

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: P1308370

Luminaire Tested: LDSQA3D17R709027DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308370
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: LDSQA3D17R709027DE010 3LSQCLDWWR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLDWWR1MMS T
Light Source: -
Ballast/Driver: -

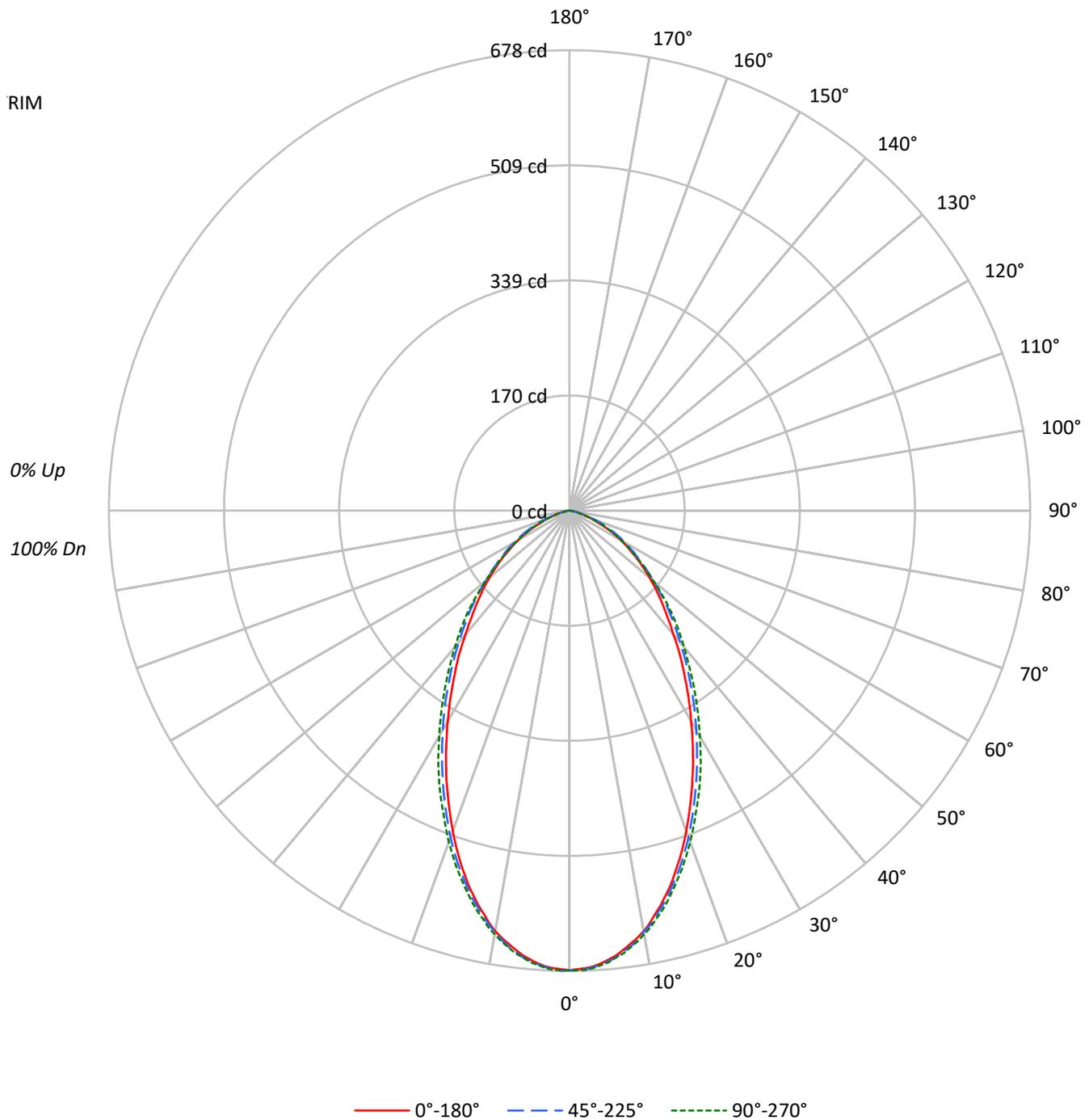
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 969.0 lumens
Efficiency: N/A
Efficacy: 45.7 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): 21.2
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°	116578	116578	116578
5°	114724	115138	115363
10°	109964	110174	110804
15°	102040	102896	103752
20°	92096	93874	95193
25°	81559	83840	85892
30°	71254	74117	76265
35°	61938	65218	67236
40°	53507	57037	58926
45°	46861	50076	51537
50°	41235	43164	43164
55°	35731	37533	36452
60°	30242	32309	30656
65°	23514	26937	24492
70°	16969	19991	16969
75°	12776	11978	9582
80°	8331	5951	2380
85°	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 51537 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	6.4
10°-20°	161.1	16.6
20°-30°	202.2	20.9
30°-40°	193.1	19.9
40°-50°	157.0	16.2
50°-60°	109.9	11.3
60°-70°	62.1	6.4
70°-80°	19.6	2.0
80°-90°	1.5	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°	425.7	43.9
0°-40°	618.8	63.9
0°-60°	885.7	91.4
0°-90°	969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	664	665	666	665	667	62
15°	572	574	577	578	582	160
25°	429	434	441	448	452	197
35°	295	299	310	316	320	185
45°	192	197	206	209	212	149
55°	119	120	125	123	121	107
