

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: P1313970

Luminaire Tested: LDSQA3D20R259727D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259727D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

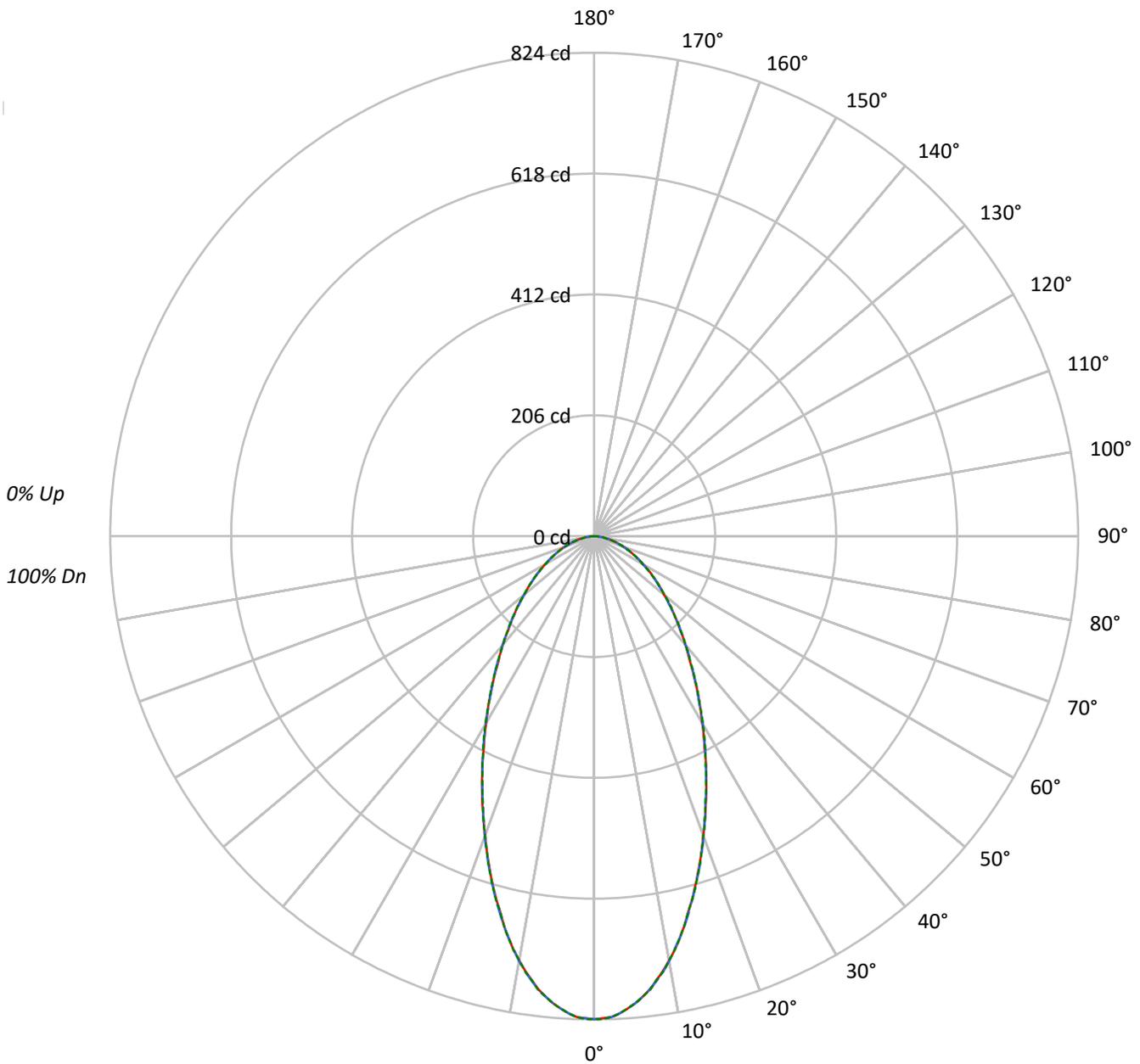
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1031.1 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141825	141825	141825
5°	138201	138201	138201
10°	128431	128676	128431
15°	114539	114788	114788
20°	99574	99848	99574
25°	85778	85512	85512
30°	73163	73441	73719
35°	62779	62779	63074
40°	54407	54407	54407
45°	47567	47567	47567
50°	41690	41690	42092
55°	37382	37382	37382
60°	33136	33136	33136
65°	29993	29993	29993
70°	27091	26386	27091
75°	24487	23556	23556
80°	19637	19637	19637
85°	14030	14030	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 47567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	7.2
10°-20°	179.2	17.4
20°-30°	207.1	20.1
30°-40°	187.8	18.2
40°-50°	151.4	14.7
50°-60°	111.5	10.8
60°-70°	73.3	7.1
70°-80°	37.9	3.7
80°-90°	8.6	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°	460.7	44.7
0°-40°	648.5	62.9
0°-60°	911.3	88.4
0°-90°	1031.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	799	802	799	799	799	74
15°	642	644	644	642	644	179
25°	451	450	450	451	450	207
35°	299	299	299	299	300	187
45°	195	195	195	195	195	151
55°	124	124	124	123	124	112
65°	74	74	74	74	74	73
75°	37	35	35	35	35	38
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.5	823.5	823.5	823.5	823.5
1°	822.1	824.9	822.1	822.1	823.5
