

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: P1325645

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLSWWR 1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325645
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: LDSQA3D05R70W2N902750DE010 3LSQCLSWWR 1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCLSWWR 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

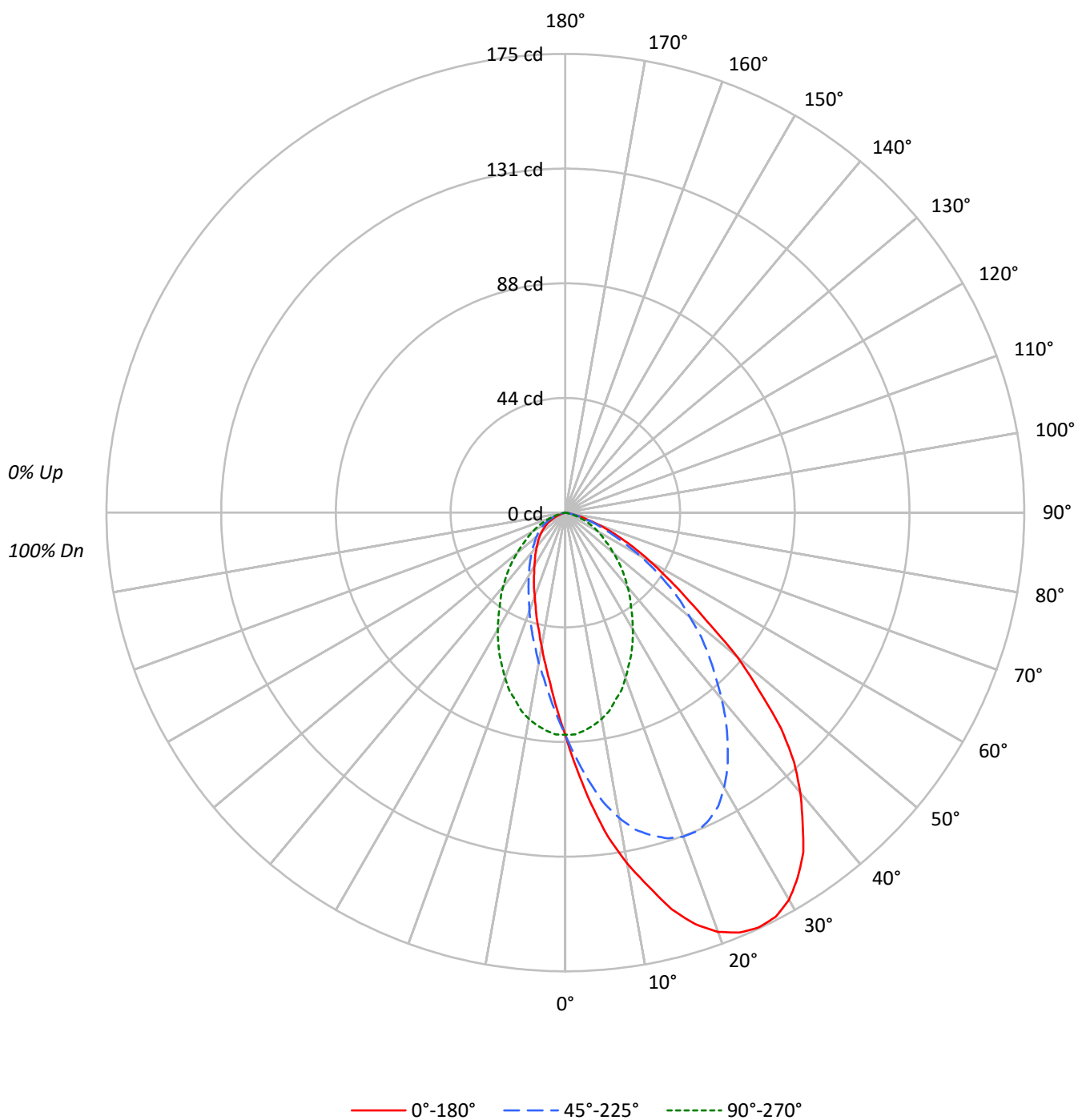
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14587	14587	14587	14587	14587
5°	19207	17755	14436	12084	11324
10°	23766	20688	13973	10195	9076
15°	27921	22733	13176	8612	7489
20°	31193	24101	12298	7331	6231
25°	33179	24608	11307	6309	5397
30°	33926	24083	10242	5489	4693
35°	33261	22685	9167	4962	4205
40°	31340	20841	8273	4496	3777
45°	28326	18876	7404	4092	3507
50°	22908	16585	6430	3858	3215
55°	16664	14262	5525	3603	2883
60°	12951	11298	4960	3307	2618
65°	9780	8150	4075	2934	1956
70°	6848	5841	3021	2216	1209
75°	3993	3460	1597	1065	266
80°	793	1190	397	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	4.4
10°-20°	24.7	13.0
20°-30°	37.2	19.6
30°-40°	41.4	21.8
40°-50°	36.7	19.3
50°-60°	24.9	13.1
60°-70°	13.1	6.9
70°-80°	3.7	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°	70.2	36.9
0°-40°	111.6	58.7
0°-60°	173.2	91.1
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	85	85	85	85	85	
5°	111	103	84	70	66	11
15°	157	128	74	48	42	44
25°	175	130	60	33	28	80
35°	158	108	44	24	20	98
45°	116	78	30	17	14	88
55°	56	48	18	12	10	51
65°	24	20	10	7	5	24
75°	6	5	2	2	0	7
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°	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2.5°	97.5	97.1	96.7	96.7	96.3	95.9	95.1	95.1	94.3	93.5	92.7
5°	111.1	111.1	111.1	109.9	109.9	108.3	107.5	105.9	104.3	102.7	100.7
