

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: P1325744

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325744
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: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

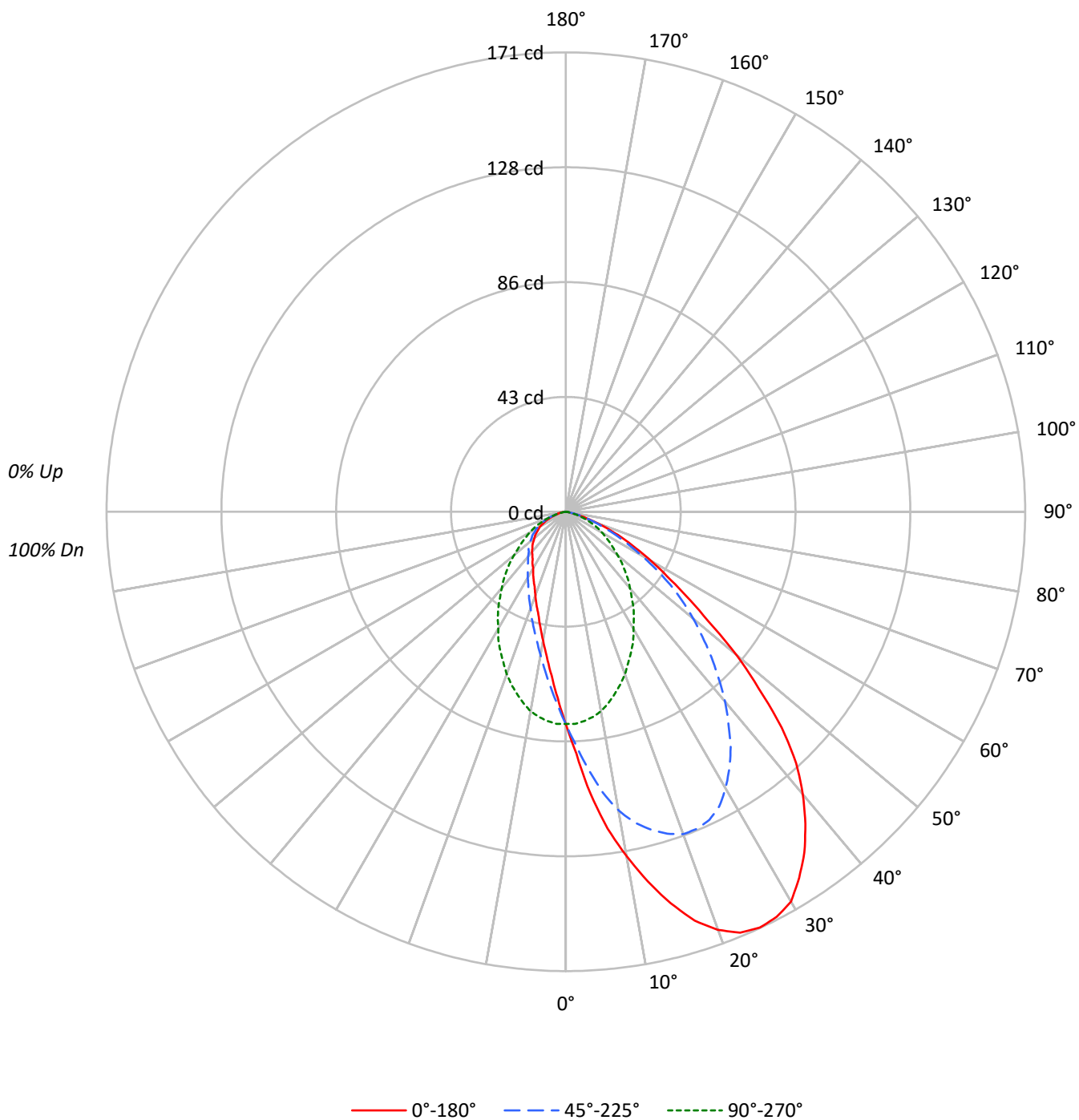
Lumens per Lamp: N/A
Luminaire Lumens: 193.0 lumens
Efficiency: N/A
Efficacy: 32.7 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13606	13606	13606	13606	13606
5°	18222	16631	13519	11324	10563
10°	22752	19744	13186	9496	8517
15°	26905	21842	12517	8113	7043
20°	30350	23404	11785	7019	6066
25°	32457	24038	10927	6214	5378
30°	33330	23645	10003	5628	4832
35°	32546	22496	9230	5193	4541
40°	30868	20728	8341	4924	4406
45°	27693	18657	7575	4774	4287
50°	22238	16585	6725	4608	4073
55°	16424	14262	6005	4564	3963
60°	12641	11126	5373	4409	3858
65°	9577	8313	4727	4075	3423
70°	6445	5841	3626	3626	2820
75°	3460	3460	2396	2396	2129
80°	793	1587	1190	1587	1984
85°	0	790	790	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27693 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	4.0
10°-20°	23.7	12.3
20°-30°	36.5	18.9
30°-40°	41.4	21.5
40°-50°	37.5	19.4
50°-60°	26.2	13.6
60°-70°	14.4	7.5
70°-80°	4.8	2.5
80°-90°	0.6	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°	68.0	35.2
0°-40°	109.4	56.7
0°-60°	173.1	89.7
0°-90°	193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	193.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	105	96	78	66	61	11
15°	151	122	70	46	40	43
25°	171	126	58	33	28	78
35°	155	107	44	25	22	96
45°	114	77	31	20	18	86
55°	55	48	20	15	13	50
65°	24	20	12	10	8	24
75°	5	5	4	4	3	6
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°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	90.2	91.0	91.4	90.6	90.2	89.8	89.0	88.6	87.8	87.0	86.6
