

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: P1315741

Luminaire Tested: LDSQA3D17R209735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

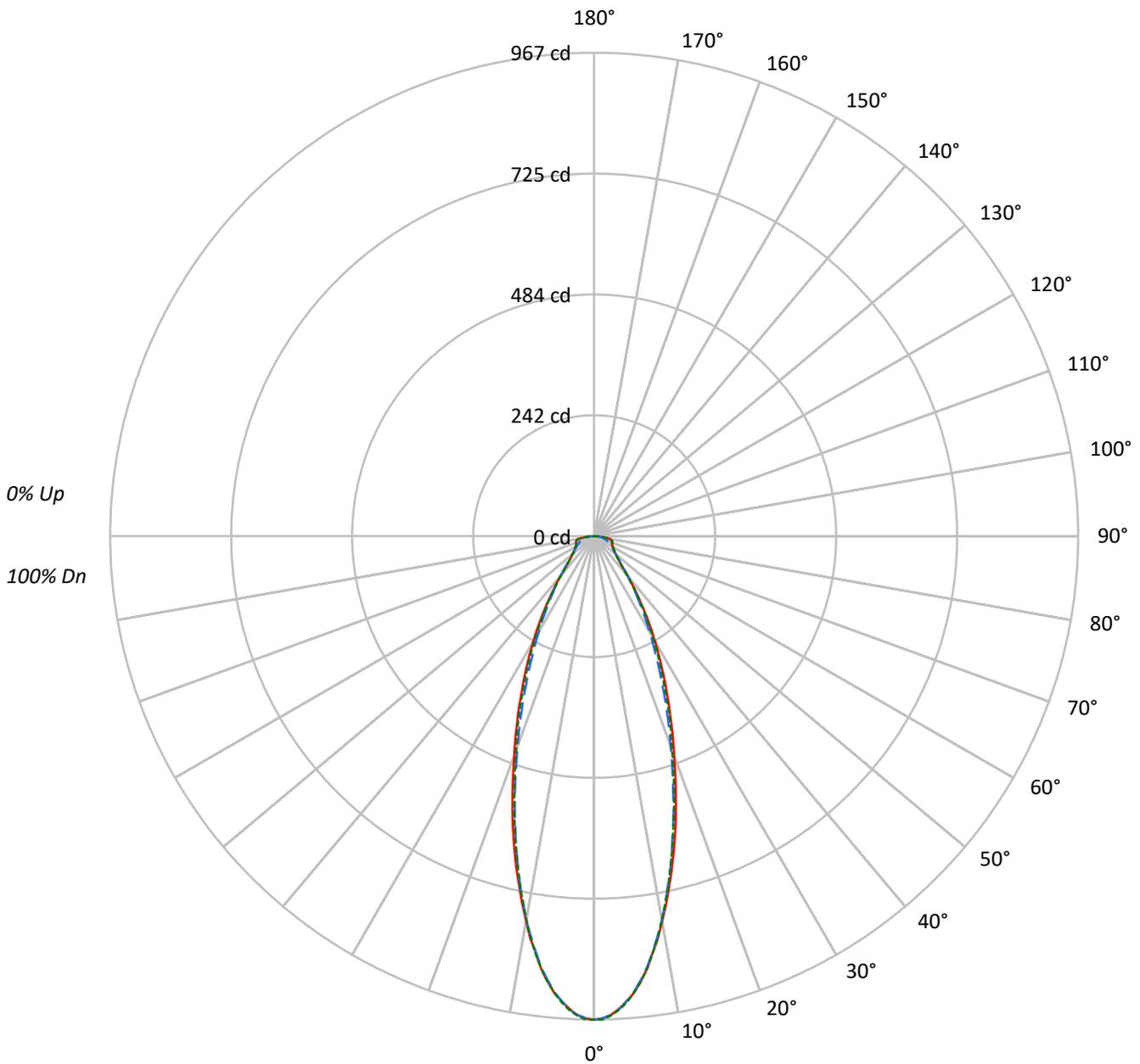
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 682.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	166557	166557	166557
5°	158480	158065	158480
10°	136808	136388	136179
15°	111026	108459	108887
20°	85535	81796	83335
25°	64989	60200	63165
30°	48205	43910	46773
35°	34060	31789	33555
40°	23471	23471	22932
45°	17244	18121	17244
50°	15111	15111	15111
55°	14413	14052	14413
60°	14880	13640	14880
65°	16138	13692	16138
70°	19336	13898	19336
75°	24754	15172	24754
80°	30944	15472	29754
85°	23712	14227	26084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 30944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	12.2
10°-20°	169.4	24.8
20°-30°	151.3	22.2
30°-40°	99.3	14.6
40°-50°	57.7	8.5
50°-60°	42.8	6.3
60°-70°	36.2	5.3
70°-80°	29.9	4.4
80°-90°	12.5	1.8
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°	403.6	59.2
0°-40°	502.9	73.7
0°-60°	603.5	88.5
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	917	916	914	916	917	83
15°	623	617	608	610	611	172
25°	342	332	317	325	332	158
35°	162	157	151	156	160	103
45°	71	72	74	72	71	57
55°	48	47	47	47	48	44
65°	40	36	34	36	40	40
75°	37	28	23	28	37	38
85°	12	13	7	13	13	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.1	967.1	967.1	967.1	967.1
