

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: P1307242

Luminaire Tested: LDSQA3D13R709024DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307242
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: LDSQA3D13R709024DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

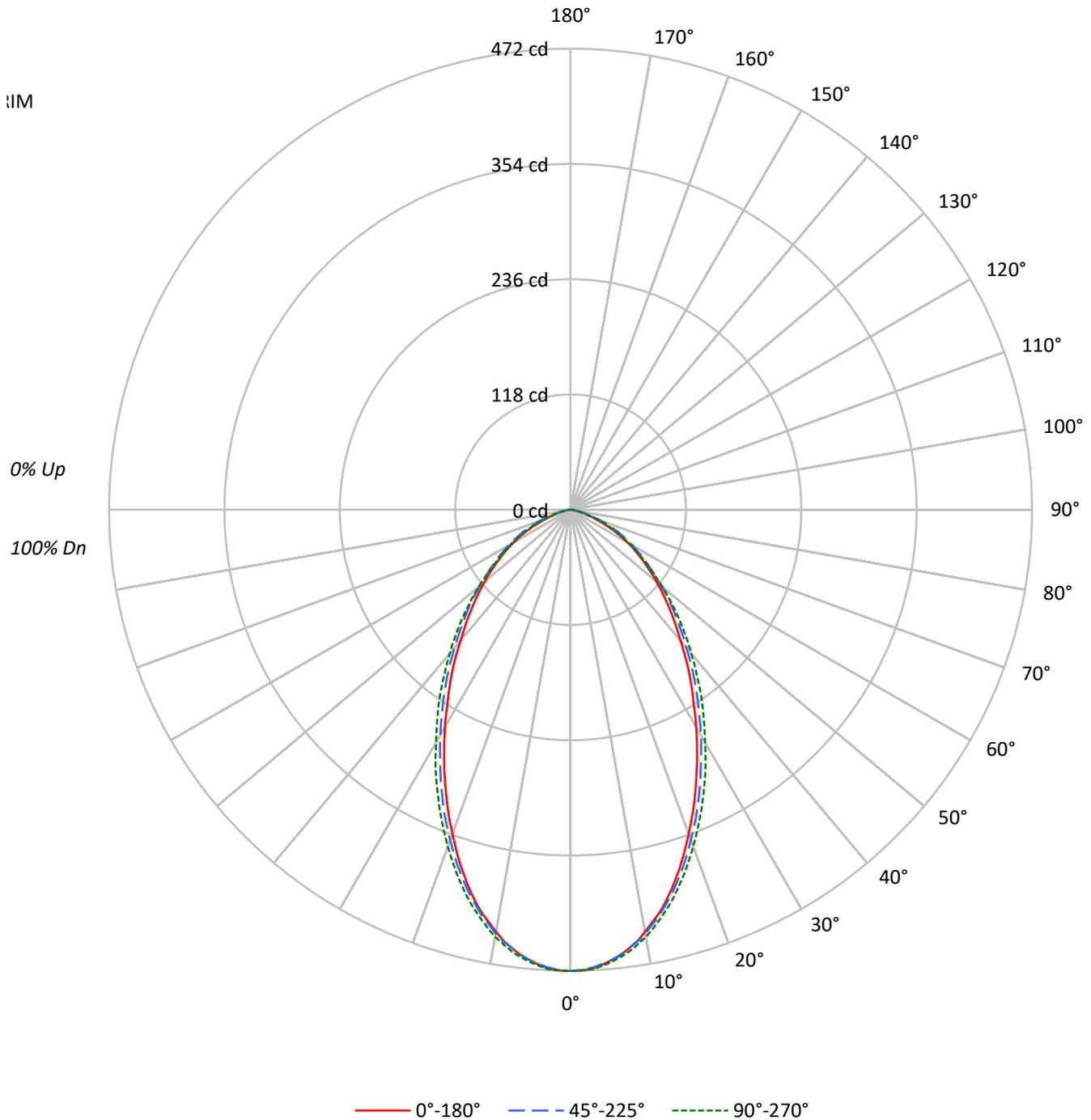
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.0 lumens
Efficiency: N/A
Efficacy: 48.6 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): 14.6
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	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°	81324	81324	81324
5°	80147	80147	80441
10°	76737	77034	77629
15°	71515	72122	73031
20°	64715	65961	67225
25°	57806	59440	61075
30°	51128	52998	54708
35°	45034	47032	49008
40°	39299	41412	43166
45°	34853	36729	37995
50°	30758	32366	32822
55°	27023	28555	27804
60°	23319	25076	23905
65°	18501	21639	19561
70°	13394	16818	14653
75°	10247	10846	9116
80°	6843	6843	5058
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 37995 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	6.1
10°-20°	113.0	15.9
20°-30°	143.6	20.3
30°-40°	139.7	19.7
40°-50°	116.1	16.4
50°-60°	83.8	11.8
60°-70°	49.3	7.0
70°-80°	17.5	2.5
80°-90°	2.6	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°	300.1	42.3
0°-40°	439.8	62.0
0°-60°	639.7	90.2
0°-90°	709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	472	472	472	472	472	
5°	464	463	464	464	465	43
15°	401	401	404	407	410	112
25°	304	308	313	319	321	140
35°	214	217	224	230	233	134
45°	143	146	151	154	156	111
55°	90	93	95	94	93	81
65°	45	49	53	51	48	45
75°	15	16	16	15	14	17