5°	105.4	105.4	105.4	104.6	103.4	102.6	101.0	99.8	97.8	96.2	94.6
7.5°	118.9	118.9	118.5	117.3	116.5	114.5	112.5	110.9	107.8	105.4	102.2
10°	130.1	130.1	129.7	127.7	126.5	124.1	122.1	119.3	116.1	112.9	109.4
12.5°	140.9	140.9	139.3	137.7	135.3	132.1	129.3	126.5	122.1	118.5	114.1
15°	150.9	150.9	150.1	147.3	144.1	140.5	136.5	132.5	127.3	122.5	117.7
17.5°	159.6	159.2	158.0	154.8	151.7	147.3	142.5	137.7	131.3	125.7	119.7
20°	165.6	165.6	164.0	160.4	156.8	152.1	146.9	141.3	134.5	127.7	120.5
22.5°	169.6	169.2	167.6	164.0	159.6	154.8	148.9	142.9	135.3	127.7	120.1
25°	170.8	170.4	168.8	164.8	160.4	155.2	148.9	142.5	134.5	126.5	118.1
27.5°	170.0	169.6	168.0	163.6	159.2	153.3	146.9	140.1	132.1	123.7	115.3
30°	167.6	166.4	164.8	160.8	156.0	150.1	143.3	135.7	127.7	118.9	110.5
32.5°	161.6	161.6	159.6	155.6	150.9	144.5	137.7	130.5	121.7	113.3	104.6
35°	154.8	154.4	152.9	148.5	144.1	138.1	131.3	123.7	115.3	107.0	98.6
37.5°	146.5	146.1	144.5	140.5	135.7	130.1	122.9	115.7	107.8	99.4	91.8
40°	137.3	136.5	134.5	131.3	127.3	120.9	114.5	107.4	99.8	92.2	84.6
42.5°	126.9	126.1	124.5	122.1	117.3	111.7	105.8	99.0	91.8	84.2	78.6
45°	113.7	113.7	112.9	110.5	107.0	102.6	96.2	90.2	83.4	76.6	70.6
47.5°	97.4	98.2	97.8	96.6	95.0	91.0	86.6	81.4	75.0	69.0	63.5
50°	83.0	83.4	83.8	83.0	81.8	79.0	76.2	73.0	67.4	61.9	56.7
52.5°	66.6	67.8	67.8	68.2	68.2	67.4	66.6	63.1	60.3	54.7	49.9
55°	54.7	54.7	54.7	55.5	55.9	56.3	55.5	54.7	51.5	47.5	43.1
57.5°	44.7	44.7	45.5	45.1	45.1	45.9	45.9	45.5	43.5	39.9	35.9
60°	36.7	36.7	36.7	36.7	37.1	37.1	37.1	37.1	35.5	32.3	29.1
62.5°	29.5	29.5	29.5	29.9	29.9	29.9	30.3	29.9	28.3	25.9	23.1
65°	23.5	23.1	23.5	23.5	23.9	23.9	23.9	23.5	21.9	20.4	18.4
67.5°	17.6	18.0	18.0	18.0	18.4	18.8	18.4	18.0	16.8	15.2	14.4
