

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: P1325631

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLDWWR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325631
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

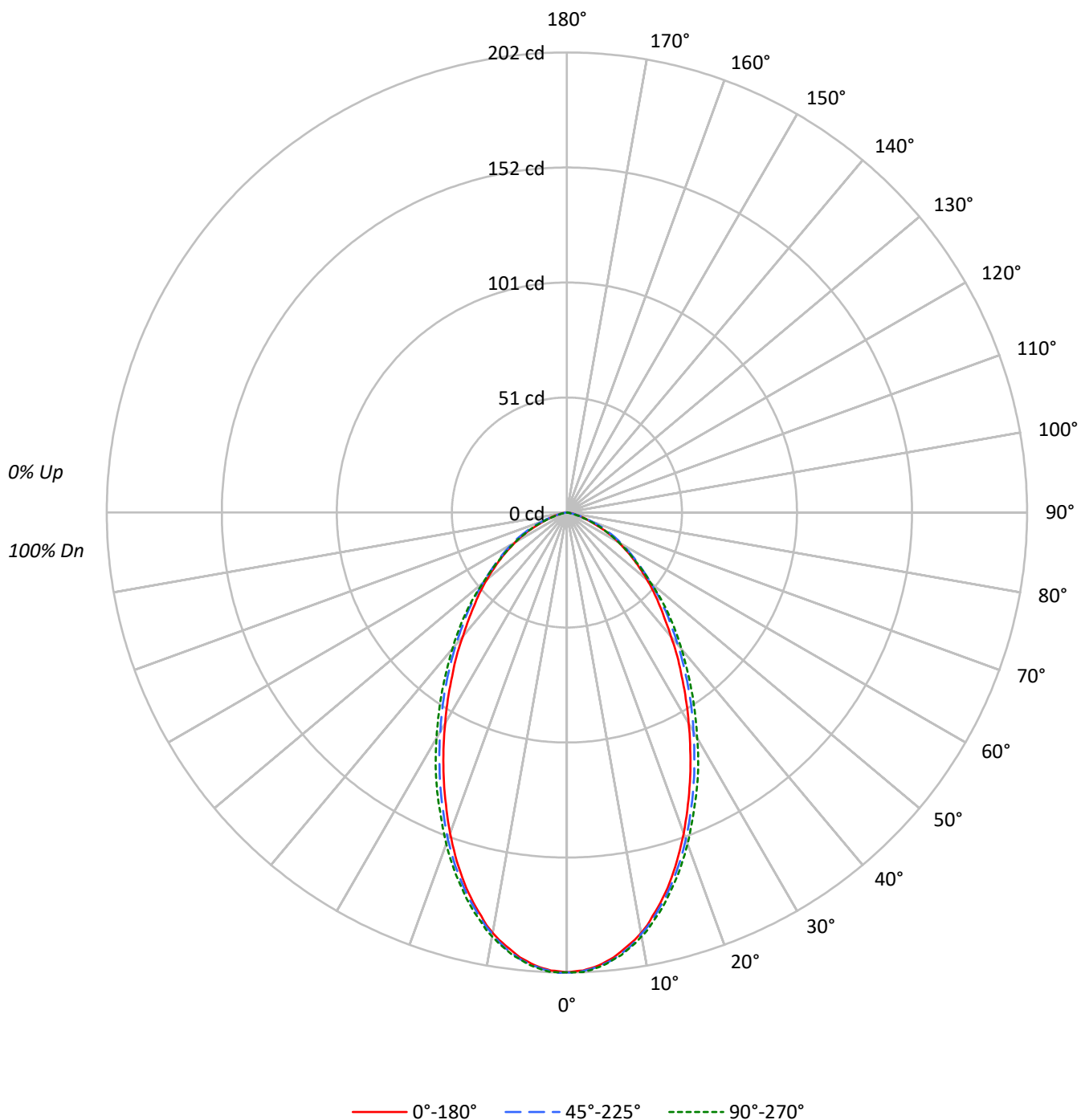
Lumens per Lamp: N/A
Luminaire Lumens: 289.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	34772	34772	34772
5°	34213	34334	34403
10°	32790	32860	33052
15°	30435	30685	30935
20°	27473	27986	28389
25°	24323	25008	25616
30°	21259	22114	22750
35°	18460	19448	20057
40°	15962	17019	17581
45°	13980	14930	15369
50°	12298	12861	12861
55°	10659	11200	10869
60°	9024	9644	9128
65°	7009	8028	7294
70°	5035	5942	5035
75°	3793	3593	2861
80°	2479	1785	694
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15369 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	6.4
10°-20°	48.0	16.6
20°-30°	60.3	20.9
30°-40°	57.6	19.9
40°-50°	46.8	16.2
50°-60°	32.8	11.3
60°-70°	18.5	6.4
70°-80°	5.9	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°	127.0	43.9
0°-40°	184.6	63.9
0°-60°	264.2	91.4
0°-90°	289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	202	202	202	202	202	
5°	198	198	199	198	199	19
15°	171	171	172	172	174	48
25°	128	129	132	134	135	59
35°	88	89	92	94	95	55
45°	57	59	61	62	63	45
55°	36	36	37	37	36	32
65°	17	18	20	19	18	17
75°	6	6	5	5	4	6
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°	201.9	201.9	201.9	201.9	201.9
