

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: P1312950

Luminaire Tested: LDSQA3D20R709050D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709050D010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

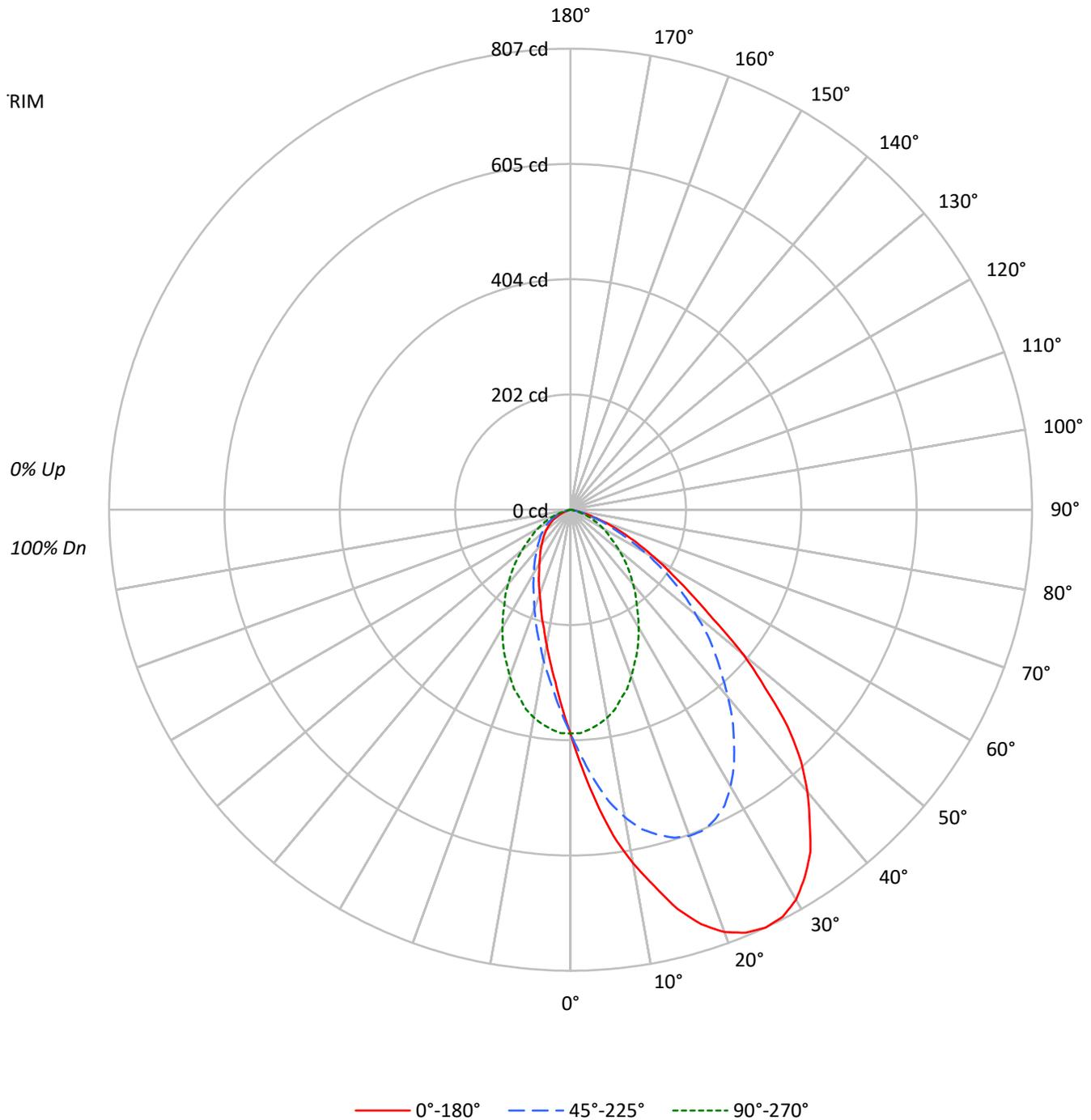
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 878.0 lumens  
Efficiency: N/A  
Efficacy: 30.5 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	0
RW	70	50	30	10	70	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	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31