70°	12.8	13.2	13.2	13.2	13.6	14.0	13.6	13.2	12.4	11.6	10.8
72.5°	8.4	8.8	8.8	9.2	9.6	9.6	9.2	9.2	8.8	8.0	7.6
75°	5.2	5.2	5.6	5.6	6.0	6.0	6.0	5.6	5.6	5.2	5.2
77.5°	2.4	2.4	2.8	2.8	2.8	3.2	3.2	3.2	3.2	3.2	2.8
80°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.6	1.6	1.6
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
2.5°	85.8	84.6	83.0	79.0	75.0	71.8	69.8	69.4
5°	92.6	90.6	87.0	78.2	71.0	65.5	62.3	61.1
7.5°	99.4	95.8	90.6	77.0	66.2	59.5	55.9	54.3
10°	105.0	100.6	93.8	75.4	62.3	54.3	49.9	48.7
12.5°	109.4	104.2	95.8	73.0	58.3	49.5	45.1	43.9
15°	112.1	106.6	97.0	70.2	54.3	45.5	41.1	39.5
17.5°	113.3	106.6	96.6	67.4	50.7	41.9	37.5	36.3
20°	113.3	105.8	95.4	64.3	47.1	38.3	34.3	33.1
22.5°	112.1	104.2	92.6	60.7	43.9	35.5	31.5	30.3
25°	109.7	101.0	89.4	57.5	40.7	32.7	29.1	28.3
27.5°	106.2	97.4	85.4	54.3	37.9	30.3	27.1	26.3
30°	101.8	93.0	81.0	50.3	35.1	28.3	25.5	24.3
32.5°	96.2	87.8	76.2	47.1	32.7	26.3	23.9	23.1
35°	90.2	82.6	71.0	43.9	30.3	24.7	22.3	21.6
37.5°	84.2	76.2	66.6	40.3	28.3	23.1	21.2	20.4
40°	77.8	71.8	61.9	37.1	26.7	21.9	20.0	19.6
42.5°	71.4	65.1	55.1	34.3	24.7	20.4	18.8	18.4
45°	63.9	57.9	49.9	31.1	23.1	19.6	18.0	17.6
47.5°	57.5	51.9	44.7	28.3	21.6	18.4	16.8	16.4
50°	51.5	45.9	39.1	25.1	20.0	17.2	16.0	15.2
52.5°	44.7	39.9	33.9	22.3	18.4	16.0	14.8	14.4
55°	38.7	33.9	28.3	20.0	16.8	15.2	13.6	13.2
57.5°	31.9	27.9	23.9	17.6	15.2	13.6	12.8	12.0
60°	25.9	23.1	20.4	15.6	13.6	12.8	11.6	11.2
62.5°	21.2	19.2	17.2	13.6	12.0	11.2	10.4	9.6
65°	16.8	15.6	14.0	11.6	10.4	10.0	9.2	8.4
67.5°	13.2	12.4	11.2	9.2	8.8	8.4	7.6	6.8
70°	10.0	9.6	8.8	7.2	6.8	7.2	6.4	5.6
72.5°	7.2	6.8	6.4	5.2	5.2	5.2	4.8	4.0
75°	4.8	4.4	4.0	3.6	3.6	3.6	3.6	3.2
77.5°	2.8	2.8	2.4	2.0	2.4	2.4	2.8	2.8
80°	1.2	1.2	1.2	1.2	1.6	1.6	2.0	2.0
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)