

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: P1325635

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325635
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

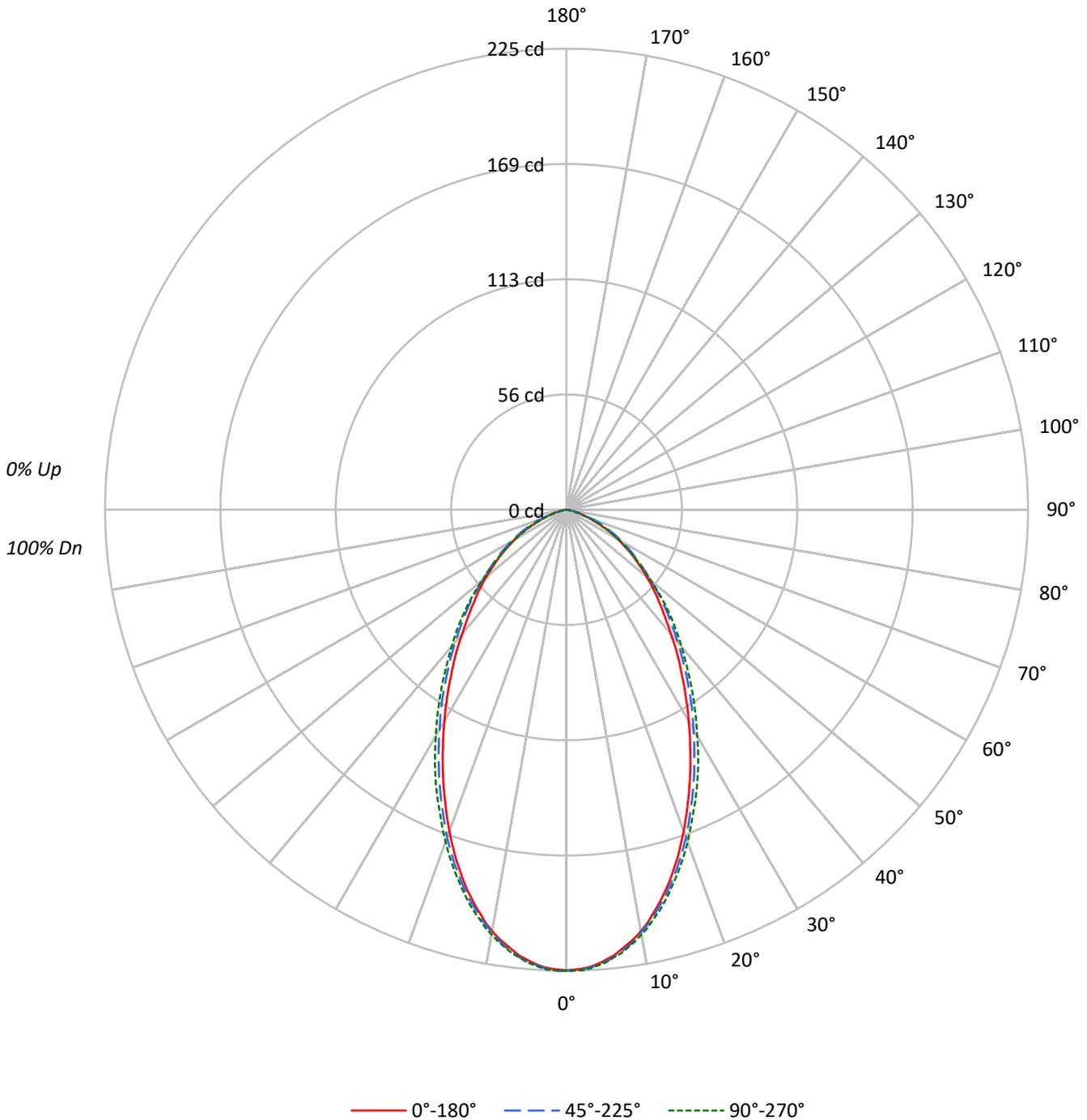
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 54.6 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	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	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	68	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38733	38733	38733
5°	38120	38258	38328
10°	36532	36602	36812
15°	33912	34198	34483
20°	30607	31193	31633
25°	27098	27858	28542
30°	23685	24620	25335
35°	20583	21676	22349
40°	17783	18952	19582
45°	15563	16635	17122
50°	13691	14334	14334
55°	11890	12461	12131
60°	10058	10747	10196
65°	7824	8965	8150
70°	5640	6647	5640
75°	4259	3993	3194
80°	2777	1984	793
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 17122 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	6.4
10°-20°	53.5	16.6
20°-30°	67.2	20.9
30°-40°	64.2	19.9
40°-50°	52.2	16.2
50°-60°	36.5	11.3
60°-70°	20.7	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°	141.5	43.9
0°-40°	205.6	63.9
0°-60°	294.3	91.4
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	225	225	225	225	225	
5°	220	221	221	221	222	21
15°	190	191	192	192	193	53
25°	143	144	147	149	150	65
35°	98	100	103	105	106	61
45°	64	66	68	70	70	50
55°	40	40	42	41	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°	224.9	224.9	224.9	224.9	224.9
1°	224.5	224.9	225.3	224.5	224.9
2°	224.1	224.5	224.5	224.1	224.9
3°	223.3	223.7	223.7	223.3	224.1
4°	222.1	222.5	222.5	222.1	222.9
5°	220.5	220.9	221.3	220.9	221.7
6°	218.9	219.3	219.7	219.3	219.7
7°	216.5	217.3	217.3	217.3	218.1
8°	214.1	214.9	215.3	214.9	215.7
9°	211.7	212.1	212.5	212.5	213.3
10°	208.9	209.3	209.3	209.7	210.5
11°	205.7	205.7	206.5	206.5	207.7
12°	201.8	202.2	203.0	203.4	204.2
13°	198.2	198.6	199.4	199.8	201.0
14°	194.2	195.0	195.8	196.2	197.4
15°	190.2	190.6	191.8	192.2	193.4
17.5°	179.0	179.4	181.4	182.2	183.4
20°	167.0	168.2	170.2	171.4	172.6
22.5°	154.6	155.8	158.2	160.2	161.0
25°	142.6	144.2	146.6	149.0	150.2
27.5°	130.6	132.2	135.0	137.4	139.0
30°	119.1	120.7	123.8	125.8	127.4
32.5°	108.3	109.9	113.5	115.5	116.7
35°	97.9	99.5	103.1	105.1	106.3
37.5°	88.7	90.3	93.5	95.5	96.3
40°	79.1	81.1	84.3	86.3	87.1
42.5°	71.1	72.7	75.9	77.5	78.7
45°	63.9	65.5	68.3	69.5	70.3
47.5°	57.5	58.3	60.7	61.1	61.9
50°	51.1	51.9	53.5	53.9	53.5
52.5°	45.1	45.9	47.1	46.7	46.7
55°	39.6	40.0	41.5	40.8	40.4
57.5°	34.0	34.8	36.4	35.2	34.8
60°	29.2	30.0	31.2	30.4	29.6
62.5°	24.4	24.8	26.8	25.2	24.4
65°	19.2	20.4	22.0	20.8	20.0
67.5°	14.4	16.4	18.0	16.4	15.6
70°	11.2	12.0	13.2	12.4	11.2
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)