

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: P1327238

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327238
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: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLDWWR1MMS TRIM
Light Source: -
Ballast/Driver: -

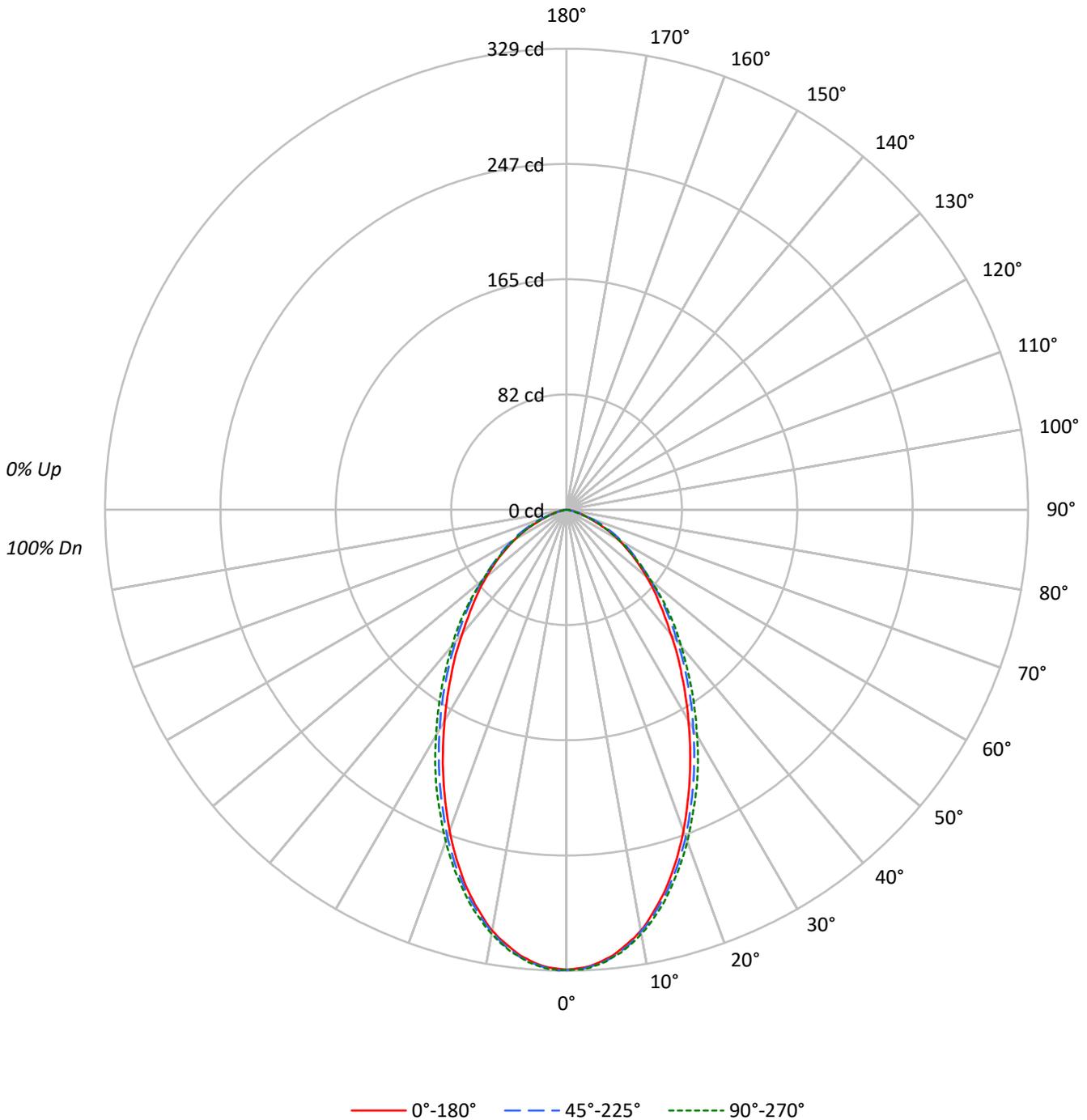
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 470.0 lumens
Efficiency: N/A
Efficacy: 52.2 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): 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	102	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	69	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	49	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56541	56541	56541
5°	55650	55858	55944
10°	53338	53443	53740
15°	49496	49906	50316
20°	44683	45526	46167
25°	39564	40666	41673
30°	34563	35955	36989
35°	30044	31621	32609
40°	25967	27653	28575
45°	22724	24283	24989
50°	19988	20925	20925
55°	17325	18196	17685
60°	14673	15672	14880
65°	11410	13081	11899
70°	8208	9668	8208
75°	6188	5789	4658
80°	4066	2876	1190
85°	1186	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 24989 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	6.4
10°-20°	78.1	16.6
20°-30°	98.1	20.9
30°-40°	93.7	19.9
40°-50°	76.1	16.2
50°-60°	53.3	11.3
60°-70°	30.1	6.4
70°-80°	9.5	2.0
80°-90°	0.7	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°	206.5	43.9
0°-40°	300.1	63.9
0°-60°	429.6	91.4
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	328	328	328	328	328	
5°	322	322	323	322	324	30
15°	278	278	280	280	282	77
25°	208	210	214	218	219	95
35°	143	145	150	153	155	90
