

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: P1314567

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709730DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

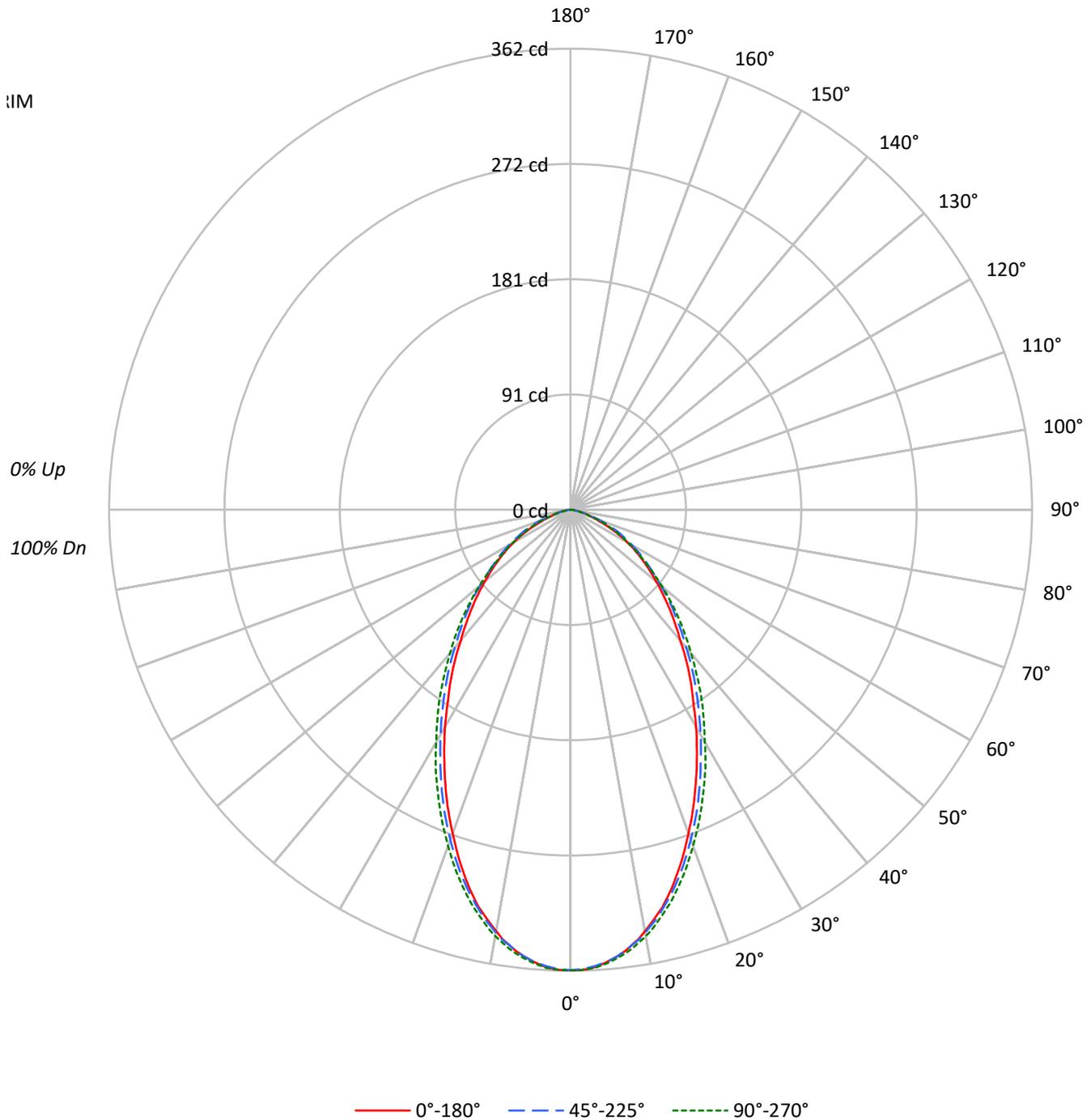
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62276	62276	62276
5°	61390	61390	61615
10°	58759	58987	59459
15°	54773	55237	55932
20°	49558	50529	51482
25°	44276	45530	46766
30°	39157	40588	41901
35°	34501	36015	37529
40°	30103	31722	33049
45°	26694	28131	29105
50°	23551	24784	25159
55°	20688	21889	21289
60°	17842	19220	18324
65°	14181	16586	14996
70°	10222	12891	11229
75°	7852	8318	6987
80°	5256	5256	3868
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 29105 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	6.1
10°-20°	86.6	15.9
20°-30°	110.0	20.3
30°-40°	107.0	19.7
40°-50°	88.9	16.4
50°-60°	64.1	11.8
60°-70°	37.7	6.9
70°-80°	13.4	2.5
80°-90°	2.0	0.4
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°	229.9	42.3
0°-40°	336.8	62.0
0°-60°	489.9	90.2
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	362	362	362	362	362	
5°	355	354	355	355	356	33
15°	307	307	310	312	314	86
25°	233	236	240	244	246	107
35°	164	166	171	176	178	103
45°	110	112	116	118	120	85
55°	69	71	73	72	71	62
65°	35	37	41	39	37	35
75°	12	12	12	11	10	13
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	361.6	361.6	361.6	361.6	361.6
1°	361.6	361.0	361.0	361.0	361.6
2°	361.0	360.3	360.3	360.3	361.0
3°	359.7	359.0	359.0	359.0	360.3
