

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: P1308666

Luminaire Tested: LDSQA3D24R709027D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

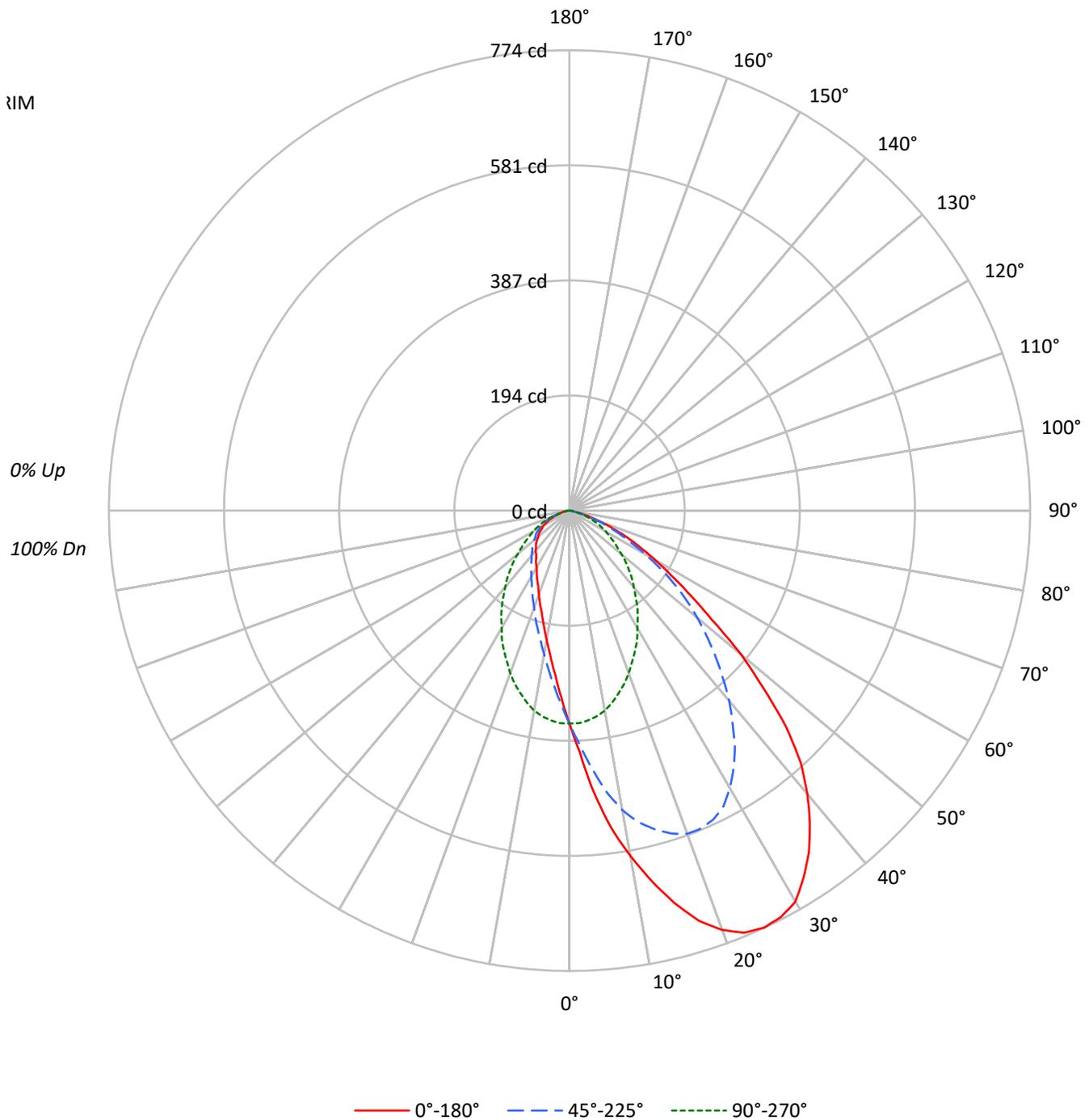
Test Method: LM-79-2019  
Report Number: P1308666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R709027D010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 874.0 lumens  
Efficiency: N/A  
Efficacy: 30.3 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): 28.8  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30	30	30

