

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: P1325634

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

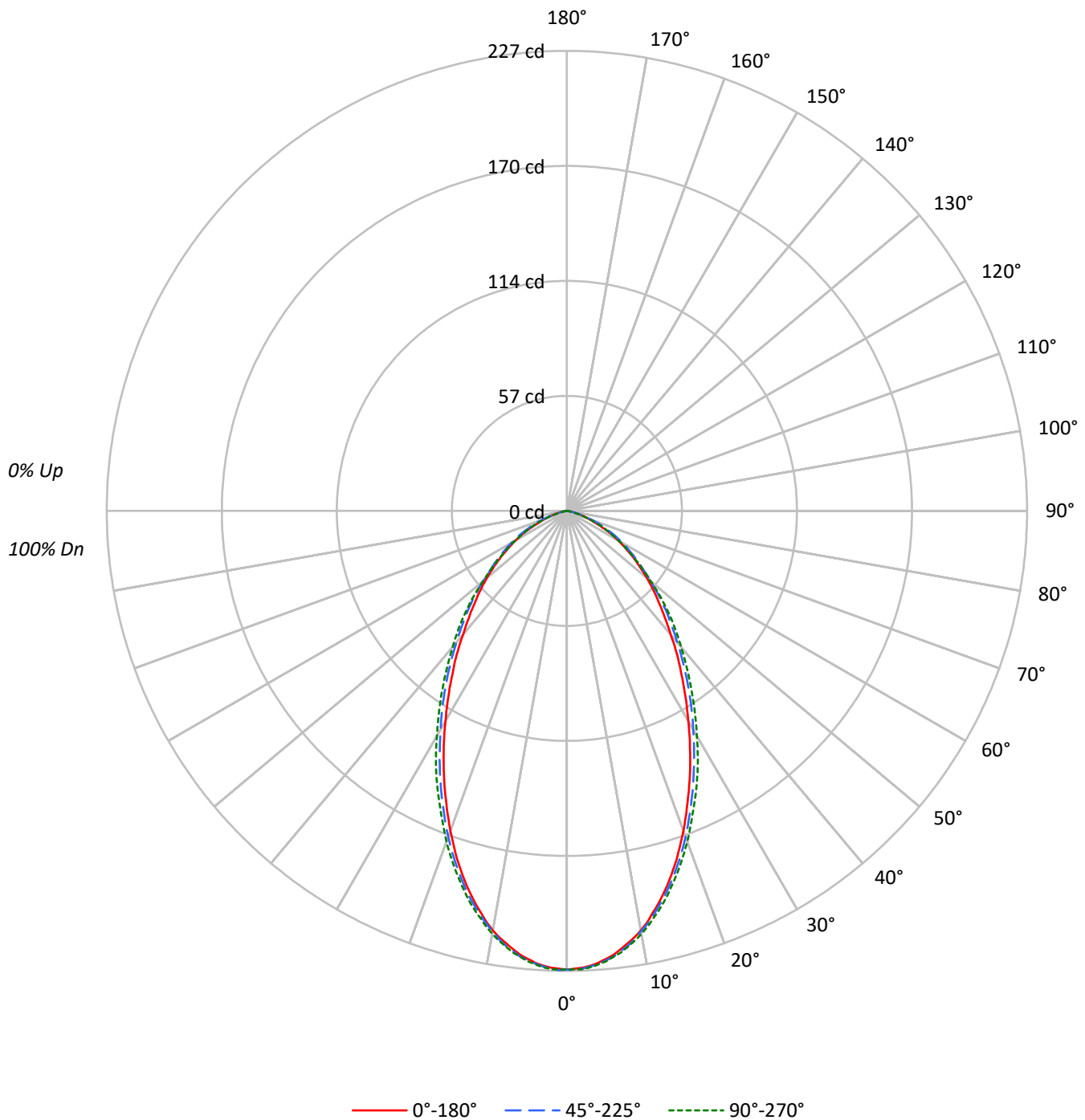
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38974	38974	38974
5°	38362	38500	38570
10°	36760	36830	37057
15°	34108	34412	34697
20°	30790	31377	31835
25°	27269	28029	28713
30°	23824	24779	25495
35°	20709	21802	22475
40°	17896	19065	19694
45°	15661	16733	17244
50°	13798	14441	14441
55°	11950	12551	12191
60°	10092	10816	10230
65°	7865	9006	8191
70°	5690	6697	5690
75°	4259	3993	3194
80°	2777	1984	793
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	6.4
10°-20°	53.9	16.6
20°-30°	67.6	20.9
30°-40°	64.6	19.9
40°-50°	52.5	16.2
50°-60°	36.8	11.3
60°-70°	20.8	6.4
70°-80°	6.6	2.0
80°-90°	0.5	0.2
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°	142.3	43.9
0°-40°	206.9	63.9
0°-60°	296.2	91.4
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	226	226	226	226	226	
5°	222	222	223	222	223	21
15°	191	192	193	193	195	53
25°	144	145	148	150	151	66
35°	98	100	104	106	107	62
45°	64	66	69	70	71	50
55°	40	40	42	41	41	36
65°	19	20	22	21	20	19
75°	6	6	6	5	5	7
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	226.3	226.3	226.3	226.3	226.3
1°	225.9	226.3	226.7	225.9	226.3
2°	225.5	225.9	225.9	225.5	226.3
3°	224.7	225.1	225.1	224.7	225.5