1°	964.7	965.9	964.7	965.9	967.1
2°	958.7	959.9	958.7	958.7	959.9
3°	946.7	947.9	947.9	947.9	949.1
4°	932.3	933.5	932.3	933.5	934.7
5°	916.7	915.5	914.3	915.5	916.7
6°	895.1	893.9	892.7	893.9	895.1
7°	871.1	869.9	868.7	868.7	869.9
8°	841.1	842.3	838.7	841.1	842.3
9°	814.7	812.3	809.9	809.9	812.3
10°	782.3	779.9	779.9	778.7	778.7
12.5°	703.1	698.3	694.7	694.7	695.9
15°	622.7	616.7	608.3	609.5	610.7
17.5°	542.3	535.1	524.3	526.7	529.1
20°	466.7	459.5	446.3	451.1	454.7
22.5°	401.9	391.1	379.1	382.7	394.7
25°	342.0	332.4	316.8	325.2	332.4
27.5°	289.2	278.4	265.2	273.6	280.8
30°	242.4	232.8	220.8	228.0	235.2
32.5°	200.4	192.0	183.6	188.4	194.4
35°	162.0	157.2	151.2	156.0	159.6
37.5°	130.8	128.4	126.0	128.4	127.2
40°	104.4	105.6	104.4	104.4	102.0
42.5°	82.8	86.4	87.6	85.2	82.8
45°	70.8	72.0	74.4	72.0	70.8
47.5°	62.4	62.4	63.6	62.4	61.2
50°	56.4	56.4	56.4	56.4	56.4
52.5°	51.6	51.6	50.4	51.6	51.6
55°	48.0	46.8	46.8	46.8	48.0
57.5°	45.6	44.4	43.2	44.4	45.6
60°	43.2	40.8	39.6	40.8	43.2
62.5°	40.8	38.4	37.2	38.4	40.8
65°	39.6	36.0	33.6	36.0	39.6
67.5°	38.4	33.6	31.2	33.6	39.6
70°	38.4	31.2	27.6	32.4	38.4
72.5°	37.2	30.0	25.2	30.0	37.2
75°	37.2	27.6	22.8	27.6	37.2
77.5°	34.8	25.2	19.2	25.2	34.8
80°	31.2	22.8	15.6	22.8	30.0
82.5°	22.8	19.2	12.0	19.2	22.8
85°	12.0	13.2	7.2	13.2	13.2
87.5°	1.2	4.8	2.4	7.2	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)