

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: P1320390

Luminaire Tested: LDSQA3D20R259840D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320390
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: LDSQA3D20R259840D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

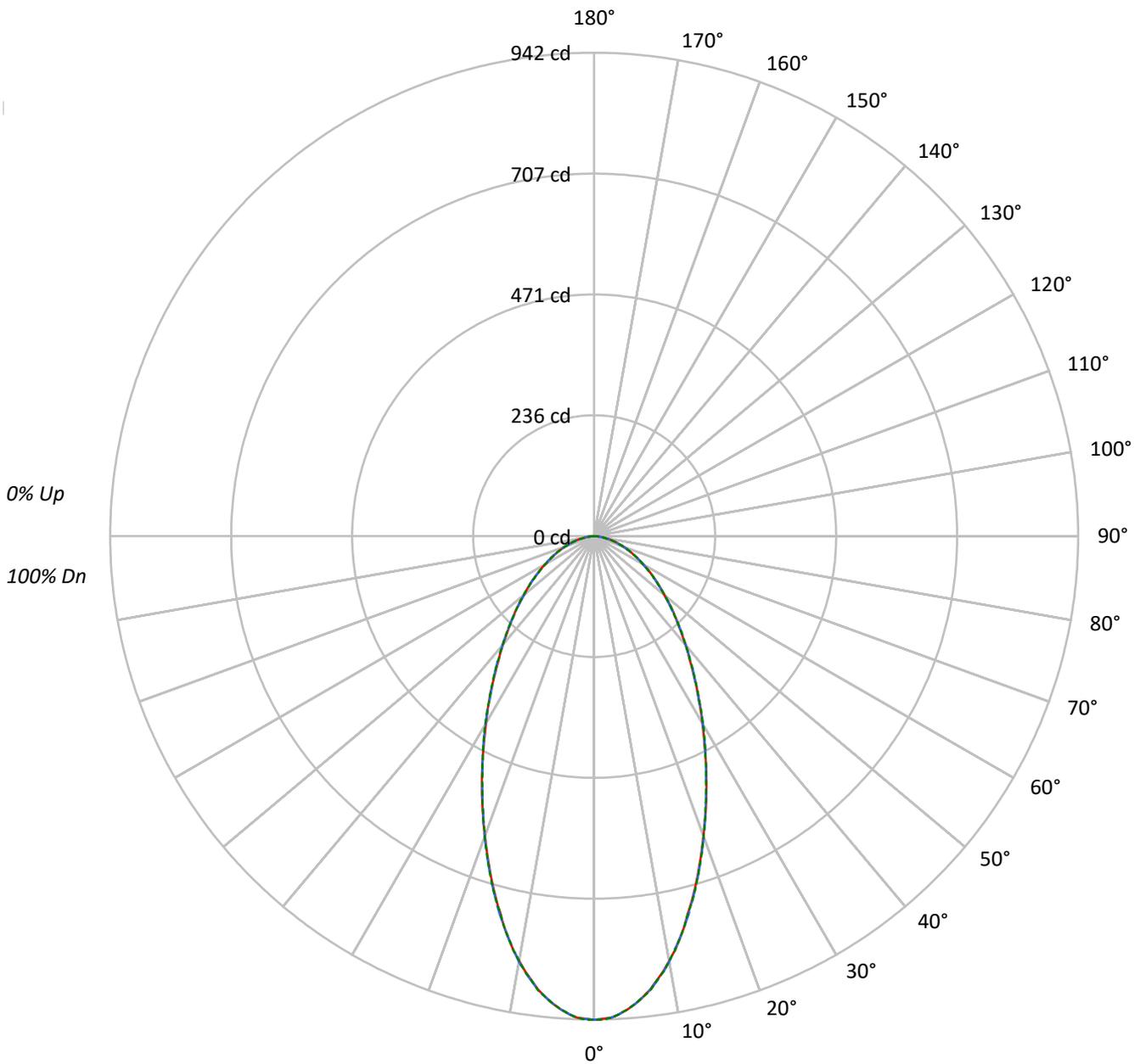
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1180.0 lumens
Efficiency: N/A
Efficacy: 43.1 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): 27.4
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

TEST NUMBER: P1320390
CATALOG NUMBER: LDSQA3D20R259840D010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270°



