

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: P1325722

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325722
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: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWWR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

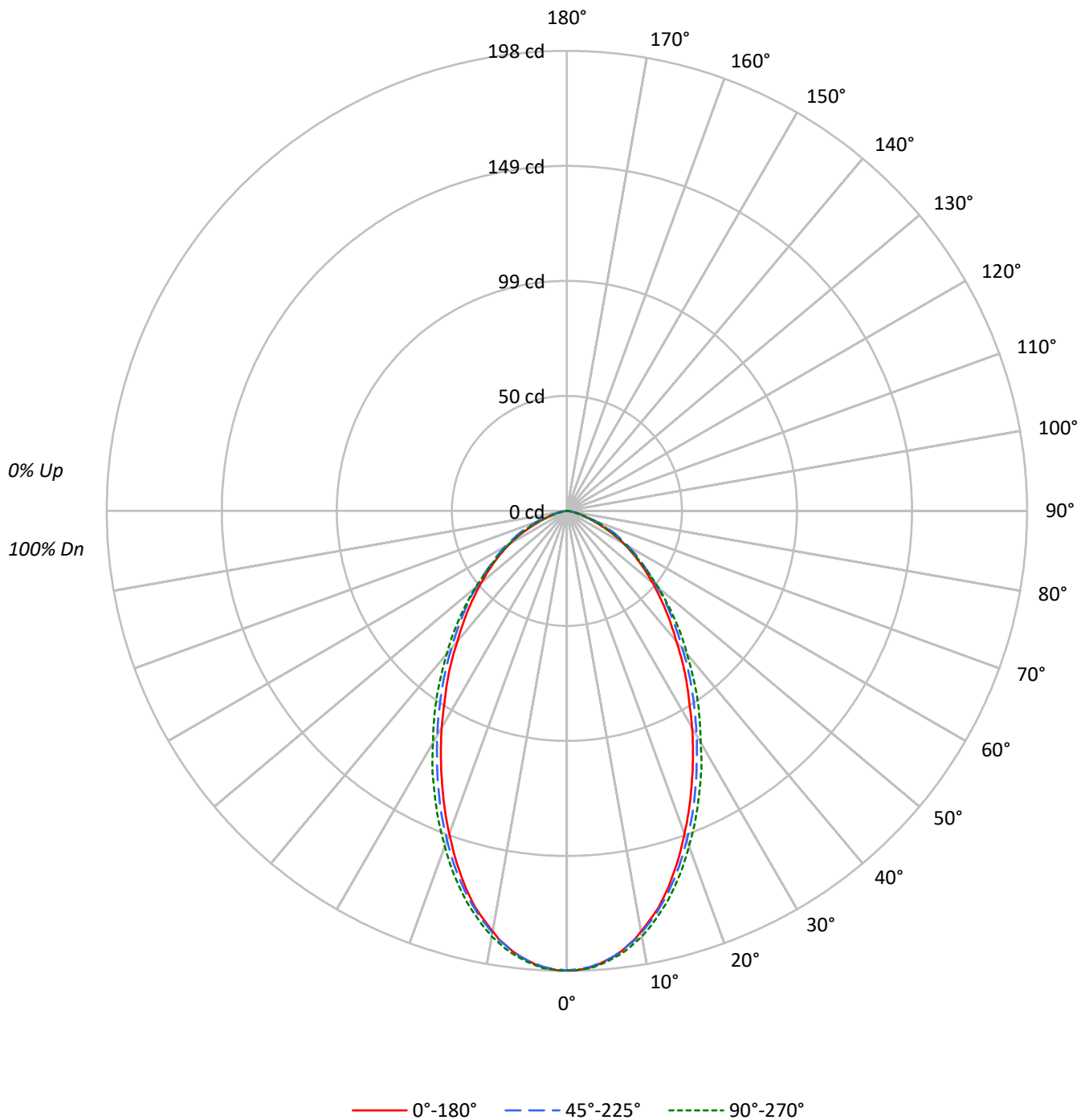
Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1325722