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

	0°	45°	90°	135°	180°
0°	67408	67408	67408	67408	67408
5°	88740	82032	66715	55858	52348
10°	109789	95572	64583	47148	41971
15°	129052	105018	60907	39832	34572
20°	144165	111340	56852	33833	28756
25°	153333	113674	52276	29131	24912
30°	156786	111265	47370	25335	21656
35°	153731	104807	42322	22896	19406
40°	144874	96313	38197	20751	17424
45°	130865	87243	34171	18876	16197
50°	105859	76682	29687	17817	14843
55°	77077	65967	25492	16634	13302
60°	59796	52149	22906	15259	12090
65°	45152	37613	18827	13529	9047
70°	31623	26940	13948	10222	5589
75°	18432	15970	7386	4924	1198
80°	3670	5455	1785	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 130865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	4.4
10°-20°	114.1	13.0
20°-30°	172.0	19.6
30°-40°	191.2	21.8
40°-50°	169.4	19.3
50°-60°	115.0	13.1
60°-70°	60.3	6.9
70°-80°	17.1	1.9
80°-90°	0.5	0.1
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°	324.4	36.9
0°-40°	515.6	58.7
0°-60°	800.1	91.1
0°-90°	878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	878.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	391	391	391	391	391	
5°	513	474	386	323	303	53
15°	724	589	342	223	194	205
25°	807	598	275	153	131	370
35°	731	498	201	109	92	453
45°	537	358	140	78	66	407
55°	257	220	85	55	44	237
65°	111	92	46	33	22	112
75°	28	24	11	7	2	31
85°	0	0	0	0	0	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°	391.4	391.4	391.4	391.4	391.4	391.4	391.4	391.4	391.4	391.4	391.4
2.5°	450.5	448.7	446.8	446.8	445.0	443.1	439.4	439.4	435.8	432.1	428.4
5°	513.3	513.3	513.3	507.8	507.8	500.4	496.7	489.3	481.9	474.5	465.3
7.5°	576.1	576.1	570.5	568.7	563.2	555.8	550.2	539.2	526.2	515.2	500.4
10°	627.8	627.8	622.2	618.6	607.5	600.1	589.0	576.1	563.2	546.5	528.1
12.5°	673.9	675.8	668.4	661.0	649.9	638.9	624.1	607.5	590.9	572.4	548.4
15°	723.8	722.0	712.7	703.5	690.6	673.9	655.5	633.3	611.2	589.0	563.2
17.5°	760.7	758.9	749.6	738.6	722.0	701.6	681.3	655.5	629.6	601.9	570.5
20°	786.6	784.7	775.5	760.7	744.1	722.0	697.9	668.4	640.7	607.5	572.4
22.5°	801.3	799.5	788.4	775.5	755.2	731.2	705.3	673.9	642.6	607.5	568.7
25°	806.9	803.2	792.1	777.3	757.0	731.2	701.6	668.4	635.2	598.2	557.6
27.5°	803.2	799.5	786.6	770.0	747.8	718.3	688.7	655.5	620.4	583.5	541.0
30°	788.4	782.9	771.8	755.2	731.2	701.6	670.3	635.2	598.2	559.5	517.0
32.5°	762.6	758.9	747.8	729.3	705.3	675.8	644.4	607.5	570.5	531.8	489.3
35°	731.2	723.8	712.7	696.1	672.1	642.6	611.2	572.4	537.3	498.5	457.9
37.5°	686.9	685.0	672.1	659.2	635.2	603.8	574.2	537.3	502.2	465.3	424.7
40°	644.4	640.7	629.6	614.9	590.9	563.2	531.8	498.5	463.5	428.4	391.4
42.5°	596.4	590.9	583.5	568.7	546.5	518.8	489.3	456.1	424.7	391.4	358.2
