

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: P1319494

Luminaire Tested: LDSQA3D20R209835D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319494
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: LDSQA3D20R209835D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

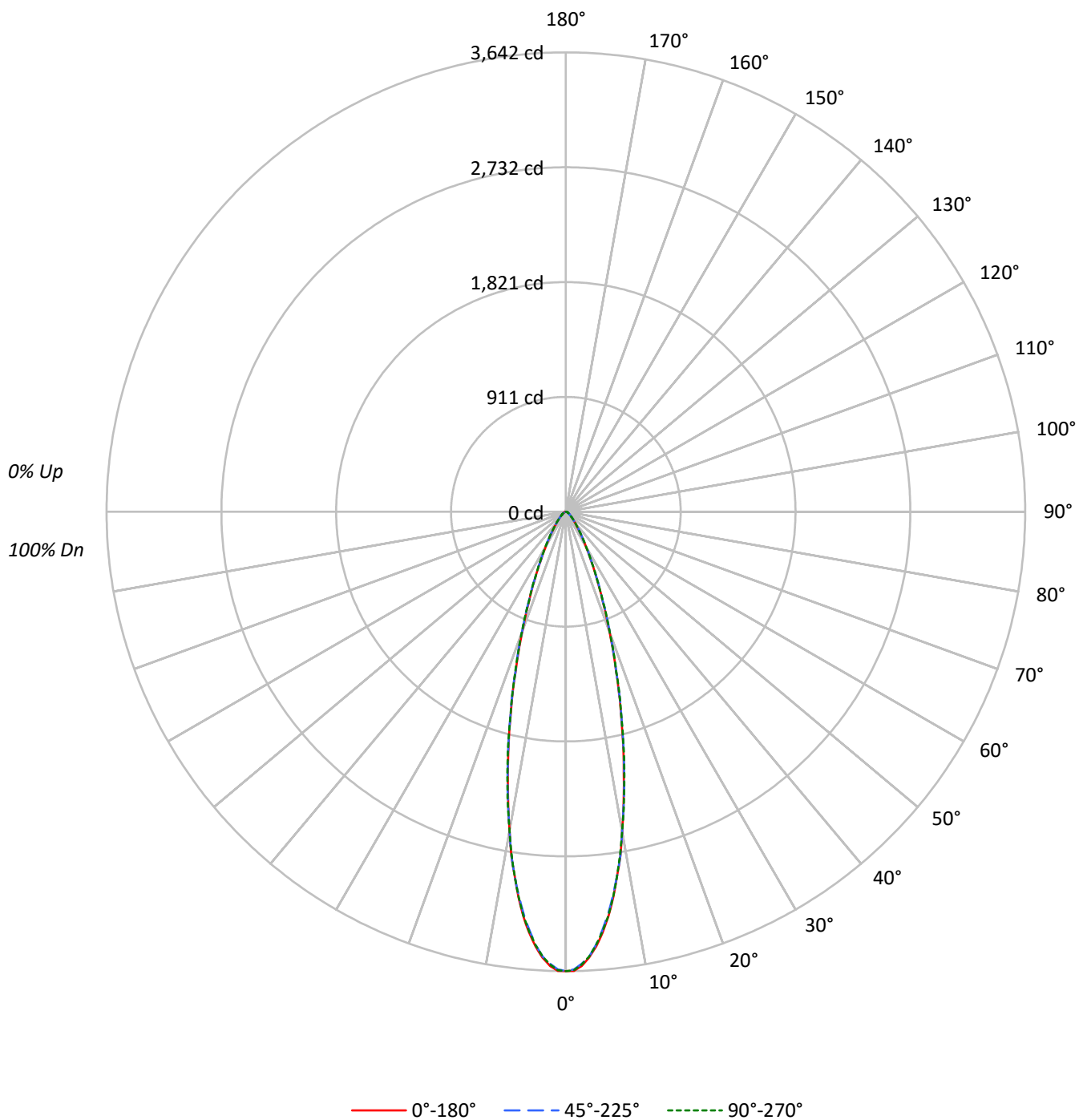
Lumens per Lamp: N/A
Luminaire Lumens: 1280.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	627287	627287	627287
5°	578700	575398	577334
10°	449090	449650	449650
15°	303535	304961	304961
20°	184339	186684	187564
25°	108144	109645	109341
30°	63080	64353	64671
35°	38538	39547	39547
40°	25090	25450	25809
45°	17463	17853	18243
50°	12807	13236	13236
55°	10059	10539	10539
60°	8783	8783	9334
65°	7784	7784	8436
70°	7201	7201	7201
75°	6388	6388	6388
80°	4761	4761	6347
85°	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18243 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	22.9
10°-20°	470.4	36.7
20°-30°	272.4	21.3
30°-40°	122.1	9.5
40°-50°	57.9	4.5
50°-60°	31.7	2.5
60°-70°	19.2	1.5
70°-80°	10.3	0.8
80°-90°	2.3	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°	1036.4	81.0
0°-40°	1158.6	90.5
0°-60°	1248.2	97.5
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3642	3642	3642	3642	3642	
5°	3347	3336	3328	3335	3340	295
15°	1702	1702	1710	1702	1710	469
25°	569	569	577	572	575	270
35°	183	185	188	190	188	120
45°	72	72	73	73	75	57
55°	34	34	35	35	35	31
65°	19	19	19	19	21	19
