

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: P1320342

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

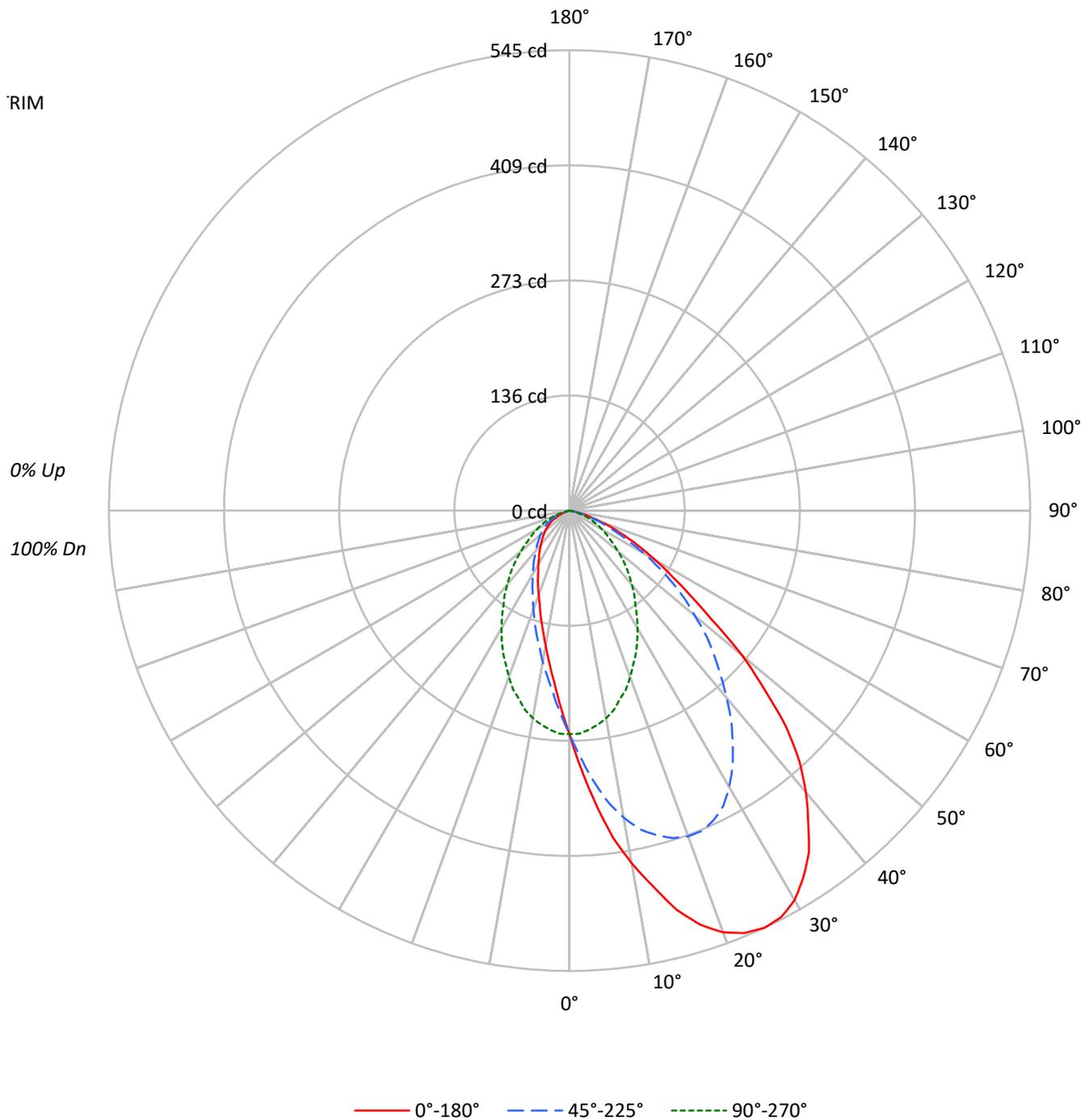
Test Method: LM-79-2019  
Report Number: P1320342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709840DE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 593.0 lumens  
Efficiency: N/A  
Efficacy: 29.1 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): 20.4  
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	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°	45536	45536	45536	45536	45536
5°	59938	55408	45053	37723	35354
10°	74149	64548	43615	31846	28348
15°	87170	70927	41133	26905	23339
20°	97374	75198	38396	22854	19427
25°	103565	76790	35307	19668	16817
30°	105896	75151	31997	17102	14637
35°	103819	70789	28572	15474	13119
40°	97842	65041	25787	14029	11781
45°	88388	58917	23089	12763	10936
50°	71511	51791	20041	12030	10021
55°	52035	44559	17235	11230	8978
60°	40369	35237	15466	10299	8163
65°	30482	25429	12714	9128	6113
70°	21350	18228	9416	6899	3777
75°	12443	10780	4991	3327	799
80°	2479	3670	1190	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 88388 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	4.4
10°-20°	77.1	13.0
20°-30°	116.2	19.6
30°-40°	129.1	21.8
40°-50°	114.4	19.3
50°-60°	77.7	13.1
60°-70°	40.7	6.9
70°-80°	11.6	1.9
80°-90°	0.3	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°	219.1	36.9
0°-40°	348.2	58.7
0°-60°	540.4	91.1
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	264	264	264	264	264	
5°	347	320	261	218	204	35
15°	489	398	231	151	131	139
25°	545	404	186	104	88	250
35°	494	337	136	74	62	306
45°	363	242	95	52	45	275
55°	173	148	57	37	30	160
65°	75	62	31	22	15	76
75°	19	16	8	5	1	21
85°	0	0	0	0	0	0
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°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4
