

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: P1318618

Luminaire Tested: LDSQA3D20R209830D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209830D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

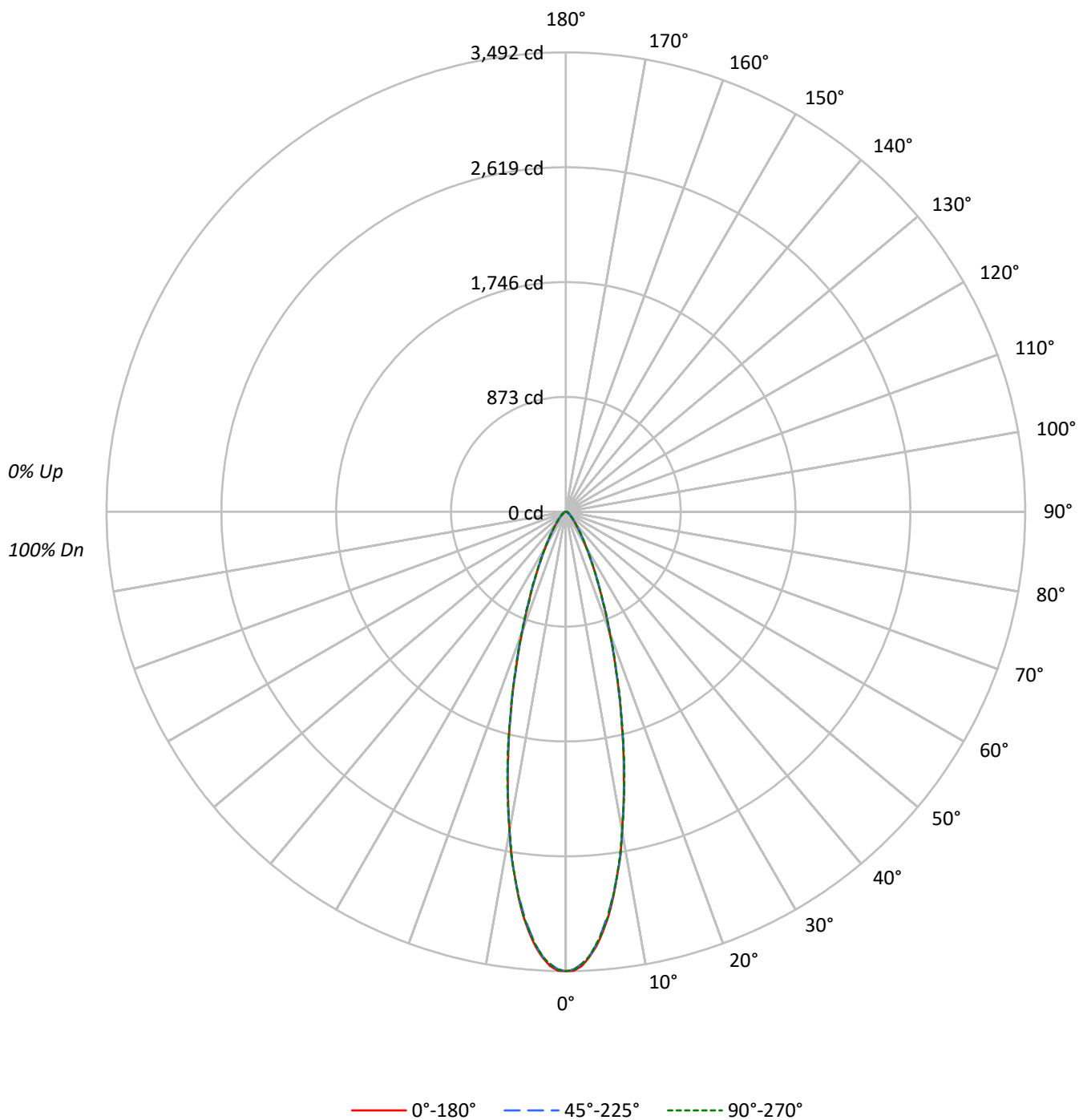
Lumens per Lamp: N/A
Luminaire Lumens: 1227.0 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	601315	601315	601315
5°	554739	551575	553425
10°	430483	431025	431025
15°	290965	292337	292337
20°	176714	178950	179793
25°	103660	105104	104819
30°	60475	61688	61986
35°	36940	37907	37907
40°	24056	24393	24730
45°	16757	17122	17488
50°	12271	12700	12700
55°	9638	10089	10089
60°	8404	8404	8956
65°	7457	7457	8110
70°	6949	6949	6949
75°	6122	6122	6122
80°	4562	4562	6050
85°	2964	2964	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17488 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	22.9
10°-20°	450.9	36.7
20°-30°	261.1	21.3
30°-40°	117.1	9.5
40°-50°	55.5	4.5
50°-60°	30.4	2.5
60°-70°	18.4	1.5
70°-80°	9.9	0.8
80°-90°	2.2	0.2
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°	993.5	81.0
0°-40°	1110.6	90.5
0°-60°	1196.5	97.5
0°-90°	1227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3492	3492	3492	3492	3492	
5°	3209	3198	3190	3197	3201	282
15°	1632	1632	1640	1632	1640	450
25°	546	546	553	549	552	258
35°	176	177	180	182	180	115
45°	69	69	70	70	72	54
55°	32	32	34	34	34	30
65°	18	18	18	18	20	18
75°	9	9	9	9	9	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3491.5	3491.5	3491.5	3491.5	3491.5
