

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: P1325639

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325639
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

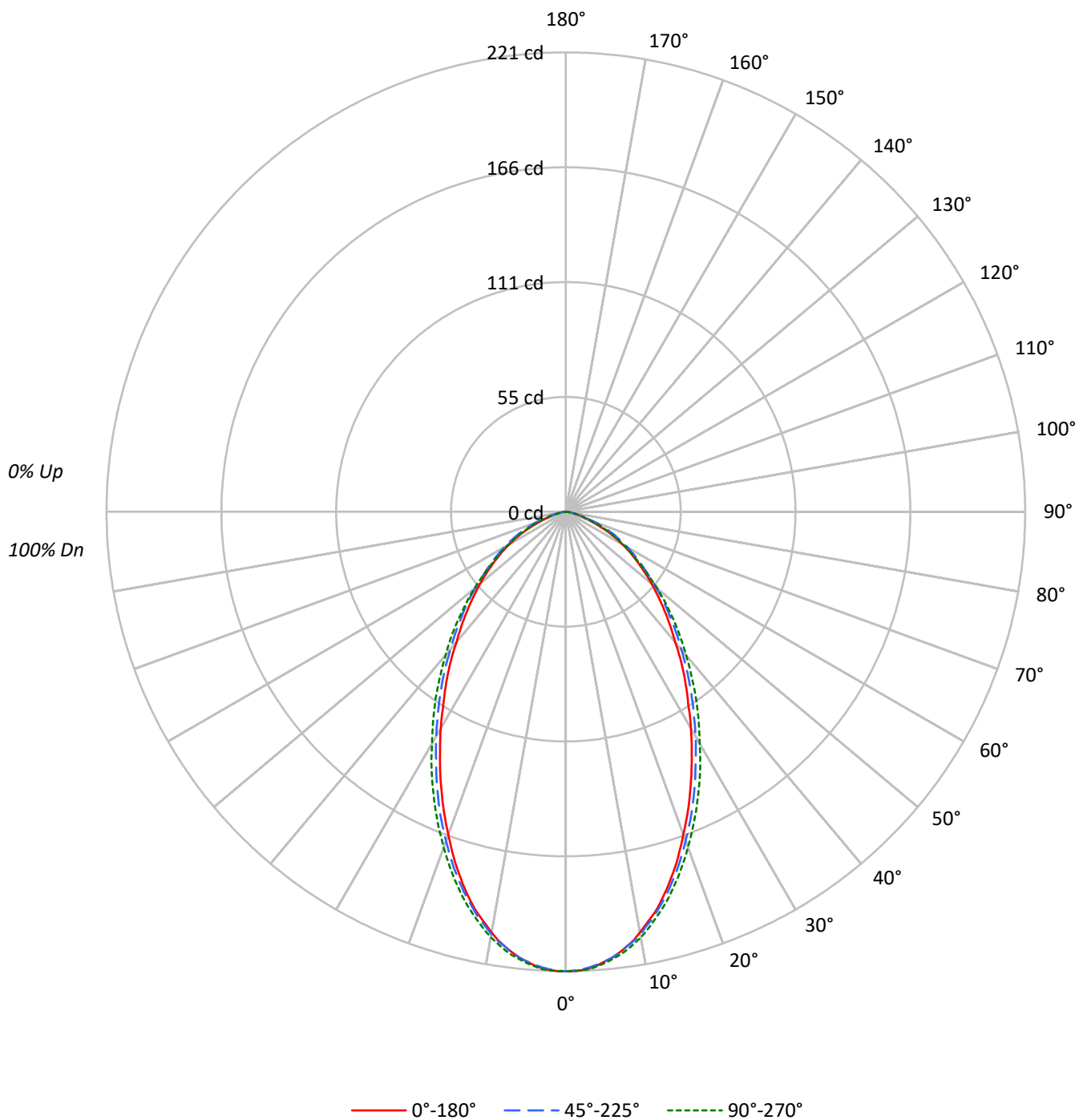
Lumens per Lamp: N/A
Luminaire Lumens: 332.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325639

