

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: P1318591

Luminaire Tested: LDSQA3D17R709830DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318591  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709830DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

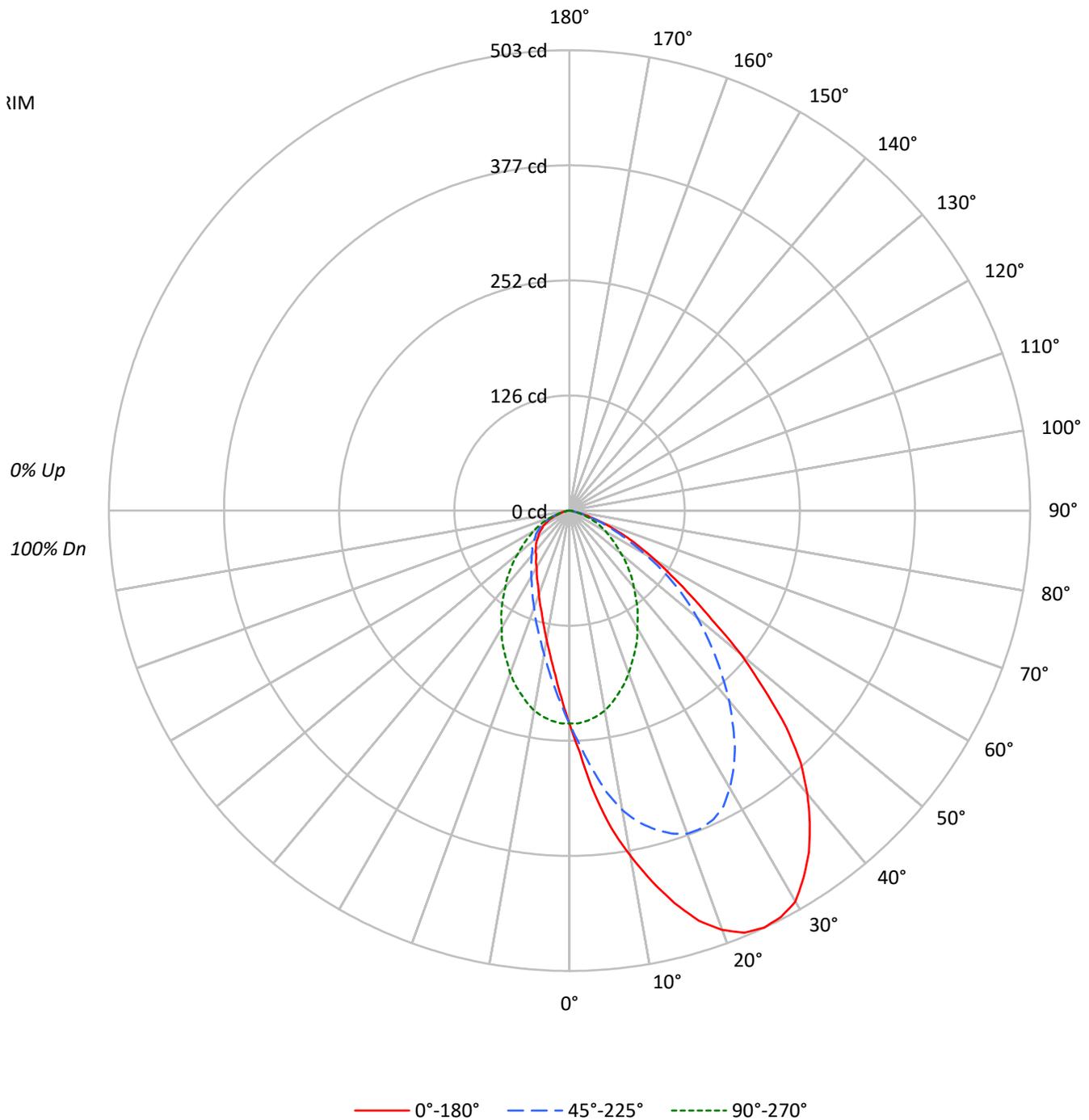
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 568.0 lumens  
Efficiency: N/A  
Efficacy: 27.8 lumens/watt  
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33  
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<sub>in</sub>): 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		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	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	40059	40059	40059	40059	40059
5°	53610	48942	39797	33297	31067
10°	66961	58130	38823	27928	25060
15°	79164	64294	36854	23874	20736
20°	89328	68875	34657	20673	17869
25°	95526	70747	32134	18300	15848
30°	98100	69603	29432	16585	14239
35°	95809	66185	27164	15306	13330
40°	90828	60994	24550	14523	12950
45°	81519	54923	22310	14029	12592
50°	65456	48790	19827	13531	11950
55°	48312	41976	17625	13392	11650
60°	37235	32757	15776	12951	11332
65°	28241	24410	13896	11981	10066
70°	18933	17171	10625	10625	8258
75°	10181	10181	7053	7053	6255
80°	2281	4661	3471	4661	5852
85°	0	2371	2371	4545	4545

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 81519 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.9	4.0
10°-20°	69.7	12.3
20°-30°	107.5	18.9
30°-40°	121.9	21.5
40°-50°	110.3	19.4
50°-60°	77.2	13.6
60°-70°	42.4	7.5
70°-80°	14.2	2.5
80°-90°	1.9	0.3
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°	200.1	35.2
0°-40°	322.0	56.7
0°-60°	509.5	89.7
0°-90°	568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	233	233	233	233	233	
5°	310	283	230	193	180	32
15°	444	361	207	134	116	127
25°	503	372	169	96	83	231
35°	456	315	129	73	63	283
45°	335	226	92	58	52	254
55°	161	140	59	45	39	148
65°	69	60	34	29	25	69
