

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: P1325637

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

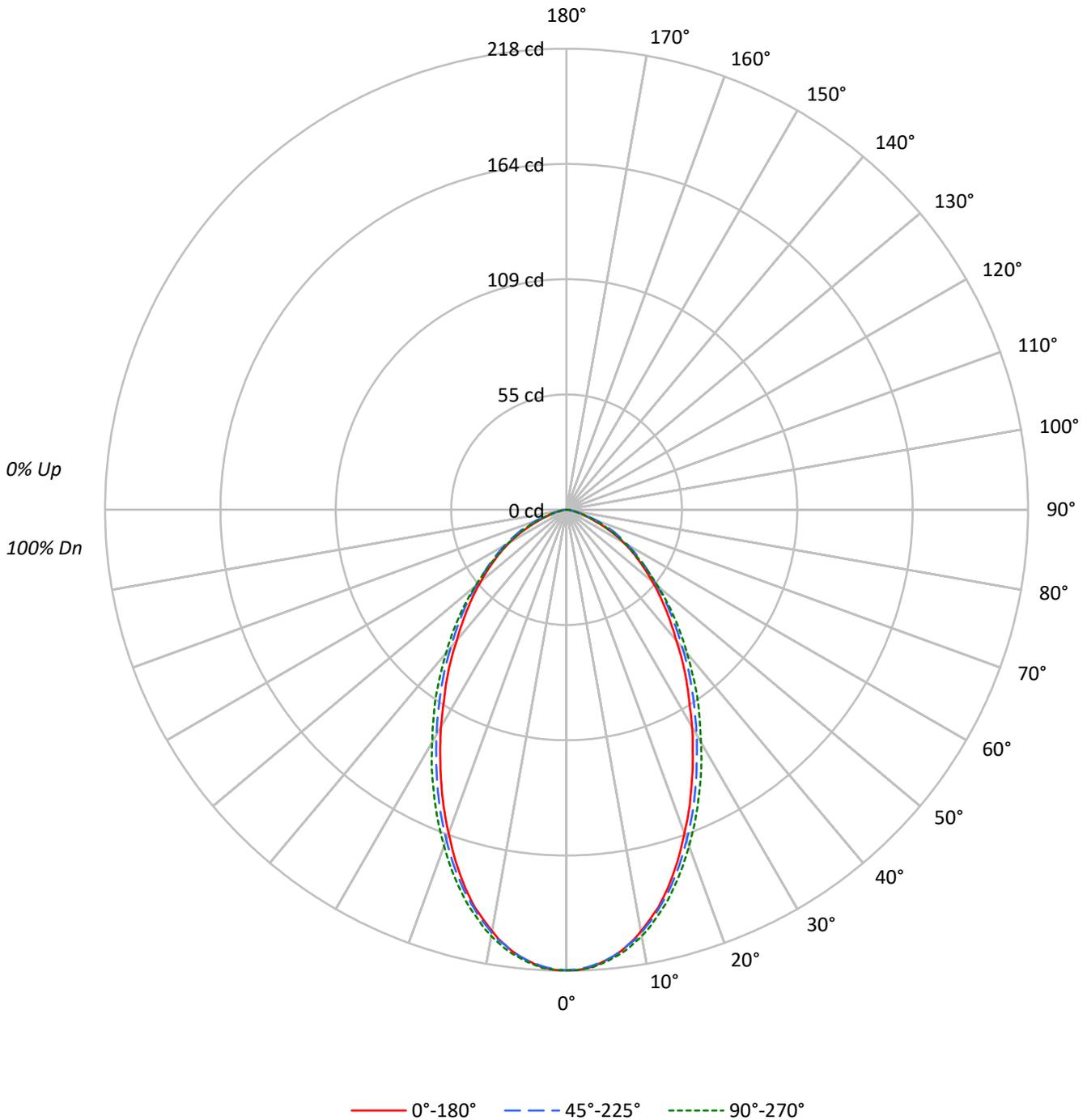
Test Method: LM-79-2019  
Report Number: P1325637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCLDWWR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 327.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 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): 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	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	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	37510	37510	37510
5°	36962	36962	37100
10°	35396	35536	35798
15°	32985	33270	33680
20°	29837	30424	31010
25°	26661	27421	28162
30°	23585	24441	25236
35°	20772	21697	22601
40°	18121	19110	19897
45°	16075	16952	17512
50°	14200	14924	15138
55°	12461	13181	12821
60°	10747	11573	11022
65°	8517	9984	9006
70°	6194	7755	6748
75°	4724	4991	4192
80°	3174	3174	2380
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 17512 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.1	6.1
10°-20°	52.1	15.9
20°-30°	66.2	20.3
30°-40°	64.4	19.7
40°-50°	53.6	16.4
50°-60°	38.6	11.8
60°-70°	22.7	7.0
70°-80°	8.1	2.5
80°-90°	1.2	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°	138.4	42.3
0°-40°	202.8	62.0
0°-60°	295.0	90.2
0°-90°	327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	327.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	214	213	214	214	215	20
15°	185	185	187	188	189	52
25°	140	142	144	147	148	64
35°	99	100	103	106	108	62
45°	66	67	70	71	72	51
55°	42	43	44	44	43	37