7.5°	124.7	124.7	123.5	123.1	121.9	120.3	119.1	116.7	113.9	111.5	108.3
10°	135.9	135.9	134.7	133.9	131.5	129.9	127.5	124.7	121.9	118.3	114.3
12.5°	145.8	146.2	144.6	143.0	140.6	138.3	135.1	131.5	127.9	123.9	118.7
15°	156.6	156.2	154.2	152.2	149.4	145.8	141.8	137.1	132.3	127.5	121.9
17.5°	164.6	164.2	162.2	159.8	156.2	151.8	147.4	141.8	136.3	130.3	123.5
20°	170.2	169.8	167.8	164.6	161.0	156.2	151.0	144.6	138.6	131.5	123.9
22.5°	173.4	173.0	170.6	167.8	163.4	158.2	152.6	145.8	139.0	131.5	123.1
25°	174.6	173.8	171.4	168.2	163.8	158.2	151.8	144.6	137.5	129.5	120.7
27.5°	173.8	173.0	170.2	166.6	161.8	155.4	149.0	141.8	134.3	126.3	117.1
30°	170.6	169.4	167.0	163.4	158.2	151.8	145.0	137.5	129.5	121.1	111.9
32.5°	165.0	164.2	161.8	157.8	152.6	146.2	139.4	131.5	123.5	115.1	105.9
35°	158.2	156.6	154.2	150.6	145.4	139.0	132.3	123.9	116.3	107.9	99.1
37.5°	148.6	148.2	145.4	142.6	137.5	130.7	124.3	116.3	108.7	100.7	91.9
40°	139.4	138.6	136.3	133.1	127.9	121.9	115.1	107.9	100.3	92.7	84.7
42.5°	129.1	127.9	126.3	123.1	118.3	112.3	105.9	98.7	91.9	84.7	77.5
45°	116.3	115.9	113.9	112.3	107.9	102.7	96.3	89.9	83.1	77.5	71.9
47.5°	99.9	99.5	99.1	97.9	95.5	91.9	87.1	81.1	75.9	70.3	62.7
50°	85.5	85.1	84.3	83.9	81.9	79.9	76.3	72.7	68.3	61.9	55.9
52.5°	67.9	68.3	69.5	69.9	69.5	67.9	66.3	65.1	59.1	55.1	49.5
55°	55.5	55.5	55.1	55.5	55.9	56.7	56.7	55.1	51.1	47.5	42.8
57.5°	45.6	45.6	45.6	45.6	45.6	46.0	46.0	45.6	43.6	40.0	35.6
60°	37.6	37.2	37.2	37.6	37.2	37.2	37.6	37.6	35.6	32.8	28.8
62.5°	30.4	30.4	30.4	30.0	30.0	30.4	30.4	30.0	28.4	25.6	22.8
65°	24.0	24.0	24.0	24.0	24.0	24.4	24.0	23.6	22.0	20.0	18.0
67.5°	18.4	18.4	18.8	18.4	18.8	18.8	18.8	18.0	16.8	15.2	14.0
70°	13.6	13.6	13.6	14.0	14.4	14.4	14.0	13.2	12.4	11.6	10.4