45°	537.3	535.5	526.2	518.8	498.5	474.5	445.0	415.4	384.1	358.2	332.4
47.5°	461.6	459.8	457.9	452.4	441.3	424.7	402.5	374.8	350.8	325.0	289.9
50°	395.1	393.3	389.6	387.7	378.5	369.3	352.7	336.0	315.7	286.2	258.5
52.5°	313.9	315.7	321.3	323.1	321.3	313.9	306.5	301.0	273.3	254.8	229.0
55°	256.7	256.7	254.8	256.7	258.5	262.2	262.2	254.8	236.3	219.7	197.6
57.5°	210.5	210.5	210.5	210.5	210.5	212.3	212.3	210.5	201.3	184.6	164.3
60°	173.6	171.7	171.7	173.6	171.7	171.7	173.6	173.6	164.3	151.4	132.9
62.5°	140.3	140.3	140.3	138.5	138.5	140.3	140.3	138.5	131.1	118.2	105.2
65°	110.8	110.8	110.8	110.8	110.8	112.6	110.8	108.9	101.6	92.3	83.1
67.5°	84.9	84.9	86.8	84.9	86.8	86.8	86.8	83.1	77.5	70.2	64.6
70°	62.8	62.8	62.8	64.6	66.5	66.5	64.6	60.9	57.2	53.5	48.0
72.5°	42.5	44.3	44.3	44.3	46.2	46.2	44.3	42.5	40.6	36.9	35.1
75°	27.7	25.8	27.7	27.7	29.5	29.5	27.7	27.7	25.8	24.0	22.2
77.5°	12.9	12.9	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.9	12.9
80°	3.7	3.7	3.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	391.4	391.4	391.4	391.4	391.4	391.4	391.4	391.4
2.5°	424.7	419.1	411.8	391.4	373.0	356.4	347.1	345.3
5°	454.2	446.8	428.4	385.9	350.8	323.1	306.5	302.8
7.5°	485.6	470.8	445.0	378.5	328.7	293.6	275.1	269.6
10°	509.6	491.1	456.1	369.3	306.5	269.6	247.4	240.0
12.5°	526.2	504.1	465.3	358.2	288.0	243.7	221.6	214.2
15°	535.5	511.5	467.1	341.6	265.9	223.4	199.4	193.9
17.5°	539.2	511.5	463.5	328.7	245.6	203.1	180.9	173.6
20°	537.3	504.1	454.2	310.2	227.1	184.6	162.5	156.9
22.5°	529.9	493.0	439.4	291.7	208.6	166.2	147.7	144.0
25°	518.8	478.2	422.8	275.1	192.0	153.3	134.8	131.1
27.5°	500.4	459.8	400.7	256.7	177.3	140.3	123.7	118.2
30°	476.4	437.6	378.5	238.2	162.5	127.4	112.6	108.9
32.5°	450.5	411.8	356.4	219.7	149.6	118.2	103.4	99.7
35°	421.0	384.1	328.7	201.3	136.6	108.9	94.2	92.3
37.5°	391.4	354.5	304.7	186.5	125.6	99.7	86.8	84.9
40°	358.2	328.7	291.7	169.9	116.3	92.3	81.2	77.5
42.5°	337.9	297.3	251.1	155.1	107.1	84.9	73.9	72.0
45°	293.6	264.0	227.1	140.3	97.9	77.5	68.3	66.5
47.5°	264.0	238.2	203.1	125.6	90.5	72.0	62.8	60.9
50°	234.5	210.5	177.3	110.8	83.1	66.5	57.2	55.4
52.5°	205.0	180.9	151.4	97.9	73.9	60.9	51.7	49.9
55°	175.4	153.3	125.6	84.9	66.5	55.4	48.0	44.3
57.5°	144.0	125.6	107.1	75.7	59.1	49.9	42.5	38.8
60°	116.3	105.2	90.5	66.5	51.7	44.3	36.9	35.1
62.5°	94.2	84.9	75.7	57.2	46.2	38.8	33.2	27.7
65°	75.7	70.2	62.8	46.2	38.8	33.2	27.7	22.2
67.5°	59.1	55.4	49.9	38.8	31.4	27.7	20.3	16.6
70°	46.2	42.5	38.8	27.7	24.0	20.3	14.8	11.1
72.5°	33.2	29.5	27.7	20.3	16.6	14.8	9.2	5.5
75°	20.3	20.3	16.6	11.1	9.2	7.4	3.7	1.8
77.5°	11.1	11.1	9.2	5.5	5.5	1.8	0.0	0.0
80°	5.5	3.7	3.7	1.8	1.8	0.0	0.0	0.0
82.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)