65°	58	61	66	62	60	58
75°	19	19	18	16	14	21
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	676.9	676.9	676.9	676.9	676.9
1°	675.7	676.9	678.1	675.7	676.9
2°	674.5	675.7	675.7	674.5	676.9
3°	672.1	673.3	673.3	672.1	674.5
4°	668.5	669.7	669.7	668.5	670.9
5°	663.6	664.8	666.0	664.8	667.3
6°	658.8	660.0	661.2	660.0	661.2
7°	651.6	654.0	654.0	654.0	656.4
8°	644.4	646.8	648.0	646.8	649.2
9°	637.2	638.4	639.6	639.6	642.0
10°	628.8	630.0	630.0	631.2	633.6
11°	619.2	619.2	621.6	621.6	625.2
12°	607.1	608.3	610.7	611.9	614.4
13°	596.3	597.5	599.9	601.1	604.7
14°	584.3	586.7	589.1	590.3	593.9
15°	572.3	573.5	577.1	578.3	581.9
17.5°	538.6	539.8	545.8	548.2	551.8
20°	502.5	506.1	512.2	515.8	519.4
22.5°	465.3	468.9	476.1	482.1	484.5
25°	429.2	434.0	441.2	448.4	452.0
27.5°	393.1	397.9	406.4	413.6	418.4
30°	358.3	363.1	372.7	378.7	383.5
32.5°	325.8	330.6	341.4	347.5	351.1
35°	294.6	299.4	310.2	316.2	319.8
37.5°	266.9	271.7	281.3	287.3	289.7
40°	238.0	244.1	253.7	259.7	262.1
42.5°	214.0	218.8	228.4	233.2	236.8
45°	192.4	197.2	205.6	209.2	211.6
47.5°	173.1	175.5	182.7	183.9	186.3
50°	153.9	156.3	161.1	162.3	161.1
52.5°	135.9	138.3	141.9	140.7	140.7
55°	119.0	120.2	125.0	122.6	121.4
57.5°	102.2	104.6	109.4	105.8	104.6
60°	87.8	90.2	93.8	91.4	89.0
62.5°	73.3	74.5	80.6	75.7	73.3
65°	57.7	61.3	66.1	62.5	60.1
67.5°	43.3	49.3	54.1	49.3	46.9
70°	33.7	36.1	39.7	37.3	33.7
72.5°	25.2	26.4	27.7	25.2	22.8
75°	19.2	19.2	18.0	15.6	14.4
77.5°	13.2	13.2	10.8	7.2	7.2
80°	8.4	8.4	6.0	2.4	2.4
82.5°	3.6	3.6	2.4	1.2	1.2
85°	1.2	1.2	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)