

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: P1320228

Luminaire Tested: LDSQA3D17R209840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320228
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: LDSQA3D17R209840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

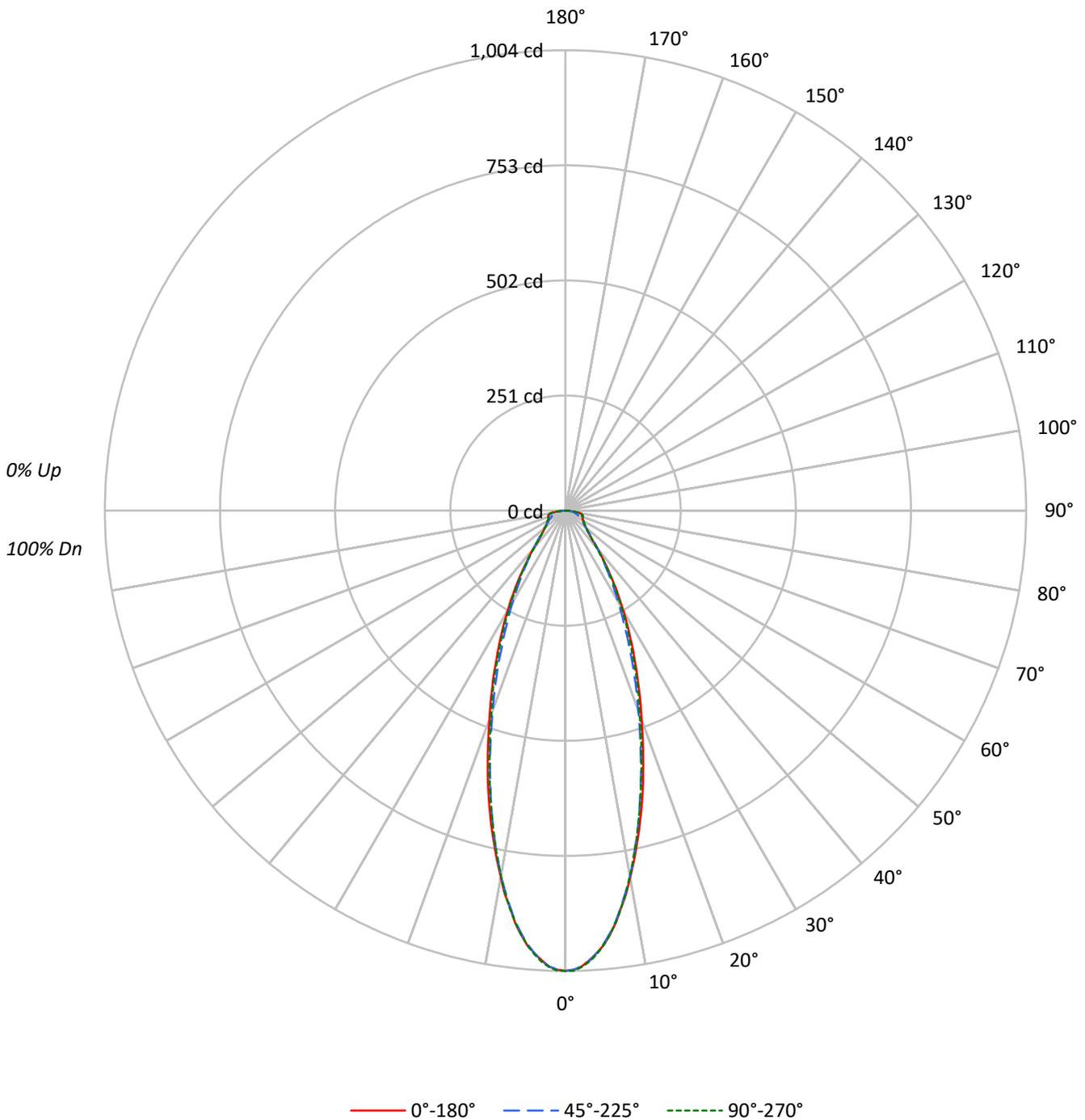
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 708.0 lumens
Efficiency: N/A
Efficacy: 34.7 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): 20.4
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: P1320228
CATALOG NUMBER: LDSQA3D17R209840DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1320228