CATALOG NUMBER: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MW_4000K

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	10
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°	38078	38078	38078
5°	37532	37532	37671
10°	35938	36078	36357
15°	33484	33770	34198
20°	30295	30882	31487
25°	27079	27839	28599
30°	23943	24818	25614
35°	21088	22013	22938
40°	18413	19402	20211
45°	16318	17195	17780
50°	14415	15165	15379
55°	12641	13362	13001
60°	10919	11746	11194
65°	8680	10147	9169
70°	6244	7906	6848
75°	4791	5057	4259
80°	3174	3174	2380
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17780 cd/sqm

TEST NUMBER: P1325639

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	6.1
10°-20°	52.9	15.9
20°-30°	67.2	20.3
30°-40°	65.4	19.7
40°-50°	54.4	16.4
50°-60°	39.2	11.8
60°-70°	23.1	7.0
70°-80°	8.2	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°	140.5	42.3
0°-40°	205.9	62.0
0°-60°	299.5	90.2
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	221	221	221	221	221	
5°	217	217	217	217	218	20
15°	188	188	189	191	192	52
25°	142	144	146	149	150	65
35°	100	102	105	108	109	63
45°	67	68	71	72	73	52
55°	42	43	44	44	43	38
65°	21	23	25	24	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°	221.1	221.1	221.1	221.1	221.1
1°	221.1	220.7	220.7	220.7	221.1
2°	220.7	220.3	220.3	220.3	220.7
3°	219.9	219.5	219.5	219.5	220.3
4°	218.7	217.9	218.3	218.3	219.1
5°	217.1	216.7	217.1	217.1	217.9
6°	215.5	215.1	215.5	215.5	216.3
7°	213.5	213.1	213.5	213.9	214.7
8°	211.1	210.7	211.1	211.5	212.7
9°	208.7	208.3	209.1	209.5	210.3
10°	205.5	205.5	206.3	206.7	207.9
11°	202.2	202.2	203.1	203.9	205.1
12°	199.0	199.0	200.2	201.0	201.8
13°	195.8	195.4	196.6	197.4	198.6
14°	191.8	191.4	193.0	194.2	195.4
15°	187.8	187.8	189.4	190.6	191.8
17.5°	177.0	177.4	179.4	181.0	182.2
20°	165.3	166.5	168.5	170.5	171.8
22.5°	154.1	154.9	157.7	160.1	161.3
25°	142.5	144.1	146.5	149.3	150.5
27.5°	131.2	132.8	135.2	138.0	140.0
30°	120.4	121.6	124.8	127.6	128.8
32.5°	109.6	111.2	114.4	117.2	118.8
35°	100.3	101.5	104.7	107.5	109.1
37.5°	91.1	92.3	95.5	97.9	99.1
40°	81.9	83.9	86.3	88.7	89.9
42.5°	74.2	75.8	78.3	80.3	81.5
45°	67.0	68.2	70.6	72.2	73.0
47.5°	60.2	61.4	63.8	64.6	65.0
50°	53.8	55.0	56.6	57.0	57.4
52.5°	47.8	48.6	50.2	50.2	49.8
55°	42.1	43.3	44.5	44.1	43.3
57.5°	36.9	37.3	39.3	38.5	37.7
60°	31.7	32.5	34.1	33.3	32.5
62.5°	26.5	27.3	29.3	28.5	27.3
65°	21.3	22.9	24.9	23.7	22.5
67.5°	16.1	18.1	20.1	18.9	18.1
70°	12.4	14.0	15.7	14.4	13.6
72.5°	9.6	10.4	11.2	10.4	9.6
75°	7.2	7.6	7.6	6.8	6.4
77.5°	5.2	5.6	4.8	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



TEST NUMBER: P1325639

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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)