

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: P1325627

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325627
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 3LSQCLDWWR1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLDWWR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

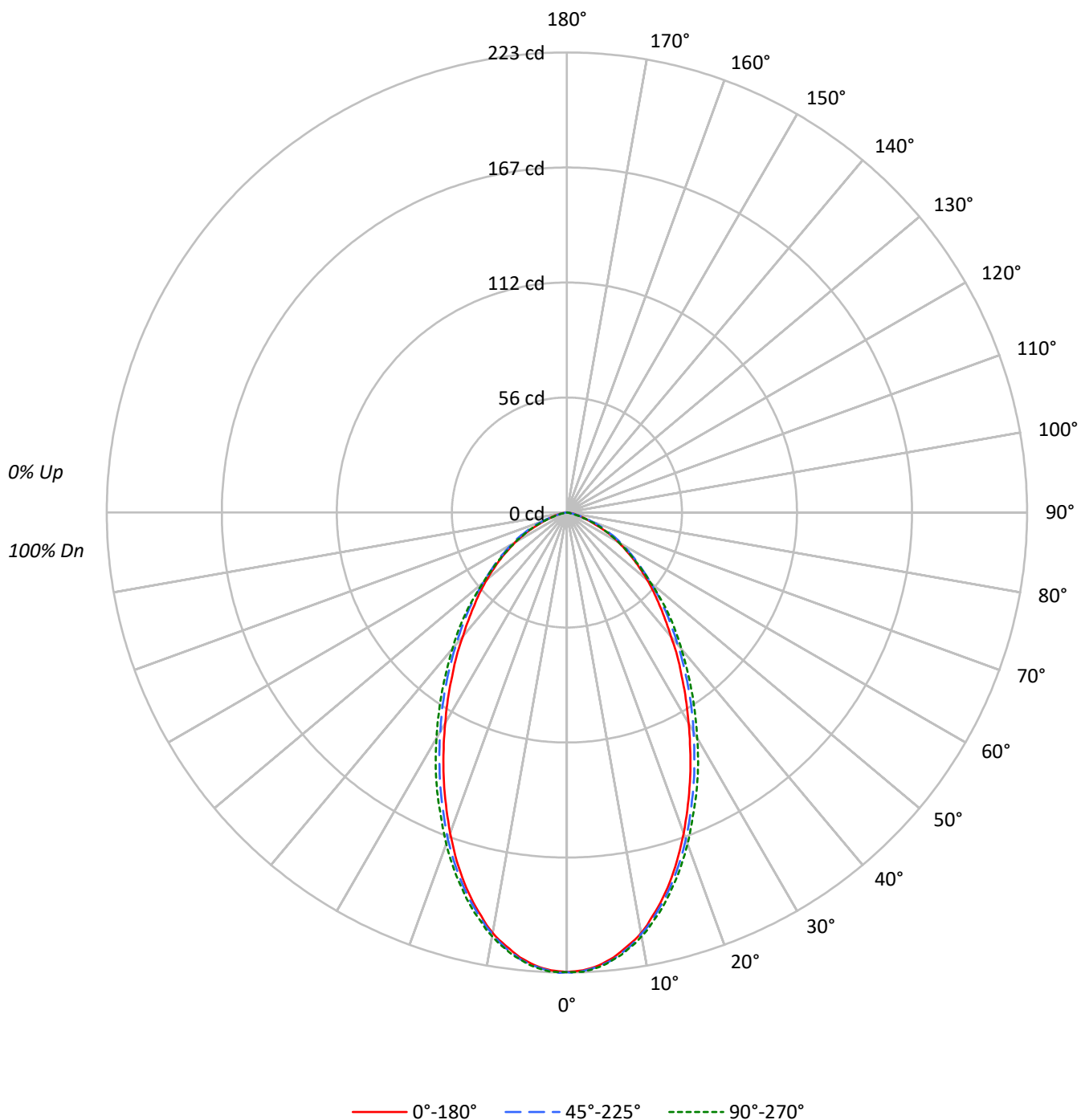
Lumens per Lamp: N/A
Luminaire Lumens: 319.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38371	38371	38371
5°	37774	37913	37982
10°	36200	36270	36480
15°	33591	33877	34162
20°	30314	30900	31340
25°	26851	27611	28276
30°	23446	24401	25117
35°	20394	21466	22139
40°	17626	18773	19402
45°	15417	16489	16976
50°	13584	14200	14200
55°	11770	12371	12010
60°	9954	10643	10092
65°	7743	8884	8069
70°	5589	6596	5589
75°	4192	3926	3127
80°	2777	1984	793
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16976 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	6.4
10°-20°	53.0	16.6
20°-30°	66.6	20.9
30°-40°	63.6	19.9
40°-50°	51.7	16.2
50°-60°	36.2	11.3
60°-70°	20.4	6.4
70°-80°	6.5	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°	140.1	43.9
0°-40°	203.7	63.9
0°-60°	291.6	91.4
0°-90°	319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	223	223	223	223	223	
5°	218	219	219	219	220	20
15°	188	189	190	190	192	53
25°	141	143	145	148	149	65
35°	97	99	102	104	105	61
45°	63	65	68	69	70	49
55°	39	40	41	40	40	35
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°	222.8	222.8	222.8	222.8	222.8
1°	222.4	222.8	223.2	222.4	222.8
2°	222.0	222.4	222.4	222.0	222.8
3°	221.2	221.6	221.6	221.2	222.0
4°	220.1	220.5	220.5	220.1	220.9
5°	218.5	218.9	219.3	218.9	219.7
6°	216.9	217.3	217.7	217.3	217.7
7°	214.5	215.3	215.3	215.3	216.1
8°	212.1	212.9	213.3	212.9	213.7
9°	209.8	210.2	210.6	210.6	211.4
10°	207.0	207.4	207.4	207.8	208.6
11°	203.8	203.8	204.6	204.6	205.8
12°	199.9	200.3	201.1	201.5	202.2
13°	196.3	196.7	197.5	197.9	199.1
14°	192.4	193.1	193.9	194.3	195.5
15°	188.4	188.8	190.0	190.4	191.6
17.5°	177.3	177.7	179.7	180.5	181.7
20°	165.4	166.6	168.6	169.8	171.0
22.5°	153.2	154.4	156.7	158.7	159.5
25°	141.3	142.9	145.3	147.6	148.8
27.5°	129.4	131.0	133.8	136.2	137.7
30°	117.9	119.5	122.7	124.7	126.3
32.5°	107.3	108.8	112.4	114.4	115.6
35°	97.0	98.6	102.1	104.1	105.3
37.5°	87.9	89.4	92.6	94.6	95.4
40°	78.4	80.3	83.5	85.5	86.3
42.5°	70.5	72.0	75.2	76.8	78.0
45°	63.3	64.9	67.7	68.9	69.7
47.5°	57.0	57.8	60.2	60.6	61.3
50°	50.7	51.5	53.0	53.4	53.0
52.5°	44.7	45.5	46.7	46.3	46.3
55°	39.2	39.6	41.2	40.4	40.0
57.5°	33.6	34.4	36.0	34.8	34.4
60°	28.9	29.7	30.9	30.1	29.3
62.5°	24.1	24.5	26.5	24.9	24.1
65°	19.0	20.2	21.8	20.6	19.8
67.5°	14.2	16.2	17.8	16.2	15.4
70°	11.1	11.9	13.1	12.3	11.1
72.5°	8.3	8.7	9.1	8.3	7.5
75°	6.3	6.3	5.9	5.1	4.7
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)