

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: P1318509

Luminaire Tested: LDSQA3D17R309830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

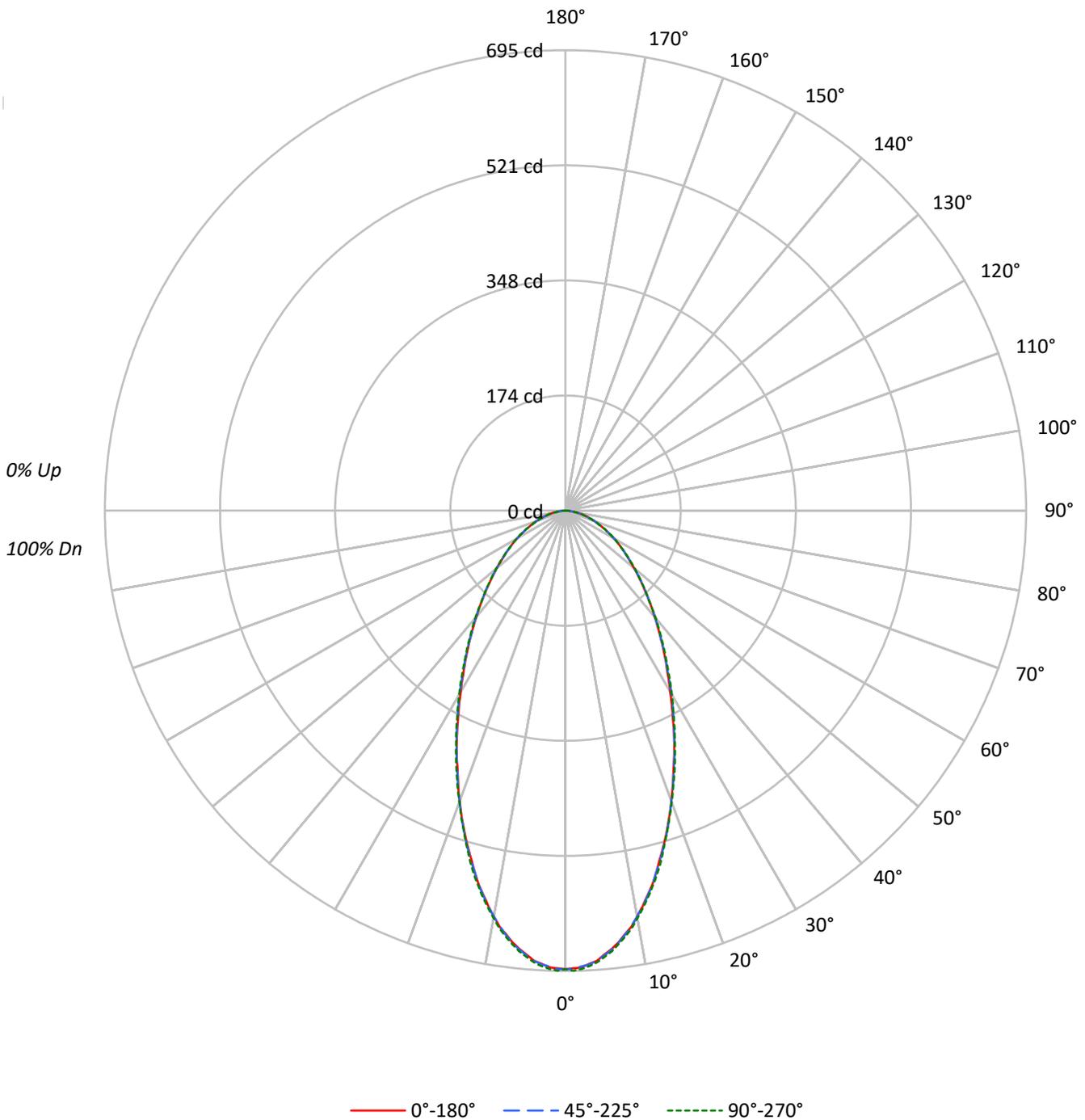
Lumens per Lamp: N/A
Luminaire Lumens: 889.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	60	60	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	49	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	119230	119230	119230
5°	116297	116504	116936
10°	108810	108810	109247
15°	97565	97796	98438
20°	85645	85645	85865
25°	73844	73844	74319
30°	62842	63577	63836
35°	54285	54559	54811
40°	47010	47280	47550
45°	41040	41332	41332
50°	36251	36251	36573
55°	32488	32488	32488
60°	29243	29243	29243
65°	26040	26040	26040
70°	23516	23516	23516
75°	21293	20428	20428
80°	18249	17059	17059
85°	12054	12054	12054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 41332 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	7.1
10°-20°	152.9	17.2
20°-30°	178.6	20.1
30°-40°	162.5	18.3
40°-50°	131.2	14.8
50°-60°	96.9	10.9
60°-70°	63.8	7.2
70°-80°	33.0	3.7
80°-90°	7.5	0.8
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°	394.1	44.3
0°-40°	556.5	62.6
0°-60°	784.7	88.3
0°-90°	889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	673	673	674	674	676	63
15°	547	548	548	548	552	153
25°	389	387	389	389	391	178
35°	258	257	260	260	261	162
45°	168	170	170	170	170	131
55°	108	107	108	107	108	97
65°	64	64	64	64	64	64
75°	32	31	31	31	31	34
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	692.3	692.3	692.3	692.3	692.3