75°	15	15	11	11	9	18
85°	0	1	1	2	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	265.4	267.8	269.0	266.6	265.4	264.3	261.9	260.7	258.4	256.0	254.9
5°	310.1	310.1	310.1	307.7	304.2	301.9	297.2	293.6	287.8	283.1	278.4
7.5°	350.0	350.0	348.8	345.3	343.0	337.1	331.2	326.5	317.1	310.1	300.7
10°	382.9	382.9	381.7	375.8	372.3	365.3	359.4	351.2	341.8	332.4	321.8
12.5°	414.6	414.6	409.9	405.2	398.2	388.8	380.5	372.3	359.4	348.8	335.9
15°	444.0	444.0	441.6	433.4	424.0	413.4	401.7	389.9	374.7	360.6	346.5
17.5°	469.8	468.6	465.1	455.7	446.3	433.4	419.3	405.2	386.4	370.0	352.4
20°	487.4	487.4	482.7	472.2	461.6	447.5	432.2	415.8	395.8	375.8	354.7
22.5°	499.2	498.0	493.3	482.7	469.8	455.7	438.1	420.5	398.2	375.8	353.5
25°	502.7	501.5	496.8	485.1	472.2	456.9	438.1	419.3	395.8	372.3	347.7
27.5°	500.3	499.2	494.5	481.6	468.6	451.0	432.2	412.3	388.8	364.1	339.4
30°	493.3	489.8	485.1	473.3	459.2	441.6	421.7	399.3	375.8	350.0	325.3
32.5°	475.7	475.7	469.8	458.1	444.0	425.2	405.2	384.1	358.2	333.6	307.7
35°	455.7	454.5	449.8	436.9	424.0	406.4	386.4	364.1	339.4	314.8	290.1
37.5°	431.0	429.9	425.2	413.4	399.3	382.9	361.8	340.6	317.1	292.5	270.1
40°	404.0	401.7	395.8	386.4	374.7	355.9	337.1	315.9	293.6	271.3	249.0
42.5°	373.5	371.1	366.5	359.4	345.3	328.9	311.2	291.3	270.1	247.8	231.4
45°	334.7	334.7	332.4	325.3	314.8	301.9	283.1	265.4	245.5	225.5	207.9
47.5°	286.6	288.9	287.8	284.2	279.5	267.8	254.9	239.6	220.8	203.2	186.7
50°	244.3	245.5	246.6	244.3	240.8	232.6	224.3	214.9	198.5	182.1	166.8
52.5°	196.1	199.7	199.7	200.8	200.8	198.5	196.1	185.6	177.4	160.9	146.8
55°	160.9	160.9	160.9	163.3	164.4	165.6	163.3	160.9	151.5	139.8	126.8
57.5°	131.5	131.5	133.9	132.7	132.7	135.1	135.1	133.9	128.0	117.5	105.7
60°	108.1	108.1	108.1	108.1	109.2	109.2	109.2	109.2	104.5	95.1	85.7
62.5°	86.9	86.9	86.9	88.1	88.1	88.1	89.3	88.1	83.4	76.3	68.1
65°	69.3	68.1	69.3	69.3	70.5	70.5	70.5	69.3	64.6	59.9	54.0
67.5°	51.7	52.9	52.9	52.9	54.0	55.2	54.0	52.9	49.3	44.6	42.3
