

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: P1317600

Luminaire Tested: LDSQA3D17R209827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317600
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: LDSQA3D17R209827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

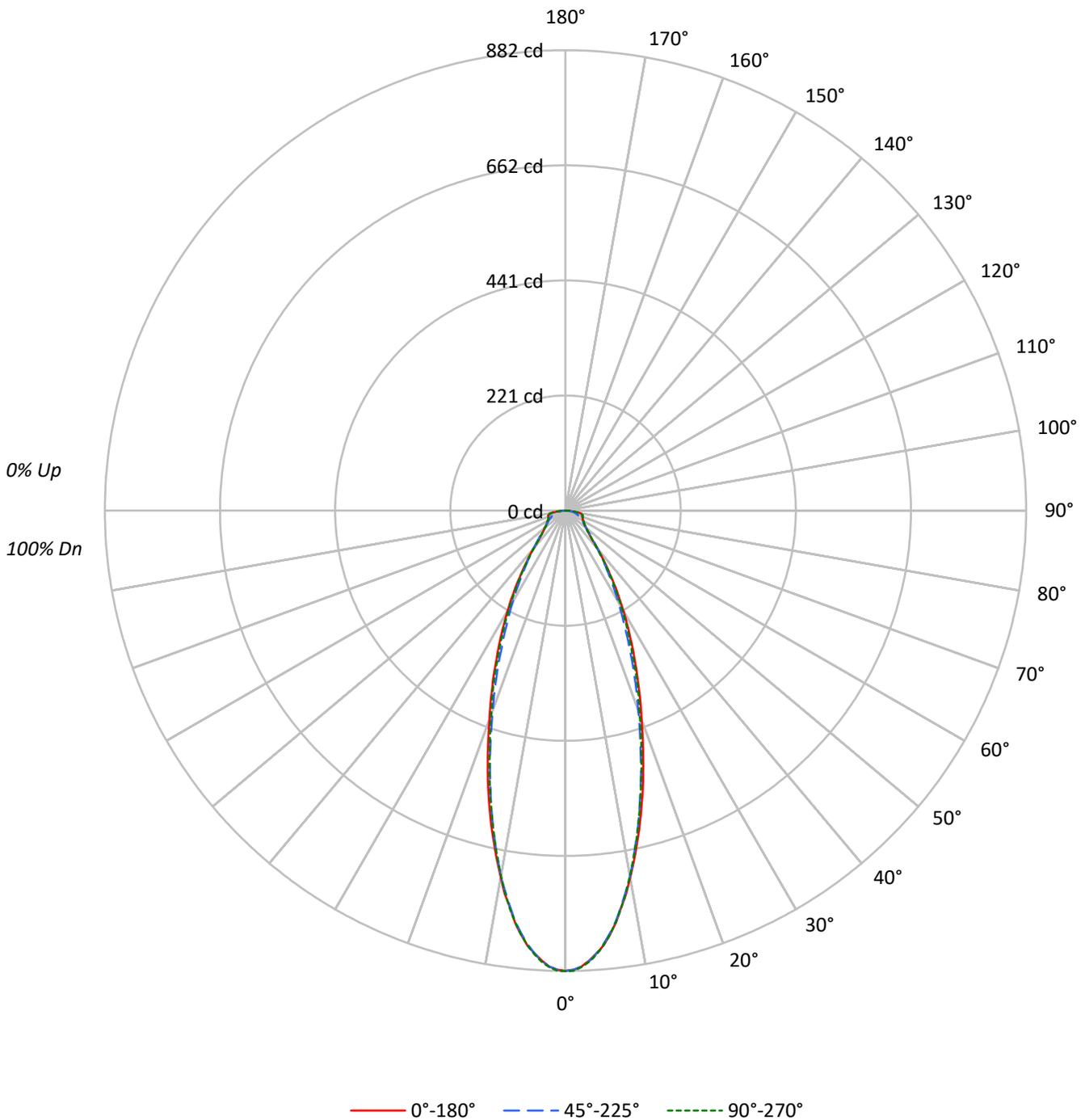
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 30.5 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 (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





