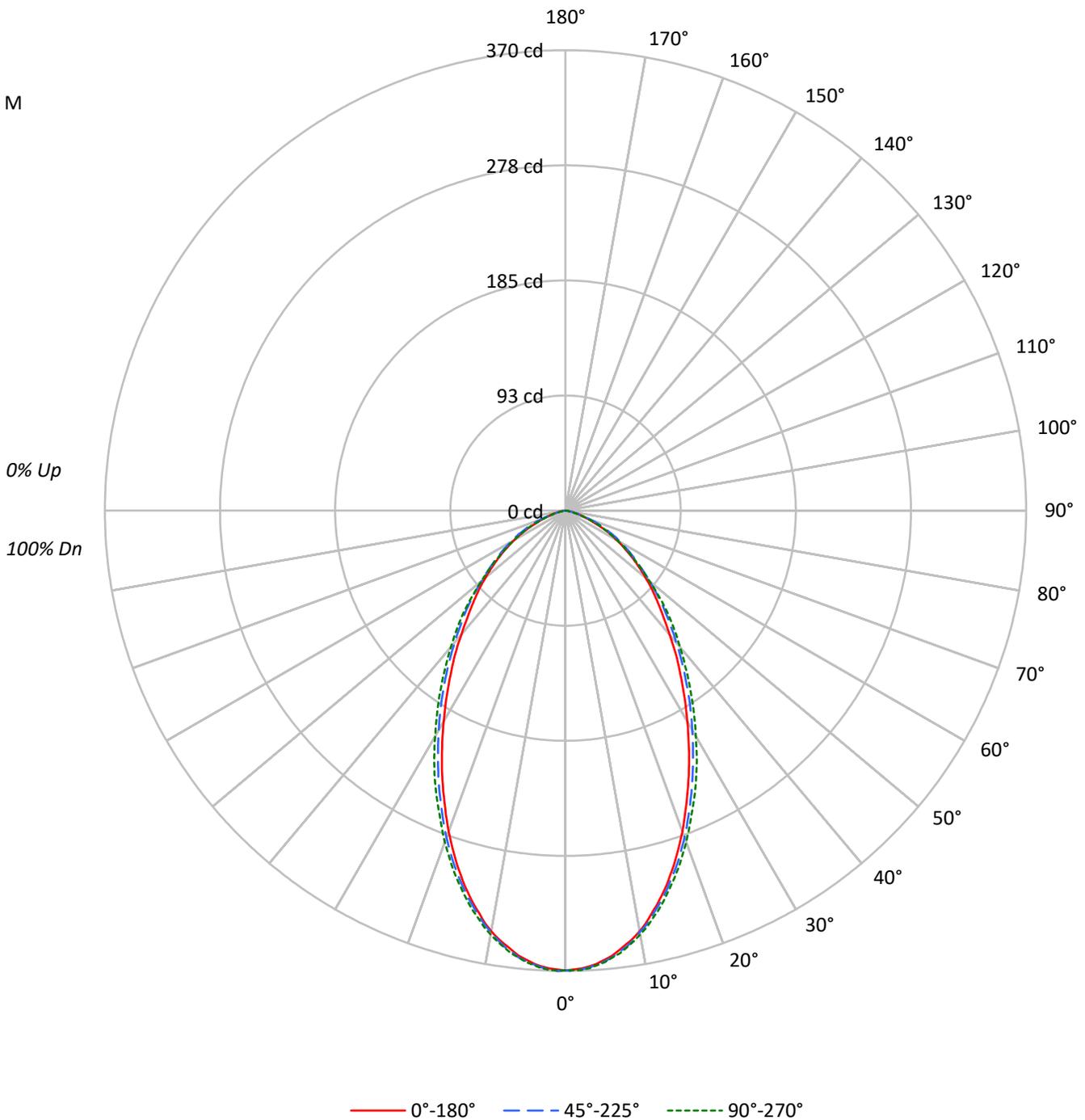
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63636	63636	63636
5°	62635	62859	62980
10°	60036	60141	60491
15°	55700	56164	56645
20°	50291	51244	51959
25°	44523	45777	46899
30°	38898	40469	41642
35°	33807	35594	36709
40°	29227	31138	32172
45°	25574	27327	28131
50°	22506	23551	23551
55°	19517	20508	19907
60°	16499	17636	16740
65°	12837	14711	13366
70°	9265	10927	9265
75°	6987	6521	5257
80°	4562	3273	1289
85°	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 28131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	6.4
10°-20°	87.9	16.6
20°-30°	110.4	20.9
30°-40°	105.4	19.9
40°-50°	85.7	16.2
50°-60°	60.0	11.3
60°-70°	33.9	6.4
70°-80°	10.7	2.0
80°-90°	0.8	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°	232.4	43.9
0°-40°	337.8	63.9
0°-60°	483.5	91.4
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	370	370	370	370	370	
5°	362	363	364	363	364	34
15°	312	313	315	316	318	87
25°	234	237	241	245	247	107
35°	161	163	169	173	175	101
45°	105	108	112	114	116	81
55°	65	66	68	67	66	58
65°	32	34	36	34	33	32
75°	10	10	10	8	8	11
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	369.5	369.5	369.5	369.5	369.5
1°	368.9	369.5	370.2	368.9	369.5
2°	368.2	368.9	368.9	368.2	369.5
3°	366.9	367.6	367.6	366.9	368.2
4°	364.9	365.6	365.6	364.9	366.2
