

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: P1316510

Luminaire Tested: LDSQA3D09R709740DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316510
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: LDSQA3D09R709740DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

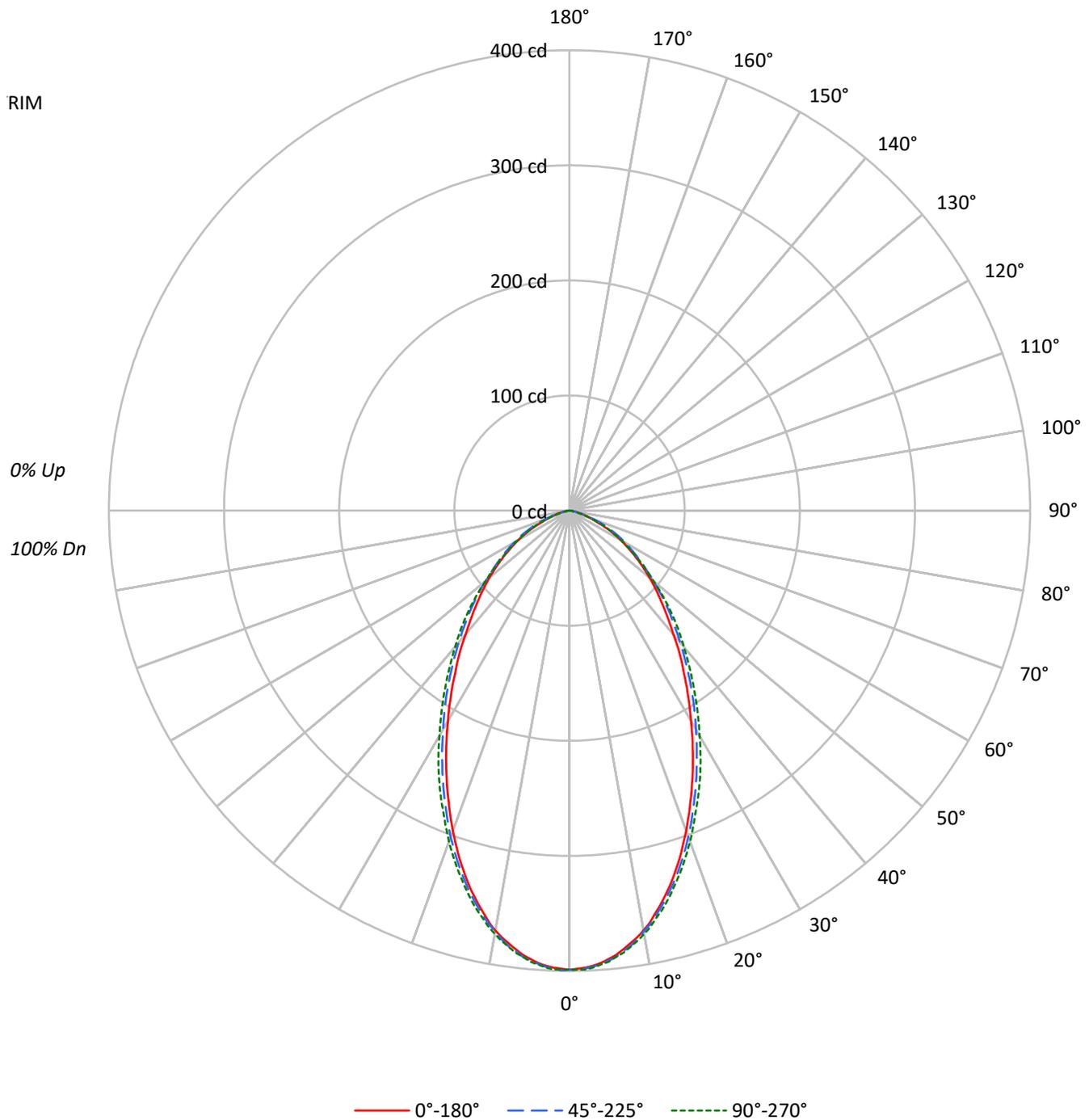
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 51.4 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	68700	68700	68700
5°	67614	67856	67977
10°	64793	64915	65300
15°	60122	60639	61138
20°	54268	55313	56101
25°	48058	49407	50623
30°	41981	43671	44944
35°	36499	38433	39610
40°	31542	33611	34712
45°	27620	29495	30372
50°	24301	25427	25427
55°	21048	22129	21499
60°	17808	19048	18049
65°	13855	15893	14426
70°	9970	11783	9970
75°	7519	7053	5656
80°	4959	3471	1389
85°	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 30372 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	6.4
10°-20°	94.9	16.6
20°-30°	119.2	20.9
30°-40°	113.8	19.9
40°-50°	92.5	16.2
50°-60°	64.8	11.3
60°-70°	36.6	6.4
70°-80°	11.6	2.0
80°-90°	0.9	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°	250.8	43.9
0°-40°	364.6	63.9
0°-60°	521.9	91.4
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	399	399	399	399	399	
5°	391	392	392	392	393	37
15°	337	338	340	341	343	94
25°	253	256	260	264	266	116
35°	174	176	183	186	188	109
45°	113	116	121	123	125	88
55°	70	71	74	72	72	63
65°	34	36	39	37	35	34
75°	11	11	11	9	8	12
