

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: P1327346

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCLSWWR 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R70W2N902765DE010 3LSQCLSWWR 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

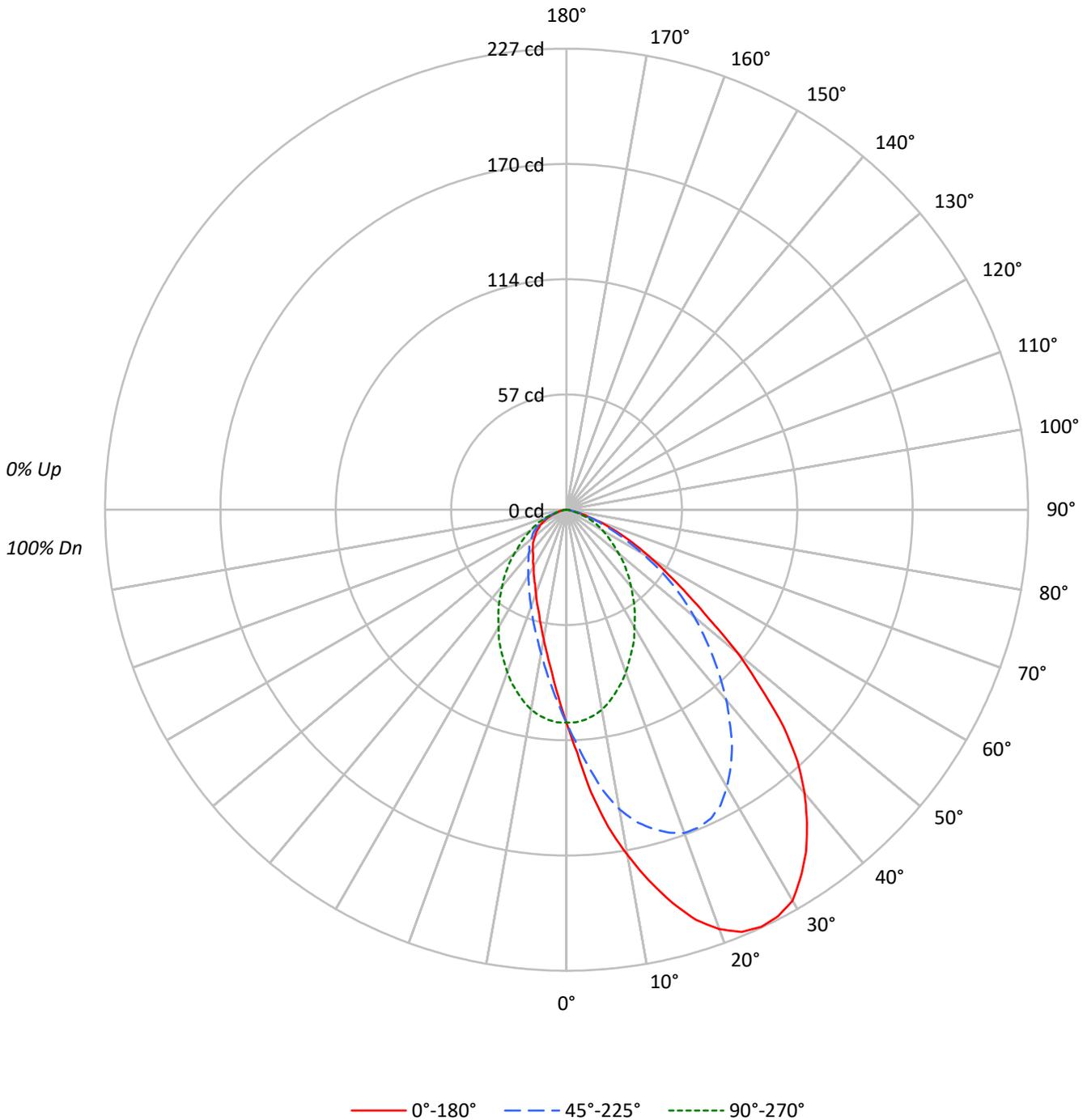
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 256.0 lumens
Efficiency: N/A
Efficacy: 28.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 9
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

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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	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18049	18049	18049	18049	18049
5°	24169	22060	17945	15006	14003
10°	30184	26197	17488	12591	11297
15°	35677	28973	16617	10751	9343
20°	40266	31047	15615	9310	8046
25°	43060	31886	14480	8247	7145
30°	44208	31361	13264	7477	6423
35°	43184	29834	12236	6896	6013
40°	40940	27496	11061	6542	5823
45°	36753	24746	10059	6308	5675
50°	29499	21997	8922	6109	5385
55°	21769	18916	7957	6035	5255
60°	16774	14777	7096	5821	5098
65°	12714	11003	6276	5379	4523
70°	8510	7755	4784	4784	3726
75°	4591	4591	3194	3194	2795
80°	1091	2083	1587	2083	2579
85°	0	988	988	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	4.0
10°-20°	31.4	12.3
20°-30°	48.4	18.9
30°-40°	55.0	21.5
40°-50°	49.7	19.4
50°-60°	34.8	13.6
60°-70°	19.1	7.5
70°-80°	6.4	2.5
80°-90°	0.8	0.3
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°	90.2	35.2
0°-40°	145.1	56.7
0°-60°	229.7	89.7
0°-90°	256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	256.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	140	128	104	87	81	14
15°	200	162	93	60	52	57
25°	227	168	76	43	38	104
35°	205	142	58	33	29	128
45°	151	102	41	26	23	114
55°	72	63	26	20	18	67
65°	31	27	15	13	11	31
75°	7	7	5	5	4	8
85°	0	0	0	1	1	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°	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8