5°	362.3	363.0	363.6	363.0	364.3
6°	359.7	360.3	361.0	360.3	361.0
7°	355.7	357.0	357.0	357.0	358.4
8°	351.8	353.1	353.8	353.1	354.4
9°	347.9	348.5	349.2	349.2	350.5
10°	343.3	343.9	343.9	344.6	345.9
11°	338.0	338.0	339.3	339.3	341.3
12°	331.5	332.1	333.4	334.1	335.4
13°	325.5	326.2	327.5	328.2	330.1
14°	319.0	320.3	321.6	322.3	324.2
15°	312.4	313.1	315.0	315.7	317.7
17.5°	294.0	294.7	298.0	299.3	301.3
20°	274.4	276.3	279.6	281.6	283.5
22.5°	254.0	256.0	259.9	263.2	264.5
25°	234.3	236.9	240.9	244.8	246.8
27.5°	214.6	217.2	221.8	225.8	228.4
30°	195.6	198.2	203.5	206.7	209.4
32.5°	177.9	180.5	186.4	189.7	191.7
35°	160.8	163.4	169.3	172.6	174.6
37.5°	145.7	148.3	153.6	156.9	158.2
40°	130.0	133.2	138.5	141.8	143.1
42.5°	116.8	119.5	124.7	127.3	129.3
45°	105.0	107.6	112.2	114.2	115.5
47.5°	94.5	95.8	99.8	100.4	101.7
50°	84.0	85.3	87.9	88.6	87.9
52.5°	74.2	75.5	77.4	76.8	76.8
55°	65.0	65.6	68.3	66.9	66.3
57.5°	55.8	57.1	59.7	57.8	57.1
60°	47.9	49.2	51.2	49.9	48.6
62.5°	40.0	40.7	44.0	41.3	40.0
65°	31.5	33.5	36.1	34.1	32.8
67.5°	23.6	26.9	29.5	26.9	25.6
70°	18.4	19.7	21.7	20.3	18.4
72.5°	13.8	14.4	15.1	13.8	12.5
75°	10.5	10.5	9.8	8.5	7.9
77.5°	7.2	7.2	5.9	3.9	3.9
80°	4.6	4.6	3.3	1.3	1.3
82.5°	2.0	2.0	1.3	0.7	0.7
85°	0.7	0.7	0.0	0.0	0.0
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)