

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: P1313831

Luminaire Tested: LDSQA3D17R309727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

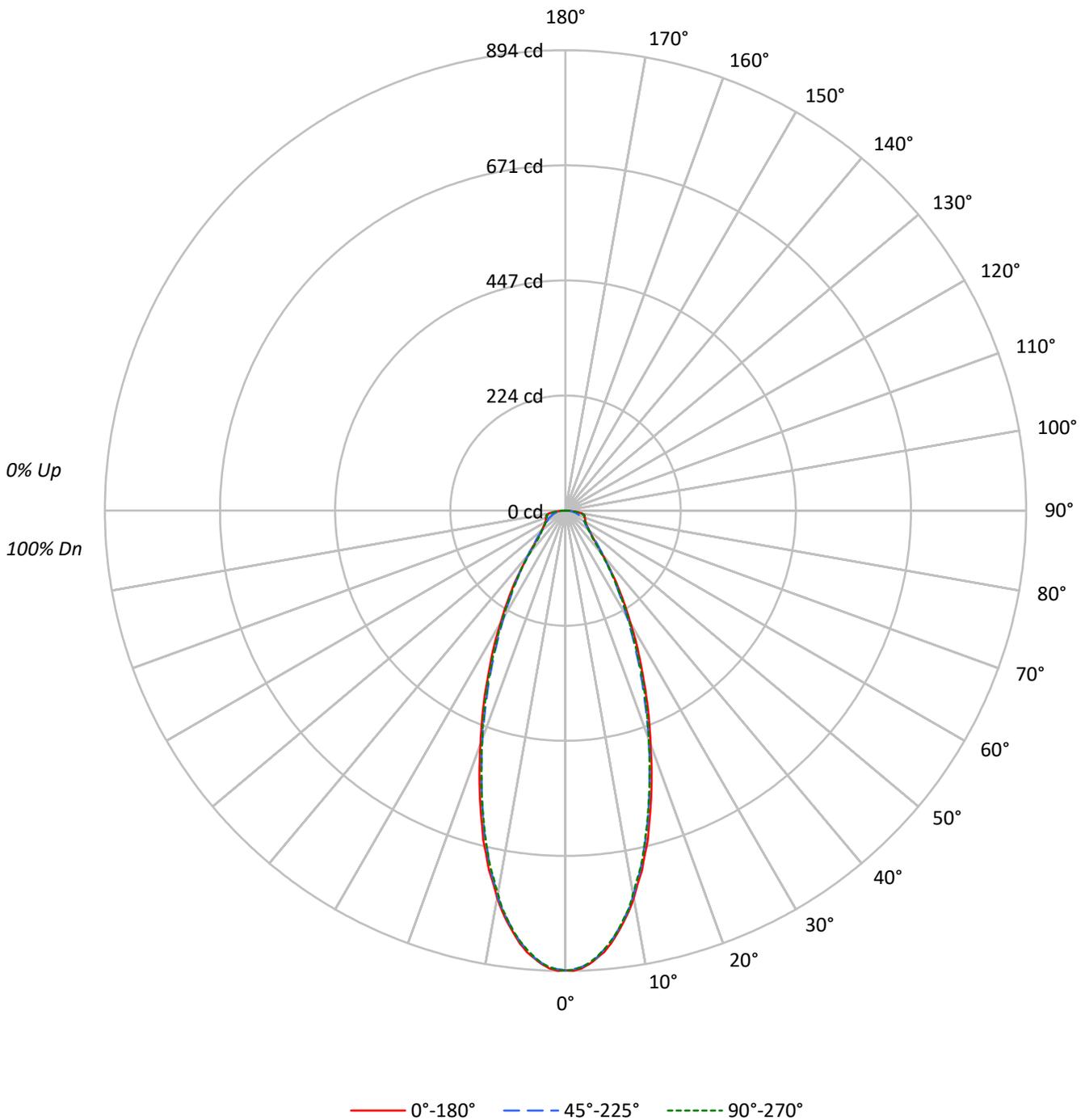
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.0 lumens
Efficiency: N/A
Efficacy: 33.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153743	153743	153743
5°	148746	148003	148003
10°	133503	132734	132174
15°	111882	110153	109956
20°	88339	86543	86543
25°	67611	64951	66186
30°	50174	47608	48682
35°	36267	34690	34901
40°	24978	25450	24236
45°	18657	19436	17853
50°	16183	15888	15888
55°	15223	14563	14893
60°	15603	14467	15224
65°	17116	14507	16708
70°	20091	14653	19538
75°	25818	15770	25086
80°	32035	17158	29952
85°	25491	16994	23515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 32035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	11.2
10°-20°	171.2	24.3
20°-30°	159.5	22.7
30°-40°	105.8	15.0
40°-50°	61.6	8.8
50°-60°	44.8	6.4
60°-70°	37.9	5.4
70°-80°	31.4	4.5
80°-90°	13.1	1.9
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°	409.4	58.2
0°-40°	515.2	73.2
0°-60°	621.7	88.3
0°-90°	704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	860	859	856	856	856	79
15°	628	621	618	617	617	173
25°	356	349	342	343	348	164
35°	172	169	165	166	166	108
45°	77	78	80	76	73	61
55°	51	50	48	50	50	46
65°	42	38	36	38	41	42
75°	39	29	24	29	38	40
85°	13	15	9	14	12	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.7	892.7	892.7	892.7	892.7
1°	893.8	892.7	890.6	891.7	891.7