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	472.2	472.2	472.2	472.2	472.2
1°	472.2	471.3	471.3	471.3	472.2
2°	471.3	470.5	470.5	470.5	471.3
3°	469.6	468.8	468.8	468.8	470.5
4°	467.0	465.3	466.2	466.2	467.9
5°	463.6	462.8	463.6	463.6	465.3
6°	460.2	459.3	460.2	460.2	461.9
7°	455.9	455.0	455.9	456.8	458.5
8°	450.8	449.9	450.8	451.6	454.2
9°	445.6	444.8	446.5	447.3	449.0
10°	438.8	438.8	440.5	441.3	443.9
11°	431.9	431.9	433.6	435.3	437.9
12°	425.1	425.1	427.6	429.3	431.1
13°	418.2	417.3	419.9	421.6	424.2
14°	409.6	408.8	412.2	414.8	417.3
15°	401.1	401.1	404.5	407.1	409.6
17.5°	377.9	378.8	383.1	386.5	389.1
20°	353.1	355.6	359.9	364.2	366.8
22.5°	329.1	330.8	336.8	341.9	344.5
25°	304.2	307.6	312.8	318.8	321.4
27.5°	280.2	283.7	288.8	294.8	299.1
30°	257.1	259.7	266.5	272.5	275.1
32.5°	234.0	237.4	244.2	250.2	253.7
35°	214.2	216.8	223.7	229.7	233.1
37.5°	194.5	197.1	204.0	209.1	211.7
40°	174.8	179.1	184.2	189.4	192.0
42.5°	158.5	162.0	167.1	171.4	174.0
45°	143.1	145.7	150.8	154.3	156.0
47.5°	128.5	131.1	136.3	138.0	138.8
50°	114.8	117.4	120.8	121.7	122.5
52.5°	102.0	103.7	107.1	107.1	106.3
55°	90.0	92.6	95.1	94.3	92.6
57.5°	78.8	79.7	84.0	82.3	80.6
60°	67.7	69.4	72.8	71.1	69.4
62.5°	56.6	58.3	62.6	60.8	58.3
65°	45.4	48.8	53.1	50.6	48.0
67.5°	34.3	38.6	42.8	40.3	38.6
70°	26.6	30.0	33.4	30.9	29.1
72.5°	20.6	22.3	24.0	22.3	20.6
75°	15.4	16.3	16.3	14.6	13.7
77.5°	11.1	12.0	10.3	8.6	8.6
80°	6.9	7.7	6.9	5.1	5.1
82.5°	3.4	4.3	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.9	0.9	0.9	0.9	0.9



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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)