

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: P1311612

Luminaire Tested: LDSQA3D17R209040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

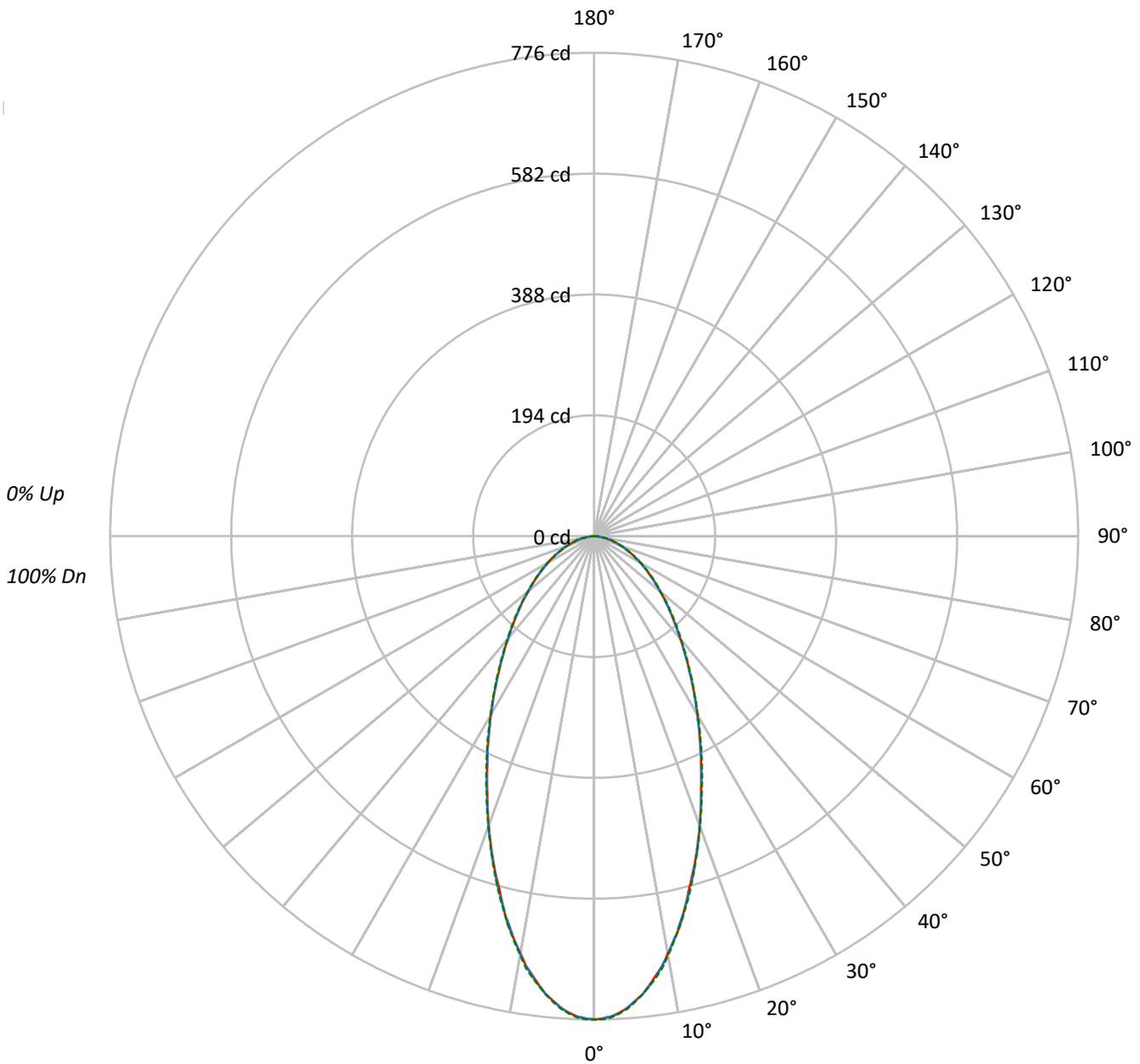
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 928.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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% 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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133628	133628	133628
5°	129574	129574	129816
10°	118970	119198	119443
15°	104732	105231	105481
20°	90648	90648	90905
25°	77132	77132	77664
30°	65844	65566	66123
35°	56220	56220	56514
40°	48269	48269	48584
45°	42185	42185	42526
50°	37108	37108	37108
55°	32879	32879	33269
60°	29588	29588	29588
65°	26529	26529	26529
70°	23717	23717	23717
75°	21227	20295	21227
80°	17852	17852	17852
85°	10868	10868	13635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 42526 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	7.5
10°-20°	164.3	17.7
20°-30°	187.0	20.2
30°-40°	168.0	18.1
40°-50°	134.6	14.5
50°-60°	98.9	10.7
60°-70°	64.6	7.0
70°-80°	33.5	3.6
80°-90°	7.8	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°	420.7	45.3
0°-40°	588.6	63.4
0°-60°	822.1	88.6
0°-90°	928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	750	750	750	750	751	69
15°	587	587	590	590	592	164
25°	406	406	406	407	409	187
35°	267	267	267	267	269	168
45°	173	173	173	173	175	134
55°	110	110	110	110	111	99
65°	65	64	65	65	65	65
75°	32	30	30	32	32	34