2°	889.5	888.4	887.4	887.4	887.4
3°	882.0	880.9	879.8	879.8	879.8
4°	871.2	870.1	870.1	869.0	869.0
5°	860.4	859.3	856.1	856.1	856.1
6°	845.3	844.2	842.1	841.0	841.0
7°	827.0	827.0	823.7	822.7	823.7
8°	807.6	806.5	804.3	803.3	803.3
9°	787.1	783.8	783.8	780.6	782.8
10°	763.4	761.2	759.0	756.9	755.8
11°	736.4	735.3	732.1	729.9	728.9
12°	713.8	708.4	706.2	703.0	705.1
13°	684.7	681.4	676.0	674.9	676.0
14°	659.9	653.4	649.1	646.9	645.8
15°	627.5	621.0	617.8	616.7	616.7
17.5°	555.3	551.0	542.3	542.3	542.3
20°	482.0	477.6	472.2	471.2	472.2
22.5°	418.3	410.8	402.2	403.2	409.7
25°	355.8	349.3	341.8	342.9	348.3
27.5°	303.0	294.3	286.8	289.0	292.2
30°	252.3	246.9	239.4	241.5	244.8
32.5°	209.2	205.9	197.3	199.5	202.7
35°	172.5	169.3	165.0	166.0	166.0
37.5°	138.0	138.0	136.9	135.9	134.8
40°	111.1	113.2	113.2	110.0	107.8
42.5°	90.6	92.7	94.9	90.6	87.3
45°	76.6	77.6	79.8	75.5	73.3
47.5°	66.8	66.8	69.0	65.8	64.7
50°	60.4	60.4	59.3	58.2	59.3
52.5°	55.0	53.9	52.8	53.9	53.9
55°	50.7	49.6	48.5	49.6	49.6
57.5°	47.4	46.4	45.3	45.3	46.4
60°	45.3	43.1	42.0	43.1	44.2
62.5°	43.1	39.9	38.8	39.9	42.0
65°	42.0	37.7	35.6	37.7	41.0
67.5°	41.0	35.6	32.3	35.6	39.9
70°	39.9	33.4	29.1	33.4	38.8
72.5°	38.8	31.3	27.0	31.3	38.8
75°	38.8	29.1	23.7	29.1	37.7
77.5°	36.7	27.0	20.5	27.0	35.6
80°	32.3	24.8	17.3	23.7	30.2
82.5°	23.7	21.6	12.9	20.5	22.6
85°	12.9	15.1	8.6	14.0	11.9
87.5°	2.2	3.2	2.2	6.5	4.3



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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)