1°	201.5	201.9	202.2	201.5	201.9
2°	201.2	201.5	201.5	201.2	201.9
3°	200.4	200.8	200.8	200.4	201.2
4°	199.4	199.7	199.7	199.4	200.1
5°	197.9	198.3	198.6	198.3	199.0
6°	196.5	196.9	197.2	196.9	197.2
7°	194.3	195.1	195.1	195.1	195.8
8°	192.2	192.9	193.3	192.9	193.6
9°	190.0	190.4	190.8	190.8	191.5
10°	187.5	187.9	187.9	188.2	189.0
11°	184.7	184.7	185.4	185.4	186.5
12°	181.1	181.4	182.2	182.5	183.2
13°	177.8	178.2	178.9	179.3	180.4
14°	174.3	175.0	175.7	176.1	177.1
15°	170.7	171.0	172.1	172.5	173.5
17.5°	160.6	161.0	162.8	163.5	164.6
20°	149.9	151.0	152.7	153.8	154.9
22.5°	138.8	139.8	142.0	143.8	144.5
25°	128.0	129.4	131.6	133.7	134.8
27.5°	117.3	118.7	121.2	123.3	124.8
30°	106.9	108.3	111.2	112.9	114.4
32.5°	97.2	98.6	101.8	103.6	104.7
35°	87.8	89.3	92.5	94.3	95.4
37.5°	79.6	81.0	83.9	85.7	86.4
40°	71.0	72.8	75.7	77.5	78.2
42.5°	63.8	65.3	68.1	69.6	70.6
45°	57.4	58.8	61.3	62.4	63.1
47.5°	51.6	52.4	54.5	54.9	55.6
50°	45.9	46.6	48.0	48.4	48.0
52.5°	40.5	41.2	42.3	42.0	42.0
55°	35.5	35.9	37.3	36.6	36.2
57.5°	30.5	31.2	32.6	31.6	31.2
60°	26.2	26.9	28.0	27.3	26.5
62.5°	21.9	22.2	24.0	22.6	21.9
65°	17.2	18.3	19.7	18.6	17.9
67.5°	12.9	14.7	16.1	14.7	14.0
70°	10.0	10.8	11.8	11.1	10.0
72.5°	7.5	7.9	8.2	7.5	6.8
75°	5.7	5.7	5.4	4.7	4.3
77.5°	3.9	3.9	3.2	2.2	2.2
80°	2.5	2.5	1.8	0.7	0.7
82.5°	1.1	1.1	0.7	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)