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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	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°	151900	151900	151900
5°	144528	144148	144528
10°	124776	124392	124199
15°	101255	98920	99312
20°	78020	74611	76004
25°	59269	54899	57597
30°	43949	40032	42657
35°	31053	28993	30591
40°	21403	21403	20908
45°	15734	16513	15734
50°	13772	13772	13772
55°	13151	12821	13151
60°	13571	12434	13571
65°	14711	12470	14711
70°	17624	12689	17624
75°	22558	13841	22558
80°	28266	14083	27175
85°	21539	13042	23712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 28266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	12.2
10°-20°	154.5	24.8
20°-30°	138.0	22.2
30°-40°	90.5	14.6
40°-50°	52.6	8.5
50°-60°	39.1	6.3
60°-70°	33.0	5.3
70°-80°	27.3	4.4
80°-90°	11.4	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°	368.1	59.2
0°-40°	458.7	73.7
0°-60°	550.4	88.5
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	836	835	834	835	836	76
15°	568	562	555	556	557	157
25°	312	303	289	297	303	144
35°	148	143	138	142	146	94
45°	65	66	68	66	65	52
55°	44	43	43	43	44	40
65°	36	33	31	33	36	36
75°	34	25	21	25	34	35
85°	11	12	7	12	12	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.0	882.0	882.0	882.0	882.0
1°	879.8	880.9	879.8	880.9	882.0
2°	874.3	875.4	874.3	874.3	875.4
3°	863.4	864.5	864.5	864.5	865.6
4°	850.3	851.4	850.3	851.4	852.4
5°	836.0	834.9	833.8	834.9	836.0
6°	816.3	815.2	814.1	815.2	816.3
7°	794.4	793.4	792.3	792.3	793.4
8°	767.1	768.2	764.9	767.1	768.2
9°	743.0	740.8	738.6	738.6	740.8
10°	713.5	711.3	711.3	710.2	710.2
12.5°	641.2	636.9	633.6	633.6	634.7
15°	567.9	562.5	554.8	555.9	557.0
17.5°	494.6	488.1	478.2	480.4	482.6
20°	425.7	419.1	407.1	411.5	414.7
22.5°	366.6	356.7	345.8	349.1	360.0
25°	311.9	303.1	288.9	296.6	303.1
27.5°	263.7	253.9	241.8	249.5	256.1
30°	221.0	212.3	201.3	207.9	214.5
32.5°	182.7	175.1	167.4	171.8	177.3
35°	147.7	143.4	137.9	142.3	145.5
37.5°	119.3	117.1	114.9	117.1	116.0
40°	95.2	96.3	95.2	95.2	93.0
42.5°	75.5	78.8	79.9	77.7	75.5
45°	64.6	65.7	67.8	65.7	64.6
47.5°	56.9	56.9	58.0	56.9	55.8
50°	51.4	51.4	51.4	51.4	51.4
52.5°	47.1	47.1	46.0	47.1	47.1
55°	43.8	42.7	42.7	42.7	43.8
57.5°	41.6	40.5	39.4	40.5	41.6
60°	39.4	37.2	36.1	37.2	39.4
62.5°	37.2	35.0	33.9	35.0	37.2
65°	36.1	32.8	30.6	32.8	36.1
67.5°	35.0	30.6	28.5	30.6	36.1
70°	35.0	28.5	25.2	29.5	35.0
72.5°	33.9	27.4	23.0	27.4	33.9
75°	33.9	25.2	20.8	25.2	33.9
77.5°	31.7	23.0	17.5	23.0	31.7
80°	28.5	20.8	14.2	20.8	27.4
82.5°	20.8	17.5	10.9	17.5	20.8
85°	10.9	12.0	6.6	12.0	12.0
87.5°	1.1	4.4	2.2	6.6	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)