2.5°	119.6	120.7	121.2	120.2	119.6	119.1	118.0	117.5	116.5	115.4	114.9
5°	139.8	139.8	139.8	138.7	137.1	136.0	133.9	132.3	129.7	127.6	125.5
7.5°	157.7	157.7	157.2	155.6	154.6	151.9	149.3	147.2	142.9	139.8	135.5
10°	172.6	172.6	172.0	169.4	167.8	164.6	162.0	158.3	154.0	149.8	145.0
12.5°	186.9	186.9	184.7	182.6	179.5	175.2	171.5	167.8	162.0	157.2	151.4
15°	200.1	200.1	199.0	195.3	191.1	186.3	181.0	175.7	168.9	162.5	156.2
17.5°	211.7	211.2	209.6	205.4	201.2	195.3	189.0	182.6	174.2	166.7	158.8
20°	219.7	219.7	217.6	212.8	208.0	201.7	194.8	187.4	178.4	169.4	159.9
22.5°	225.0	224.4	222.3	217.6	211.7	205.4	197.5	189.5	179.5	169.4	159.3
25°	226.6	226.0	223.9	218.6	212.8	205.9	197.5	189.0	178.4	167.8	156.7
27.5°	225.5	225.0	222.9	217.0	211.2	203.3	194.8	185.8	175.2	164.1	153.0
30°	222.3	220.7	218.6	213.3	207.0	199.0	190.0	180.0	169.4	157.7	146.6
32.5°	214.4	214.4	211.7	206.5	200.1	191.6	182.6	173.1	161.5	150.3	138.7
35°	205.4	204.9	202.7	196.9	191.1	183.2	174.2	164.1	153.0	141.9	130.8
37.5°	194.3	193.7	191.6	186.3	180.0	172.6	163.0	153.5	142.9	131.8	121.8
40°	182.1	181.0	178.4	174.2	168.9	160.4	151.9	142.4	132.3	122.3	112.2
42.5°	168.3	167.3	165.2	162.0	155.6	148.2	140.3	131.3	121.8	111.7	104.3
45°	150.9	150.9	149.8	146.6	141.9	136.0	127.6	119.6	110.6	101.6	93.7
47.5°	129.2	130.2	129.7	128.1	126.0	120.7	114.9	108.0	99.5	91.6	84.2
50°	110.1	110.6	111.2	110.1	108.5	104.8	101.1	96.9	89.5	82.1	75.2
52.5°	88.4	90.0	90.0	90.5	90.5	89.5	88.4	83.6	79.9	72.5	66.2
55°	72.5	72.5	72.5	73.6	74.1	74.6	73.6	72.5	68.3	63.0	57.2
57.5°	59.3	59.3	60.3	59.8	59.8	60.9	60.9	60.3	57.7	52.9	47.6
60°	48.7	48.7	48.7	48.7	49.2	49.2	49.2	49.2	47.1	42.9	38.6
62.5°	39.2	39.2	39.2	39.7	39.7	39.7	40.2	39.7	37.6	34.4	30.7
65°	31.2	30.7	31.2	31.2	31.8	31.8	31.8	31.2	29.1	27.0	24.4
67.5°	23.3	23.8	23.8	23.8	24.4	24.9	24.4	23.8	22.2	20.1	19.1