45°	93	96	100	102	103	72
55°	58	58	61	60	59	52
65°	28	30	32	30	29	28
75°	9	9	9	8	7	10
85°	1	1	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°	328.3	328.3	328.3	328.3	328.3
1°	327.7	328.3	328.9	327.7	328.3
2°	327.1	327.7	327.7	327.1	328.3
3°	326.0	326.6	326.6	326.0	327.1
4°	324.2	324.8	324.8	324.2	325.4
5°	321.9	322.5	323.1	322.5	323.6
6°	319.6	320.1	320.7	320.1	320.7
7°	316.1	317.2	317.2	317.2	318.4
8°	312.6	313.7	314.3	313.7	314.9
9°	309.1	309.6	310.2	310.2	311.4
10°	305.0	305.6	305.6	306.1	307.3
11°	300.3	300.3	301.5	301.5	303.2
12°	294.5	295.1	296.2	296.8	298.0
13°	289.2	289.8	291.0	291.6	293.3
14°	283.4	284.6	285.7	286.3	288.1
15°	277.6	278.2	279.9	280.5	282.2
17.5°	261.2	261.8	264.7	265.9	267.7
20°	243.8	245.5	248.4	250.2	251.9
22.5°	225.7	227.4	230.9	233.8	235.0
25°	208.2	210.5	214.0	217.5	219.3
27.5°	190.7	193.0	197.1	200.6	202.9
30°	173.8	176.1	180.8	183.7	186.0
32.5°	158.0	160.4	165.6	168.5	170.3
35°	142.9	145.2	150.4	153.4	155.1
37.5°	129.5	131.8	136.5	139.4	140.5
40°	115.5	118.4	123.0	126.0	127.1
42.5°	103.8	106.1	110.8	113.1	114.9
45°	93.3	95.6	99.7	101.5	102.6
47.5°	84.0	85.1	88.6	89.2	90.4
50°	74.6	75.8	78.1	78.7	78.1
52.5°	65.9	67.1	68.8	68.2	68.2
55°	57.7	58.3	60.6	59.5	58.9
57.5°	49.6	50.7	53.1	51.3	50.7
60°	42.6	43.7	45.5	44.3	43.2
62.5°	35.6	36.2	39.1	36.7	35.6
65°	28.0	29.7	32.1	30.3	29.2
67.5°	21.0	23.9	26.2	23.9	22.7
70°	16.3	17.5	19.2	18.1	16.3
72.5°	12.2	12.8	13.4	12.2	11.1
75°	9.3	9.3	8.7	7.6	7.0
77.5°	6.4	6.4	5.2	3.5	3.5
80°	4.1	4.1	2.9	1.2	1.2
82.5°	1.7	1.7	1.2	0.6	0.6
85°	0.6	0.6	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)