65°	21	22	24	23	22	21
75°	7	8	8	7	6	8
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	217.8	217.8	217.8	217.8	217.8
1°	217.8	217.4	217.4	217.4	217.8
2°	217.4	217.0	217.0	217.0	217.4
3°	216.6	216.2	216.2	216.2	217.0
4°	215.4	214.6	215.0	215.0	215.8
5°	213.8	213.4	213.8	213.8	214.6
6°	212.2	211.8	212.2	212.2	213.0
7°	210.3	209.9	210.3	210.7	211.5
8°	207.9	207.5	207.9	208.3	209.5
9°	205.5	205.1	205.9	206.3	207.1
10°	202.4	202.4	203.2	203.5	204.7
11°	199.2	199.2	200.0	200.8	202.0
12°	196.0	196.0	197.2	198.0	198.8
13°	192.9	192.5	193.7	194.5	195.6
14°	188.9	188.5	190.1	191.3	192.5
15°	185.0	185.0	186.6	187.7	188.9
17.5°	174.3	174.7	176.7	178.3	179.4
20°	162.8	164.0	166.0	168.0	169.2
22.5°	151.8	152.6	155.3	157.7	158.9
25°	140.3	141.9	144.3	147.0	148.2
27.5°	129.2	130.8	133.2	136.0	137.9
30°	118.6	119.8	122.9	125.7	126.9
32.5°	107.9	109.5	112.6	115.4	117.0
35°	98.8	100.0	103.2	105.9	107.5
37.5°	89.7	90.9	94.1	96.4	97.6
40°	80.6	82.6	85.0	87.3	88.5
42.5°	73.1	74.7	77.1	79.0	80.2
45°	66.0	67.2	69.6	71.1	71.9
47.5°	59.3	60.5	62.8	63.6	64.0
50°	53.0	54.1	55.7	56.1	56.5
52.5°	47.0	47.8	49.4	49.4	49.0
55°	41.5	42.7	43.9	43.5	42.7
57.5°	36.4	36.8	38.7	37.9	37.2
60°	31.2	32.0	33.6	32.8	32.0
62.5°	26.1	26.9	28.9	28.1	26.9
65°	20.9	22.5	24.5	23.3	22.1
67.5°	15.8	17.8	19.8	18.6	17.8
70°	12.3	13.8	15.4	14.2	13.4
72.5°	9.5	10.3	11.1	10.3	9.5
75°	7.1	7.5	7.5	6.7	6.3
77.5°	5.1	5.5	4.7	4.0	4.0
80°	3.2	3.6	3.2	2.4	2.4
82.5°	1.6	2.0	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4



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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)