4°	223.5	223.9	223.9	223.5	224.3
5°	221.9	222.3	222.7	222.3	223.1
6°	220.3	220.7	221.1	220.7	221.1
7°	217.9	218.7	218.7	218.7	219.5
8°	215.5	216.3	216.7	216.3	217.1
9°	213.1	213.5	213.9	213.9	214.7
10°	210.2	210.6	210.6	211.0	211.9
11°	207.0	207.0	207.8	207.8	209.0
12°	203.0	203.4	204.2	204.6	205.4
13°	199.4	199.8	200.6	201.0	202.2
14°	195.4	196.2	197.0	197.4	198.6
15°	191.3	191.8	193.0	193.4	194.6
17.5°	180.1	180.5	182.5	183.3	184.5
20°	168.0	169.2	171.2	172.5	173.7
22.5°	155.6	156.8	159.2	161.2	162.0
25°	143.5	145.1	147.5	149.9	151.1
27.5°	131.5	133.1	135.9	138.3	139.9
30°	119.8	121.4	124.6	126.6	128.2
32.5°	108.9	110.5	114.2	116.2	117.4
35°	98.5	100.1	103.7	105.7	106.9
37.5°	89.2	90.9	94.1	96.1	96.9
40°	79.6	81.6	84.8	86.8	87.6
42.5°	71.6	73.2	76.4	78.0	79.2
45°	64.3	65.9	68.7	69.9	70.8
47.5°	57.9	58.7	61.1	61.5	62.3
50°	51.5	52.3	53.9	54.3	53.9
52.5°	45.4	46.2	47.4	47.0	47.0
55°	39.8	40.2	41.8	41.0	40.6
57.5°	34.2	35.0	36.6	35.4	35.0
60°	29.3	30.1	31.4	30.6	29.7
62.5°	24.5	24.9	26.9	25.3	24.5
65°	19.3	20.5	22.1	20.9	20.1
67.5°	14.5	16.5	18.1	16.5	15.7
70°	11.3	12.1	13.3	12.5	11.3
72.5°	8.4	8.8	9.2	8.4	7.6
75°	6.4	6.4	6.0	5.2	4.8
77.5°	4.4	4.4	3.6	2.4	2.4
80°	2.8	2.8	2.0	0.8	0.8
82.5°	1.2	1.2	0.8	0.4	0.4
85°	0.4	0.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)