2.5°	304.3	303.0	301.8	301.8	300.5	299.3	296.8	296.8	294.3	291.8	289.3
5°	346.7	346.7	346.7	342.9	342.9	338.0	335.5	330.5	325.5	320.5	314.3
7.5°	389.1	389.1	385.3	384.1	380.4	375.4	371.6	364.1	355.4	347.9	338.0
10°	424.0	424.0	420.3	417.8	410.3	405.3	397.8	389.1	380.4	369.1	356.7
12.5°	455.2	456.4	451.4	446.5	439.0	431.5	421.5	410.3	399.1	386.6	370.4
15°	488.9	487.6	481.4	475.1	466.4	455.2	442.7	427.7	412.8	397.8	380.4
17.5°	513.8	512.5	506.3	498.8	487.6	473.9	460.2	442.7	425.3	406.5	385.3
20°	531.3	530.0	523.8	513.8	502.6	487.6	471.4	451.4	432.7	410.3	386.6
22.5°	541.2	540.0	532.5	523.8	510.1	493.8	476.4	455.2	434.0	410.3	384.1
25°	545.0	542.5	535.0	525.0	511.3	493.8	473.9	451.4	429.0	404.1	376.6
27.5°	542.5	540.0	531.3	520.0	505.1	485.1	465.2	442.7	419.0	394.1	365.4
30°	532.5	528.8	521.3	510.1	493.8	473.9	452.7	429.0	404.1	377.9	349.2
32.5°	515.0	512.5	505.1	492.6	476.4	456.4	435.2	410.3	385.3	359.2	330.5
35°	493.8	488.9	481.4	470.1	453.9	434.0	412.8	386.6	362.9	336.7	309.3
37.5°	463.9	462.7	453.9	445.2	429.0	407.8	387.8	362.9	339.2	314.3	286.8
40°	435.2	432.7	425.3	415.3	399.1	380.4	359.2	336.7	313.0	289.3	264.4
42.5°	402.8	399.1	394.1	384.1	369.1	350.4	330.5	308.0	286.8	264.4	241.9
45°	362.9	361.7	355.4	350.4	336.7	320.5	300.5	280.6	259.4	241.9	224.5
47.5°	311.8	310.5	309.3	305.5	298.0	286.8	271.9	253.2	236.9	219.5	195.8
50°	266.9	265.6	263.1	261.9	255.6	249.4	238.2	227.0	213.2	193.3	174.6
52.5°	212.0	213.2	217.0	218.2	217.0	212.0	207.0	203.3	184.6	172.1	154.6
55°	173.3	173.3	172.1	173.3	174.6	177.1	177.1	172.1	159.6	148.4	133.4
57.5°	142.2	142.2	142.2	142.2	142.2	143.4	143.4	142.2	135.9	124.7	111.0
60°	117.2	116.0	116.0	117.2	116.0	116.0	117.2	117.2	111.0	102.3	89.8
62.5°	94.8	94.8	94.8	93.5	93.5	94.8	94.8	93.5	88.5	79.8	71.1
65°	74.8	74.8	74.8	74.8	74.8	76.1	74.8	73.6	68.6	62.4	56.1
67.5°	57.4	57.4	58.6	57.4	58.6	58.6	58.6	56.1	52.4	47.4	43.6
70°	42.4	42.4	42.4	43.6	44.9	44.9	43.6	41.2	38.7	36.2	32.4