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°	398.9	398.9	398.9	398.9	398.9
1°	398.1	398.9	399.6	398.1	398.9
2°	397.4	398.1	398.1	397.4	398.9
3°	396.0	396.7	396.7	396.0	397.4
4°	393.9	394.6	394.6	393.9	395.3
5°	391.1	391.8	392.5	391.8	393.2
6°	388.2	388.9	389.6	388.9	389.6
7°	384.0	385.4	385.4	385.4	386.8
8°	379.7	381.1	381.9	381.1	382.6
9°	375.5	376.2	376.9	376.9	378.3
10°	370.5	371.2	371.2	371.9	373.4
11°	364.9	364.9	366.3	366.3	368.4
12°	357.8	358.5	359.9	360.6	362.0
13°	351.4	352.1	353.5	354.2	356.4
14°	344.3	345.7	347.1	347.8	350.0
15°	337.2	337.9	340.1	340.8	342.9
17.5°	317.4	318.1	321.6	323.1	325.2
20°	296.1	298.3	301.8	303.9	306.1
22.5°	274.2	276.3	280.5	284.1	285.5
25°	252.9	255.8	260.0	264.3	266.4
27.5°	231.7	234.5	239.5	243.7	246.5
30°	211.1	214.0	219.6	223.2	226.0
32.5°	192.0	194.8	201.2	204.7	206.9
35°	173.6	176.4	182.8	186.3	188.4
37.5°	157.3	160.1	165.8	169.3	170.7
40°	140.3	143.8	149.5	153.0	154.4
42.5°	126.1	128.9	134.6	137.4	139.6
45°	113.4	116.2	121.1	123.3	124.7
47.5°	102.0	103.4	107.7	108.4	109.8
50°	90.7	92.1	94.9	95.6	94.9
52.5°	80.1	81.5	83.6	82.9	82.9
55°	70.1	70.8	73.7	72.3	71.6
57.5°	60.2	61.6	64.5	62.3	61.6
60°	51.7	53.1	55.3	53.8	52.4
62.5°	43.2	43.9	47.5	44.6	43.2
65°	34.0	36.1	39.0	36.8	35.4
67.5°	25.5	29.0	31.9	29.0	27.6
70°	19.8	21.3	23.4	22.0	19.8
72.5°	14.9	15.6	16.3	14.9	13.5
75°	11.3	11.3	10.6	9.2	8.5
77.5°	7.8	7.8	6.4	4.3	4.3
80°	5.0	5.0	3.5	1.4	1.4
82.5°	2.1	2.1	1.4	0.7	0.7
85°	0.7	0.7	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)