75°	10	10	10	10	10	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°	3642.3	3642.3	3642.3	3642.3	3642.3
1°	3640.7	3631.2	3628.0	3624.8	3634.4
2°	3604.1	3592.9	3586.5	3589.7	3591.3
3°	3538.7	3532.3	3532.3	3527.6	3530.7
4°	3454.2	3441.5	3441.5	3443.1	3443.1
5°	3347.4	3336.3	3328.3	3334.7	3339.5
6°	3227.9	3213.5	3207.2	3208.8	3219.9
7°	3081.2	3062.1	3065.3	3073.3	3073.3
8°	2915.5	2913.9	2917.1	2913.9	2917.1
9°	2762.4	2740.1	2759.2	2743.3	2751.3
10°	2568.0	2566.4	2571.2	2575.9	2571.2
12.5°	2124.8	2132.8	2136.0	2129.6	2144.0
15°	1702.4	1702.4	1710.4	1702.4	1710.4
17.5°	1324.6	1323.0	1329.4	1323.0	1332.6
20°	1005.8	1017.0	1018.6	1018.6	1023.4
22.5°	758.8	758.8	765.1	766.7	763.5
25°	569.1	569.1	577.0	572.3	575.4
27.5°	420.8	424.0	430.4	433.6	433.6
30°	317.2	318.8	323.6	325.2	325.2
32.5°	239.1	242.3	245.5	247.1	248.7
35°	183.3	184.9	188.1	189.7	188.1
37.5°	140.3	141.9	145.1	146.6	146.6
40°	111.6	111.6	113.2	114.8	114.8
42.5°	87.7	89.3	89.3	90.9	90.9
45°	71.7	71.7	73.3	73.3	74.9
47.5°	57.4	57.4	59.0	60.6	60.6
50°	47.8	47.8	49.4	49.4	49.4
52.5°	39.9	39.9	41.4	41.4	41.4
55°	33.5	33.5	35.1	35.1	35.1
57.5°	28.7	28.7	30.3	30.3	30.3
60°	25.5	25.5	25.5	25.5	27.1
62.5°	22.3	22.3	22.3	22.3	22.3
65°	19.1	19.1	19.1	19.1	20.7
67.5°	15.9	15.9	15.9	15.9	17.5
70°	14.3	14.3	14.3	14.3	14.3
72.5°	11.2	11.2	11.2	12.8	12.8
75°	9.6	9.6	9.6	9.6	9.6
77.5°	8.0	8.0	8.0	8.0	8.0
80°	4.8	4.8	4.8	6.4	6.4
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)