

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: P1315774

Luminaire Tested: LDSQA3D17R309735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315774
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: LDSQA3D17R309735DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

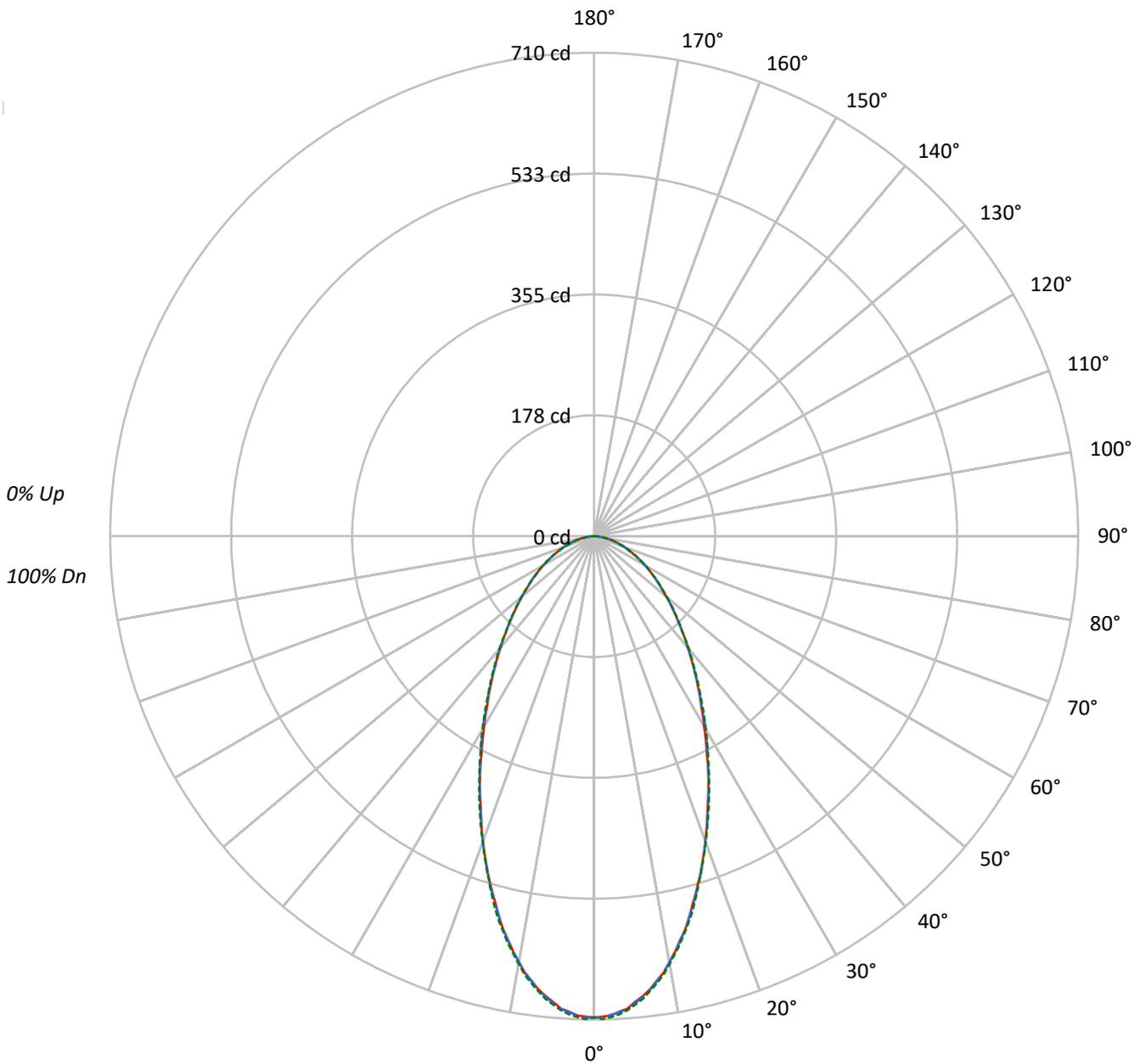
Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	121779	121779	121779
5°	118769	118994	119426
10°	111136	111136	111591
15°	99651	99883	100542
20°	87477	87477	87697
25°	75422	75422	75897
30°	64194	64949	65188
35°	55463	55715	55988
40°	47999	48291	48561
45°	41917	42209	42209
50°	37028	37028	37350
55°	33179	33179	33179
60°	29863	29863	29863
65°	26611	26611	26611
70°	24019	24019	24019
75°	21759	20894	20894
80°	18646	17456	17456
85°	12449	12449	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 42209 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	7.1
10°-20°	156.1	17.2
20°-30°	182.4	20.1
30°-40°	165.9	18.3
40°-50°	134.0	14.8
50°-60°	99.0	10.9
60°-70°	65.2	7.2
70°-80°	33.7	3.7
80°-90°	7.7	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°	402.5	44.3
0°-40°	568.4	62.6
0°-60°	801.5	88.3
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	687	687	688	688	691	64
15°	559	560	560	560	564	156
25°	397	396	397	397	399	182
35°	264	262	265	265	266	165
45°	172	173	173	173	173	134
55°	110	109	110	109	110	99
65°	65	65	65	65	65	65
75°	33	31	31	31	31	35
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°	707.1	707.1	707.1	707.1	707.1