TEST NUMBER: P1320390
 CATALOG NUMBER: LDSQA3D20R259840D010 3LSQPHRLD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	162320	162320	162320
5°	158186	158186	158186
10°	146986	147266	146986
15°	131085	131370	131370
20°	113979	114272	113979
25°	98168	97864	97864
30°	83742	84060	84379
35°	71841	71841	72177
40°	62253	62253	62253
45°	54436	54436	54436
50°	47718	47718	48174
55°	42787	42787	42787
60°	37923	37923	37923
65°	34313	34313	34313
70°	30968	30162	30968
75°	28014	26949	26949
80°	22514	22514	22514
85°	16006	16006	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 54436 cd/sqm



TEST NUMBER: P1320390
 CATALOG NUMBER: LDSQA3D20R259840D010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	7.2
10°-20°	205.1	17.4
20°-30°	237.1	20.1
30°-40°	214.9	18.2
40°-50°	173.2	14.7
50°-60°	127.6	10.8
60°-70°	83.9	7.1
70°-80°	43.3	3.7
80°-90°	9.8	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°	527.2	44.7
0°-40°	742.2	62.9
0°-60°	1042.9	88.4
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	915	918	915	915	915	85
15°	735	737	737	735	737	205
25°	517	515	515	517	515	237
35°	342	342	342	342	343	215
45°	224	224	224	224	224	173
55°	142	142	142	141	142	128
65°	84	84	84	84	84	84
75°	42	40	40	40	40	44
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



TEST NUMBER: P1320390

CATALOG NUMBER: LDSQA3D20R259840D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	942.5	942.5	942.5	942.5	942.5
1°	940.9	944.1	940.9	940.9	942.5
2°	939.3	940.9	939.3	939.3	939.3
3°	932.8	936.0	932.8	932.8	932.8
4°	924.7	927.9	924.7	924.7	924.7
5°	915.0	918.2	915.0	915.0	915.0
6°	903.6	905.3	903.6	903.6	903.6
7°	890.7	892.3	890.7	890.7	892.3
8°	874.5	876.1	876.1	874.5	874.5
9°	858.3	859.9	859.9	858.3	859.9
10°	840.5	842.1	842.1	840.5	840.5
11°	822.7	824.3	821.1	821.1	822.7
12°	801.6	803.2	801.6	801.6	801.6
13°	780.6	780.6	780.6	780.6	780.6
14°	756.3	759.5	759.5	757.9	756.3
15°	735.2	736.8	736.8	735.2	736.8
17.5°	678.5	681.8	680.2	680.2	680.2
20°	621.9	623.5	623.5	621.9	621.9
22.5°	568.4	566.8	566.8	566.8	566.8
25°	516.6	515.0	515.0	516.6	515.0
27.5°	466.4	468.0	468.0	466.4	468.0
30°	421.1	421.1	422.7	421.1	424.3
32.5°	380.6	380.6	378.9	380.6	380.6
35°	341.7	341.7	341.7	341.7	343.3
37.5°	306.1	307.7	309.3	309.3	307.7
40°	276.9	276.9	276.9	276.9	276.9
42.5°	247.8	247.8	249.4	249.4	249.4
45°	223.5	223.5	223.5	223.5	223.5
47.5°	200.8	200.8	199.2	199.2	200.8
50°	178.1	179.8	178.1	178.1	179.8
52.5°	160.3	158.7	158.7	160.3	160.3
55°	142.5	142.5	142.5	140.9	142.5
57.5°	126.3	126.3	124.7	124.7	124.7
60°	110.1	110.1	110.1	110.1	110.1
62.5°	97.2	97.2	97.2	97.2	97.2
65°	84.2	84.2	84.2	84.2	84.2
67.5°	72.9	72.9	72.9	72.9	71.3
70°	61.5	61.5	59.9	59.9	61.5
72.5°	50.2	50.2	50.2	50.2	50.2
75°	42.1	40.5	40.5	40.5	40.5
77.5°	32.4	32.4	30.8	32.4	30.8
80°	22.7	22.7	22.7	22.7	22.7
82.5°	16.2	14.6	14.6	14.6	14.6
85°	8.1	8.1	8.1	8.1	8.1
87.5°	1.6	1.6	1.6	1.6	3.2



TEST NUMBER: P1320390
CATALOG NUMBER: LDSQA3D20R259840D010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)