1°	691.1	691.1	692.3	691.1	694.8
2°	689.9	688.6	688.6	688.6	692.3
3°	685.0	685.0	686.2	685.0	688.6
4°	681.3	680.0	681.3	680.0	683.7
5°	672.7	672.7	673.9	673.9	676.4
6°	665.3	665.3	666.5	665.3	669.0
7°	656.7	656.7	656.7	656.7	659.1
8°	645.6	645.6	646.8	646.8	649.3
9°	635.8	634.5	634.5	634.5	638.2
10°	622.2	622.2	622.2	622.2	624.7
11°	608.7	608.7	608.7	608.7	611.2
12°	594.0	594.0	595.2	594.0	597.6
13°	580.4	580.4	580.4	580.4	582.9
14°	564.4	563.2	564.4	564.4	568.1
15°	547.2	548.5	548.5	548.5	552.1
17.5°	507.9	507.9	509.1	506.6	509.1
20°	467.3	466.1	467.3	467.3	468.5
22.5°	425.5	426.7	426.7	426.7	429.2
25°	388.6	387.4	388.6	388.6	391.1
27.5°	350.5	351.7	352.9	351.7	354.2
30°	316.0	318.5	319.7	317.3	321.0
32.5°	285.3	285.3	286.5	287.8	289.0
35°	258.2	257.0	259.5	259.5	260.7
37.5°	232.4	232.4	232.4	233.6	234.9
40°	209.1	209.1	210.3	210.3	211.5
42.5°	188.1	186.9	188.1	188.1	188.1
45°	168.5	169.7	169.7	169.7	169.7
47.5°	151.3	151.3	152.5	151.3	152.5
50°	135.3	135.3	135.3	135.3	136.5
52.5°	120.5	120.5	120.5	120.5	121.7
55°	108.2	107.0	108.2	107.0	108.2
57.5°	95.9	95.9	95.9	95.9	95.9
60°	84.9	83.6	84.9	83.6	84.9
62.5°	73.8	73.8	73.8	73.8	73.8
65°	63.9	63.9	63.9	63.9	63.9
67.5°	55.3	55.3	55.3	54.1	54.1
70°	46.7	46.7	46.7	46.7	46.7
72.5°	39.4	38.1	38.1	38.1	38.1
75°	32.0	30.7	30.7	30.7	30.7
77.5°	24.6	24.6	23.4	23.4	24.6
80°	18.4	17.2	17.2	17.2	17.2
82.5°	11.1	11.1	11.1	11.1	11.1
85°	6.1	6.1	6.1	6.1	6.1
87.5°	1.2	1.2	1.2	2.5	2.5



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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)