1°	3490.0	3480.8	3477.8	3474.7	3483.9
2°	3454.8	3444.1	3438.0	3441.1	3442.6
3°	3392.2	3386.1	3386.1	3381.5	3384.6
4°	3311.2	3299.0	3299.0	3300.5	3300.5
5°	3208.8	3198.1	3190.5	3196.6	3201.2
6°	3094.2	3080.5	3074.4	3075.9	3086.6
7°	2953.7	2935.3	2938.4	2946.0	2946.0
8°	2794.7	2793.2	2796.3	2793.2	2796.3
9°	2648.1	2626.7	2645.0	2629.7	2637.4
10°	2461.6	2460.1	2464.7	2469.3	2464.7
12.5°	2036.8	2044.5	2047.5	2041.4	2055.2
15°	1631.9	1631.9	1639.6	1631.9	1639.6
17.5°	1269.8	1268.3	1274.4	1268.3	1277.4
20°	964.2	974.9	976.4	976.4	981.0
22.5°	727.3	727.3	733.4	735.0	731.9
25°	545.5	545.5	553.1	548.6	551.6
27.5°	403.4	406.5	412.6	415.6	415.6
30°	304.1	305.6	310.2	311.7	311.7
32.5°	229.2	232.3	235.3	236.8	238.4
35°	175.7	177.2	180.3	181.8	180.3
37.5°	134.5	136.0	139.0	140.6	140.6
40°	107.0	107.0	108.5	110.0	110.0
42.5°	84.0	85.6	85.6	87.1	87.1
45°	68.8	68.8	70.3	70.3	71.8
47.5°	55.0	55.0	56.5	58.1	58.1
50°	45.8	45.8	47.4	47.4	47.4
52.5°	38.2	38.2	39.7	39.7	39.7
55°	32.1	32.1	33.6	33.6	33.6
57.5°	27.5	27.5	29.0	29.0	29.0
60°	24.4	24.4	24.4	24.4	26.0
62.5°	21.4	21.4	21.4	21.4	21.4
65°	18.3	18.3	18.3	18.3	19.9
67.5°	15.3	15.3	15.3	15.3	16.8
70°	13.8	13.8	13.8	13.8	13.8
72.5°	10.7	10.7	10.7	12.2	12.2
75°	9.2	9.2	9.2	9.2	9.2
77.5°	7.6	7.6	7.6	7.6	7.6
80°	4.6	4.6	4.6	6.1	6.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	3.1
87.5°	0.0	0.0	0.0	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)