CATALOG NUMBER: LDSQA3D17R209840DE010 3LSQPHRLP1MW

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°	172894	172894	172894
5°	164513	164081	164513
10°	142020	141582	141373
15°	115270	112595	113041
20°	88797	84930	86524
25°	67459	62481	65559
30°	50035	45580	48543
35°	35363	32987	34838
40°	24371	24371	23809
45°	17902	18803	17902
50°	15674	15674	15674
55°	14953	14593	14953
60°	15431	14157	15431
65°	16749	14222	16749
70°	20091	14401	20091
75°	25685	15770	25685
80°	32134	16067	30845
85°	24700	14820	27072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 32134 cd/sqm



TEST NUMBER: P1320228

CATALOG NUMBER: LDSQA3D17R209840DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	12.2
10°-20°	175.9	24.8
20°-30°	157.0	22.2
30°-40°	103.0	14.6
40°-50°	59.9	8.5
50°-60°	44.5	6.3
60°-70°	37.6	5.3
70°-80°	31.0	4.4
80°-90°	12.9	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°	419.0	59.2
0°-40°	522.1	73.7
0°-60°	626.4	88.5
0°-90°	708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	952	950	949	950	952	86
15°	646	640	632	633	634	179
25°	355	345	329	338	345	164
35°	168	163	157	162	166	107
45°	74	75	77	75	74	59
55°	50	49	49	49	50	45
65°	41	37	35	37	41	41
75°	39	29	24	29	39	40
85°	12	14	8	14	14	15
90°	0	0	0	0	0	



TEST NUMBER: P1320228

CATALOG NUMBER: LDSQA3D17R209840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1003.9	1003.9	1003.9	1003.9	1003.9
1°	1001.4	1002.7	1001.4	1002.7	1003.9
2°	995.2	996.5	995.2	995.2	996.5
3°	982.8	984.0	984.0	984.0	985.3
4°	967.8	969.1	967.8	969.1	970.3
5°	951.6	950.4	949.1	950.4	951.6
6°	929.2	928.0	926.7	928.0	929.2
7°	904.3	903.0	901.8	901.8	903.0
8°	873.2	874.4	870.7	873.2	874.4
9°	845.8	843.3	840.8	840.8	843.3
10°	812.1	809.6	809.6	808.4	808.4
12.5°	729.9	724.9	721.2	721.2	722.4
15°	646.5	640.2	631.5	632.8	634.0
17.5°	563.0	555.5	544.3	546.8	549.3
20°	484.5	477.1	463.4	468.3	472.1
22.5°	417.3	406.1	393.6	397.3	409.8
25°	355.0	345.0	328.8	337.6	345.0
27.5°	300.2	289.0	275.3	284.0	291.5
30°	251.6	241.6	229.2	236.7	244.1
32.5°	208.0	199.3	190.6	195.6	201.8
35°	168.2	163.2	156.9	161.9	165.7
37.5°	135.8	133.3	130.8	133.3	132.0
40°	108.4	109.6	108.4	108.4	105.9
42.5°	85.9	89.7	90.9	88.4	85.9
45°	73.5	74.7	77.2	74.7	73.5
47.5°	64.8	64.8	66.0	64.8	63.5
50°	58.5	58.5	58.5	58.5	58.5
52.5°	53.6	53.6	52.3	53.6	53.6
55°	49.8	48.6	48.6	48.6	49.8
57.5°	47.3	46.1	44.8	46.1	47.3
60°	44.8	42.3	41.1	42.3	44.8
62.5°	42.3	39.9	38.6	39.9	42.3
65°	41.1	37.4	34.9	37.4	41.1
67.5°	39.9	34.9	32.4	34.9	41.1
70°	39.9	32.4	28.6	33.6	39.9
72.5°	38.6	31.1	26.2	31.1	38.6
75°	38.6	28.6	23.7	28.6	38.6
77.5°	36.1	26.2	19.9	26.2	36.1
80°	32.4	23.7	16.2	23.7	31.1
82.5°	23.7	19.9	12.5	19.9	23.7
85°	12.5	13.7	7.5	13.7	13.7
87.5°	1.2	5.0	2.5	7.5	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)