70°	16.9	17.5	17.5	17.5	18.0	18.5	18.0	17.5	16.4	15.4	14.3
72.5°	11.1	11.6	11.6	12.2	12.7	12.7	12.2	12.2	11.6	10.6	10.1
75°	6.9	6.9	7.4	7.4	7.9	7.9	7.9	7.4	7.4	6.9	6.9
77.5°	3.2	3.2	3.7	3.7	3.7	4.2	4.2	4.2	4.2	4.2	3.7
80°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.1	2.1	2.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	104.8	104.8	104.8	104.8	104.8	104.8	104.8	104.8
2.5°	113.8	112.2	110.1	104.8	99.5	95.3	92.6	92.1
5°	122.8	120.2	115.4	103.8	94.2	86.8	82.6	81.0
7.5°	131.8	127.0	120.2	102.2	87.9	78.9	74.1	72.0
10°	139.2	133.4	124.4	100.0	82.6	72.0	66.2	64.6
12.5°	145.0	138.2	127.0	96.9	77.3	65.6	59.8	58.2
15°	148.8	141.3	128.6	93.2	72.0	60.3	54.5	52.4
17.5°	150.3	141.3	128.1	89.5	67.2	55.6	49.8	48.2
20°	150.3	140.3	126.5	85.2	62.5	50.8	45.5	43.9
22.5°	148.8	138.2	122.8	80.5	58.2	47.1	41.8	40.2
25°	145.6	133.9	118.6	76.2	54.0	43.4	38.6	37.6
27.5°	140.8	129.2	113.3	72.0	50.3	40.2	36.0	34.9
30°	135.0	123.3	107.5	66.7	46.6	37.6	33.9	32.3
32.5°	127.6	116.5	101.1	62.5	43.4	34.9	31.8	30.7
35°	119.6	109.6	94.2	58.2	40.2	32.8	29.6	28.6
37.5°	111.7	101.1	88.4	53.5	37.6	30.7	28.1	27.0
40°	103.2	95.3	82.1	49.2	35.5	29.1	26.5	25.9
42.5°	94.8	86.3	73.1	45.5	32.8	27.0	24.9	24.4
45°	84.7	76.8	66.2	41.3	30.7	25.9	23.8	23.3
47.5°	76.2	68.8	59.3	37.6	28.6	24.4	22.2	21.7
50°	68.3	60.9	51.9	33.3	26.5	22.8	21.2	20.1
52.5°	59.3	52.9	45.0	29.6	24.4	21.2	19.6	19.1
55°	51.3	45.0	37.6	26.5	22.2	20.1	18.0	17.5
57.5°	42.3	37.1	31.8	23.3	20.1	18.0	16.9	15.9
60°	34.4	30.7	27.0	20.6	18.0	16.9	15.4	14.8
62.5°	28.1	25.4	22.8	18.0	15.9	14.8	13.8	12.7
65°	22.2	20.6	18.5	15.4	13.8	13.2	12.2	11.1
67.5°	17.5	16.4	14.8	12.2	11.6	11.1	10.1	9.0
70°	13.2	12.7	11.6	9.5	9.0	9.5	8.5	7.4
72.5°	9.5	9.0	8.5	6.9	6.9	6.9	6.4	5.3
75°	6.4	5.8	5.3	4.8	4.8	4.8	4.8	4.2
77.5°	3.7	3.7	3.2	2.6	3.2	3.2	3.7	3.7
80°	1.6	1.6	1.6	1.6	2.1	2.1	2.6	2.6
82.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)