2°	820.7	822.1	820.7	820.7	820.7
3°	815.0	817.8	815.0	815.0	815.0
4°	807.9	810.8	807.9	807.9	807.9
5°	799.4	802.3	799.4	799.4	799.4
6°	789.5	791.0	789.5	789.5	789.5
7°	778.2	779.6	778.2	778.2	779.6
8°	764.1	765.5	765.5	764.1	764.1
9°	749.9	751.3	751.3	749.9	751.3
10°	734.4	735.8	735.8	734.4	734.4
11°	718.8	720.2	717.4	717.4	718.8
12°	700.4	701.8	700.4	700.4	700.4
13°	682.0	682.0	682.0	682.0	682.0
14°	660.8	663.6	663.6	662.2	660.8
15°	642.4	643.8	643.8	642.4	643.8
17.5°	592.9	595.7	594.3	594.3	594.3
20°	543.3	544.8	544.8	543.3	543.3
22.5°	496.6	495.2	495.2	495.2	495.2
25°	451.4	450.0	450.0	451.4	450.0
27.5°	407.5	408.9	408.9	407.5	408.9
30°	367.9	367.9	369.3	367.9	370.7
32.5°	332.5	332.5	331.1	332.5	332.5
35°	298.6	298.6	298.6	298.6	300.0
37.5°	267.4	268.8	270.3	270.3	268.8
40°	242.0	242.0	242.0	242.0	242.0
42.5°	216.5	216.5	217.9	217.9	217.9
45°	195.3	195.3	195.3	195.3	195.3
47.5°	175.5	175.5	174.0	174.0	175.5
50°	155.6	157.1	155.6	155.6	157.1
52.5°	140.1	138.7	138.7	140.1	140.1
55°	124.5	124.5	124.5	123.1	124.5
57.5°	110.4	110.4	109.0	109.0	109.0
60°	96.2	96.2	96.2	96.2	96.2
62.5°	84.9	84.9	84.9	84.9	84.9
65°	73.6	73.6	73.6	73.6	73.6
67.5°	63.7	63.7	63.7	63.7	62.3
70°	53.8	53.8	52.4	52.4	53.8
72.5°	43.9	43.9	43.9	43.9	43.9
75°	36.8	35.4	35.4	35.4	35.4
77.5°	28.3	28.3	26.9	28.3	26.9
80°	19.8	19.8	19.8	19.8	19.8
82.5°	14.1	12.7	12.7	12.7	12.7
85°	7.1	7.1	7.1	7.1	7.1
87.5°	1.4	1.4	1.4	1.4	2.8



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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)