4°	357.7	356.4	357.0	357.0	358.4
5°	355.1	354.4	355.1	355.1	356.4
6°	352.4	351.8	352.4	352.4	353.8
7°	349.2	348.5	349.2	349.8	351.1
8°	345.2	344.6	345.2	345.9	347.8
9°	341.3	340.6	341.9	342.6	343.9
10°	336.0	336.0	337.3	338.0	340.0
11°	330.8	330.8	332.1	333.4	335.4
12°	325.5	325.5	327.5	328.8	330.1
13°	320.3	319.6	321.6	322.9	324.9
14°	313.7	313.1	315.7	317.7	319.6
15°	307.2	307.2	309.8	311.8	313.7
17.5°	289.4	290.1	293.4	296.0	298.0
20°	270.4	272.4	275.7	278.9	280.9
22.5°	252.0	253.3	257.9	261.9	263.8
25°	233.0	235.6	239.6	244.2	246.1
27.5°	214.6	217.2	221.2	225.8	229.1
30°	196.9	198.9	204.1	208.7	210.7
32.5°	179.2	181.8	187.1	191.6	194.3
35°	164.1	166.0	171.3	175.9	178.5
37.5°	149.0	151.0	156.2	160.1	162.1
40°	133.9	137.2	141.1	145.0	147.0
42.5°	121.4	124.0	128.0	131.3	133.2
45°	109.6	111.6	115.5	118.1	119.5
47.5°	98.4	100.4	104.4	105.7	106.3
50°	87.9	89.9	92.5	93.2	93.9
52.5°	78.1	79.4	82.0	82.0	81.4
55°	68.9	70.9	72.9	72.2	70.9
57.5°	60.4	61.0	64.3	63.0	61.7
60°	51.8	53.2	55.8	54.5	53.2
62.5°	43.3	44.6	47.9	46.6	44.6
65°	34.8	37.4	40.7	38.7	36.8
67.5°	26.3	29.5	32.8	30.8	29.5
70°	20.3	23.0	25.6	23.6	22.3
72.5°	15.8	17.1	18.4	17.1	15.8
75°	11.8	12.5	12.5	11.2	10.5
77.5°	8.5	9.2	7.9	6.6	6.6
80°	5.3	5.9	5.3	3.9	3.9
82.5°	2.6	3.3	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.7	0.7	0.7	0.7	0.7



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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)