1°	705.9	705.9	707.1	705.9	709.6
2°	704.6	703.4	703.4	703.4	707.1
3°	699.6	699.6	700.9	699.6	703.4
4°	695.8	694.6	695.8	694.6	698.3
5°	687.0	687.0	688.3	688.3	690.8
6°	679.5	679.5	680.8	679.5	683.3
7°	670.7	670.7	670.7	670.7	673.2
8°	659.4	659.4	660.7	660.7	663.2
9°	649.4	648.1	648.1	648.1	651.9
10°	635.5	635.5	635.5	635.5	638.1
11°	621.7	621.7	621.7	621.7	624.2
12°	606.7	606.7	607.9	606.7	610.4
13°	592.8	592.8	592.8	592.8	595.3
14°	576.5	575.3	576.5	576.5	580.3
15°	558.9	560.2	560.2	560.2	563.9
17.5°	518.7	518.7	520.0	517.5	520.0
20°	477.3	476.0	477.3	477.3	478.5
22.5°	434.6	435.8	435.8	435.8	438.3
25°	396.9	395.6	396.9	396.9	399.4
27.5°	358.0	359.2	360.5	359.2	361.7
30°	322.8	325.3	326.6	324.1	327.8
32.5°	291.4	291.4	292.7	293.9	295.2
35°	263.8	262.5	265.0	265.0	266.3
37.5°	237.4	237.4	237.4	238.6	239.9
40°	213.5	213.5	214.8	214.8	216.0
42.5°	192.2	190.9	192.2	192.2	192.2
45°	172.1	173.3	173.3	173.3	173.3
47.5°	154.5	154.5	155.7	154.5	155.7
50°	138.2	138.2	138.2	138.2	139.4
52.5°	123.1	123.1	123.1	123.1	124.3
55°	110.5	109.3	110.5	109.3	110.5
57.5°	98.0	98.0	98.0	98.0	98.0
60°	86.7	85.4	86.7	85.4	86.7
62.5°	75.4	75.4	75.4	75.4	75.4
65°	65.3	65.3	65.3	65.3	65.3
67.5°	56.5	56.5	56.5	55.3	55.3
70°	47.7	47.7	47.7	47.7	47.7
72.5°	40.2	38.9	38.9	38.9	38.9
75°	32.7	31.4	31.4	31.4	31.4
77.5°	25.1	25.1	23.9	23.9	25.1
80°	18.8	17.6	17.6	17.6	17.6
82.5°	11.3	11.3	11.3	11.3	11.3
85°	6.3	6.3	6.3	6.3	6.3
87.5°	1.3	1.3	1.3	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)