85°	6	6	6	7	7	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.9	775.9	775.9	775.9	775.9
1°	774.5	773.1	774.5	774.5	775.9
2°	771.7	771.7	771.7	770.3	773.1
3°	766.2	766.2	767.5	766.2	767.5
4°	759.2	759.2	759.2	757.8	760.6
5°	749.5	749.5	749.5	749.5	750.9
6°	739.8	738.4	739.8	738.4	739.8
7°	726.0	726.0	727.4	726.0	727.4
8°	712.1	710.7	713.5	712.1	714.9
9°	698.3	696.9	698.3	696.9	701.0
10°	680.3	681.6	681.6	681.6	683.0
12.5°	638.7	635.9	635.9	635.9	638.7
15°	587.4	587.4	590.2	590.2	591.6
17.5°	541.7	540.3	543.1	543.1	543.1
20°	494.6	493.2	494.6	494.6	496.0
22.5°	447.5	448.9	448.9	448.9	450.3
25°	405.9	405.9	405.9	407.3	408.7
27.5°	367.1	365.8	367.1	368.5	369.9
30°	331.1	329.7	329.7	331.1	332.5
32.5°	297.9	296.5	297.9	297.9	299.3
35°	267.4	267.4	267.4	267.4	268.8
37.5°	239.7	239.7	239.7	241.1	241.1
40°	214.7	214.7	214.7	216.1	216.1
42.5°	192.6	192.6	192.6	194.0	195.3
45°	173.2	173.2	173.2	173.2	174.6
47.5°	155.2	155.2	155.2	156.6	156.6
50°	138.5	137.2	138.5	139.9	138.5
52.5°	123.3	123.3	123.3	123.3	124.7
55°	109.5	109.5	109.5	109.5	110.8
57.5°	97.0	97.0	97.0	98.4	98.4
60°	85.9	85.9	85.9	85.9	85.9
62.5°	74.8	74.8	74.8	74.8	74.8
65°	65.1	63.7	65.1	65.1	65.1
67.5°	55.4	55.4	55.4	55.4	55.4
70°	47.1	47.1	47.1	47.1	47.1
72.5°	38.8	38.8	38.8	38.8	38.8
75°	31.9	30.5	30.5	31.9	31.9
77.5°	24.9	23.6	24.9	24.9	24.9
80°	18.0	18.0	18.0	18.0	18.0
82.5°	11.1	11.1	11.1	12.5	12.5
85°	5.5	5.5	5.5	6.9	6.9
87.5°	1.4	1.4	1.4	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)