72.5°	28.7	29.9	29.9	29.9	31.2	31.2	29.9	28.7	27.4	24.9	23.7
75°	18.7	17.5	18.7	18.7	20.0	20.0	18.7	18.7	17.5	16.2	15.0
77.5°	8.7	8.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.7	8.7
80°	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4
2.5°	286.8	283.1	278.1	264.4	251.9	240.7	234.4	233.2
5°	306.8	301.8	289.3	260.6	236.9	218.2	207.0	204.5
7.5°	328.0	318.0	300.5	255.6	222.0	198.3	185.8	182.1
10°	344.2	331.7	308.0	249.4	207.0	182.1	167.1	162.1
12.5°	355.4	340.5	314.3	241.9	194.5	164.6	149.6	144.7
15°	361.7	345.4	315.5	230.7	179.6	150.9	134.7	130.9
17.5°	364.1	345.4	313.0	222.0	165.9	137.2	122.2	117.2
20°	362.9	340.5	306.8	209.5	153.4	124.7	109.7	106.0
22.5°	357.9	333.0	296.8	197.0	140.9	112.2	99.8	97.3
25°	350.4	323.0	285.6	185.8	129.7	103.5	91.0	88.5
27.5°	338.0	310.5	270.6	173.3	119.7	94.8	83.6	79.8
30°	321.7	295.6	255.6	160.9	109.7	86.0	76.1	73.6
32.5°	304.3	278.1	240.7	148.4	101.0	79.8	69.8	67.3
35°	284.3	259.4	222.0	135.9	92.3	73.6	63.6	62.4
37.5°	264.4	239.4	205.8	126.0	84.8	67.3	58.6	57.4
40°	241.9	222.0	197.0	114.7	78.6	62.4	54.9	52.4
42.5°	228.2	200.8	169.6	104.8	72.3	57.4	49.9	48.6
45°	198.3	178.3	153.4	94.8	66.1	52.4	46.1	44.9
47.5°	178.3	160.9	137.2	84.8	61.1	48.6	42.4	41.2
50°	158.4	142.2	119.7	74.8	56.1	44.9	38.7	37.4
52.5°	138.4	122.2	102.3	66.1	49.9	41.2	34.9	33.7
55°	118.5	103.5	84.8	57.4	44.9	37.4	32.4	29.9
57.5°	97.3	84.8	72.3	51.1	39.9	33.7	28.7	26.2
60°	78.6	71.1	61.1	44.9	34.9	29.9	24.9	23.7
62.5°	63.6	57.4	51.1	38.7	31.2	26.2	22.4	18.7
65°	51.1	47.4	42.4	31.2	26.2	22.4	18.7	15.0
67.5°	39.9	37.4	33.7	26.2	21.2	18.7	13.7	11.2
70°	31.2	28.7	26.2	18.7	16.2	13.7	10.0	7.5
72.5°	22.4	20.0	18.7	13.7	11.2	10.0	6.2	3.7
75°	13.7	13.7	11.2	7.5	6.2	5.0	2.5	1.2
77.5°	7.5	7.5	6.2	3.7	3.7	1.2	0.0	0.0
80°	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0
82.5°	1.2	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)