70°	37.6	38.8	38.8	38.8	39.9	41.1	39.9	38.8	36.4	34.1	31.7
72.5°	24.7	25.8	25.8	27.0	28.2	28.2	27.0	27.0	25.8	23.5	22.3
75°	15.3	15.3	16.4	16.4	17.6	17.6	17.6	16.4	16.4	15.3	15.3
77.5°	7.0	7.0	8.2	8.2	8.2	9.4	9.4	9.4	9.4	9.4	8.2
80°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	4.7	4.7	4.7
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	252.5	249.0	244.3	232.6	220.8	211.4	205.5	204.4
5°	272.5	266.6	256.0	230.2	209.1	192.6	183.2	179.7
7.5°	292.5	281.9	266.6	226.7	195.0	175.0	164.4	159.7
10°	308.9	296.0	276.0	222.0	183.2	159.7	146.8	143.3
12.5°	321.8	306.5	281.9	214.9	171.5	145.6	132.7	129.2
15°	330.0	313.6	285.4	206.7	159.7	133.9	121.0	116.3
17.5°	333.6	313.6	284.2	198.5	149.2	123.3	110.4	106.9
20°	333.6	311.2	280.7	189.1	138.6	112.8	101.0	97.5
22.5°	330.0	306.5	272.5	178.5	129.2	104.5	92.8	89.3
25°	323.0	297.2	263.1	169.1	119.8	96.3	85.7	83.4
27.5°	312.4	286.6	251.3	159.7	111.6	89.3	79.9	77.5
30°	299.5	273.7	238.4	148.0	103.4	83.4	75.2	71.6
32.5°	283.1	258.4	224.3	138.6	96.3	77.5	70.5	68.1
35°	265.4	243.1	209.1	129.2	89.3	72.8	65.8	63.4
37.5°	247.8	224.3	196.1	118.6	83.4	68.1	62.2	59.9
40°	229.0	211.4	182.1	109.2	78.7	64.6	58.7	57.6
42.5°	210.2	191.4	162.1	101.0	72.8	59.9	55.2	54.0
45°	187.9	170.3	146.8	91.6	68.1	57.6	52.9	51.7
47.5°	169.1	152.7	131.5	83.4	63.4	54.0	49.3	48.2
50°	151.5	135.1	115.1	74.0	58.7	50.5	47.0	44.6
52.5°	131.5	117.5	99.8	65.8	54.0	47.0	43.5	42.3
55°	113.9	99.8	83.4	58.7	49.3	44.6	39.9	38.8
57.5°	94.0	82.2	70.5	51.7	44.6	39.9	37.6	35.2
60°	76.3	68.1	59.9	45.8	39.9	37.6	34.1	32.9
62.5°	62.2	56.4	50.5	39.9	35.2	32.9	30.5	28.2
65°	49.3	45.8	41.1	34.1	30.5	29.4	27.0	24.7
67.5°	38.8	36.4	32.9	27.0	25.8	24.7	22.3	20.0
70°	29.4	28.2	25.8	21.1	20.0	21.1	18.8	16.4
72.5°	21.1	20.0	18.8	15.3	15.3	15.3	14.1	11.7
75°	14.1	12.9	11.7	10.6	10.6	10.6	10.6	9.4
77.5°	8.2	8.2	7.0	5.9	7.0	7.0	8.2	8.2
80°	3.5	3.5	3.5	3.5	4.7	4.7	5.9	5.9
82.5°	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)