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MW_2700K

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°	34066	34066	34066
5°	33573	33573	33694
10°	32143	32265	32528
15°	29954	30204	30596
20°	27106	27638	28151
25°	24209	24893	25578
30°	21418	22193	22909
35°	18859	19700	20520
40°	16457	17356	18076
45°	14589	15393	15904
50°	12887	13557	13745
55°	11320	11950	11650
60°	9782	10506	10023
65°	7743	9088	8191
70°	5589	7050	6143
75°	4325	4525	3793
80°	2876	2876	2182
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15904 cd/sqm

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CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	6.1
10°-20°	47.3	15.9
20°-30°	60.1	20.3
30°-40°	58.5	19.7
40°-50°	48.6	16.4
50°-60°	35.1	11.8
60°-70°	20.7	7.0
70°-80°	7.3	2.5
80°-90°	1.1	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°	125.7	42.3
0°-40°	184.2	62.0
0°-60°	268.0	90.2
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	198	198	198	198	198	
5°	194	194	194	194	195	18
15°	168	168	169	170	172	47
25°	127	129	131	134	135	59
35°	90	91	94	96	98	56
45°	60	61	63	65	65	46
55°	38	39	40	40	39	34
65°	19	20	22	21	20	19
75°	6	7	7	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1325722

CATALOG NUMBER: LDSQA3D05R70W2N902765DE010 3LSQCLDWWR1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	197.8	197.8	197.8	197.8	197.8
1°	197.8	197.4	197.4	197.4	197.8
2°	197.4	197.1	197.1	197.1	197.4
3°	196.7	196.4	196.4	196.4	197.1
4°	195.6	194.9	195.3	195.3	196.0
5°	194.2	193.8	194.2	194.2	194.9
6°	192.8	192.4	192.8	192.8	193.5
7°	191.0	190.6	191.0	191.3	192.1
8°	188.8	188.5	188.8	189.2	190.3
9°	186.7	186.3	187.0	187.4	188.1
10°	183.8	183.8	184.5	184.9	186.0
11°	180.9	180.9	181.6	182.4	183.4
12°	178.1	178.1	179.1	179.8	180.6
13°	175.2	174.8	175.9	176.6	177.7
14°	171.6	171.2	172.7	173.7	174.8
15°	168.0	168.0	169.4	170.5	171.6
17.5°	158.3	158.7	160.5	161.9	163.0
20°	147.9	149.0	150.8	152.6	153.6
22.5°	137.8	138.6	141.1	143.2	144.3
25°	127.4	128.9	131.0	133.5	134.6
27.5°	117.4	118.8	121.0	123.5	125.3
30°	107.7	108.8	111.6	114.2	115.2
32.5°	98.0	99.4	102.3	104.8	106.3
35°	89.7	90.8	93.7	96.2	97.6
37.5°	81.5	82.6	85.4	87.6	88.7
40°	73.2	75.0	77.2	79.3	80.4
42.5°	66.4	67.8	70.0	71.8	72.9
45°	59.9	61.0	63.2	64.6	65.3
47.5°	53.8	54.9	57.1	57.8	58.2
50°	48.1	49.2	50.6	51.0	51.3
52.5°	42.7	43.4	44.9	44.9	44.5
55°	37.7	38.8	39.8	39.5	38.8
57.5°	33.0	33.4	35.2	34.5	33.7
60°	28.4	29.1	30.5	29.8	29.1
62.5°	23.7	24.4	26.2	25.5	24.4
65°	19.0	20.5	22.3	21.2	20.1
67.5°	14.4	16.2	17.9	16.9	16.2
70°	11.1	12.6	14.0	12.9	12.2
72.5°	8.6	9.3	10.1	9.3	8.6
75°	6.5	6.8	6.8	6.1	5.7
77.5°	4.7	5.0	4.3	3.6	3.6
80°	2.9	3.2	2.9	2.2	2.2
82.5°	1.4	1.8	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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)