72.5°	9.2	9.6	9.6	9.6	10.0	10.0	9.6	9.2	8.8	8.0	7.6
75°	6.0	5.6	6.0	6.0	6.4	6.4	6.0	6.0	5.6	5.2	4.8
77.5°	2.8	2.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.8	2.8
80°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2.5°	91.9	90.7	89.1	84.7	80.7	77.1	75.1	74.7
5°	98.3	96.7	92.7	83.5	75.9	69.9	66.3	65.5
7.5°	105.1	101.9	96.3	81.9	71.1	63.5	59.5	58.3
10°	110.3	106.3	98.7	79.9	66.3	58.3	53.5	51.9
12.5°	113.9	109.1	100.7	77.5	62.3	52.7	47.9	46.3
15°	115.9	110.7	101.1	73.9	57.5	48.3	43.2	42.0
17.5°	116.7	110.7	100.3	71.1	53.1	44.0	39.2	37.6
20°	116.3	109.1	98.3	67.1	49.1	40.0	35.2	34.0
22.5°	114.7	106.7	95.1	63.1	45.2	36.0	32.0	31.2
25°	112.3	103.5	91.5	59.5	41.6	33.2	29.2	28.4
27.5°	108.3	99.5	86.7	55.5	38.4	30.4	26.8	25.6
30°	103.1	94.7	81.9	51.5	35.2	27.6	24.4	23.6
32.5°	97.5	89.1	77.1	47.5	32.4	25.6	22.4	21.6
35°	91.1	83.1	71.1	43.6	29.6	23.6	20.4	20.0
37.5°	84.7	76.7	65.9	40.4	27.2	21.6	18.8	18.4
40°	77.5	71.1	63.1	36.8	25.2	20.0	17.6	16.8
42.5°	73.1	64.3	54.3	33.6	23.2	18.4	16.0	15.6
45°	63.5	57.1	49.1	30.4	21.2	16.8	14.8	14.4
47.5°	57.1	51.5	44.0	27.2	19.6	15.6	13.6	13.2
50°	50.7	45.6	38.4	24.0	18.0	14.4	12.4	12.0
52.5°	44.4	39.2	32.8	21.2	16.0	13.2	11.2	10.8
55°	38.0	33.2	27.2	18.4	14.4	12.0	10.4	9.6
57.5°	31.2	27.2	23.2	16.4	12.8	10.8	9.2	8.4
60°	25.2	22.8	19.6	14.4	11.2	9.6	8.0	7.6
62.5°	20.4	18.4	16.4	12.4	10.0	8.4	7.2	6.0
65°	16.4	15.2	13.6	10.0	8.4	7.2	6.0	4.8
67.5°	12.8	12.0	10.8	8.4	6.8	6.0	4.4	3.6
70°	10.0	9.2	8.4	6.0	5.2	4.4	3.2	2.4
72.5°	7.2	6.4	6.0	4.4	3.6	3.2	2.0	1.2
75°	4.4	4.4	3.6	2.4	2.0	1.6	0.8	0.4
77.5°	2.4	2.4	2.0	1.2	1.2	0.4	0.0	0.0
80°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	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)