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

	0°	45°	90°	135°	180°
0°	61621	61621	61621	61621	61621
5°	82481	75307	61234	51242	47801
10°	103039	89451	59739	42985	38561
15°	121795	98920	56717	36729	31898
20°	137457	105988	53333	31798	27491
25°	146986	108866	49445	28162	24380
30°	150959	107109	45282	25514	21915
35°	147424	101822	41797	23568	20520
40°	139771	93863	37792	22347	19919
45°	125458	84515	34342	21579	19363
50°	100715	75047	30517	20818	18407
55°	74345	64586	27144	20628	17896
60°	57281	50427	24283	19909	17429
65°	43441	37573	21354	18420	15486
70°	29105	26386	16365	16365	12740
75°	15637	15637	10846	10846	9649
80°	3570	7141	5356	7141	8926
85°	0	3557	3557	7114	7114

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 125458 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.3	4.0
10°-20°	107.3	12.3
20°-30°	165.3	18.9
30°-40°	187.6	21.5
40°-50°	169.8	19.4
50°-60°	118.7	13.6
60°-70°	65.2	7.5
70°-80°	21.8	2.5
80°-90°	2.9	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°	307.9	35.2
0°-40°	495.5	56.7
0°-60°	784.0	89.7
0°-90°	874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	358	358	358	358	358	
5°	477	436	354	296	276	49
15°	683	555	318	206	179	195
25°	774	573	260	148	128	355
35°	701	484	199	112	98	436
45°	515	347	141	89	80	390
55°	248	215	90	69	60	228
65°	107	92	52	45	38	106
75°	24	24	16	16	14	27
85°	0	2	2	4	4	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°	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8
2.5°	408.4	412.1	413.9	410.3	408.4	406.6	403.0	401.2	397.6	394.0	392.2
5°	477.1	477.1	477.1	473.5	468.1	464.5	457.2	451.8	442.8	435.6	428.3
7.5°	538.6	538.6	536.8	531.3	527.7	518.7	509.7	502.4	488.0	477.1	462.7
10°	589.2	589.2	587.4	578.3	572.9	562.1	553.0	540.4	525.9	511.5	495.2
12.5°	638.0	638.0	630.7	623.5	612.7	598.2	585.6	572.9	553.0	536.8	516.9
15°	683.1	683.1	679.5	666.9	652.4	636.2	618.1	600.0	576.5	554.8	533.1
17.5°	722.9	721.1	715.7	701.2	686.8	666.9	645.2	623.5	594.6	569.3	542.2
20°	750.0	750.0	742.8	726.5	710.3	688.6	665.1	639.8	609.1	578.3	545.8
22.5°	768.1	766.3	759.1	742.8	722.9	701.2	674.1	647.0	612.7	578.3	544.0
25°	773.5	771.7	764.5	746.4	726.5	703.0	674.1	645.2	609.1	572.9	535.0
27.5°	769.9	768.1	760.9	741.0	721.1	694.0	665.1	634.4	598.2	560.3	522.3
30°	759.1	753.6	746.4	728.3	706.6	679.5	648.8	614.5	578.3	538.6	500.6
32.5°	731.9	731.9	722.9	704.8	683.1	654.2	623.5	591.0	551.2	513.3	473.5
35°	701.2	699.4	692.2	672.3	652.4	625.3	594.6	560.3	522.3	484.3	446.4
37.5°	663.3	661.5	654.2	636.2	614.5	589.2	556.6	524.1	488.0	450.0	415.7
40°	621.7	618.1	609.1	594.6	576.5	547.6	518.7	486.2	451.8	417.5	383.1
42.5°	574.7	571.1	563.9	553.0	531.3	506.0	478.9	448.2	415.7	381.3	356.0
45°	515.1	515.1	511.5	500.6	484.3	464.5	435.6	408.4	377.7	347.0	319.9
47.5°	441.0	444.6	442.8	437.4	430.1	412.1	392.2	368.7	339.8	312.7	287.4
50°	375.9	377.7	379.5	375.9	370.5	357.8	345.2	330.7	305.4	280.1	256.6
52.5°	301.8	307.2	307.2	309.0	309.0	305.4	301.8	285.5	272.9	247.6	225.9
55°	247.6	247.6	247.6	251.2	253.0	254.8	251.2	247.6	233.1	215.1	195.2
57.5°	202.4	202.4	206.0	204.2	204.2	207.8	207.8	206.0	197.0	180.7	162.7
60°	166.3	166.3	166.3	166.3	168.1	168.1	168.1	168.1	160.8	146.4	131.9
62.5°	133.7	133.7	133.7	135.5	135.5	135.5	137.4	135.5	128.3	117.5	104.8
65°	106.6	104.8	106.6	106.6	108.4	108.4	108.4	106.6	99.4	92.2	83.1
67.5°	79.5	81.3	81.3	81.3	83.1	84.9	83.1	81.3	75.9	68.7	65.1
70°	57.8	59.6	59.6	59.6	61.4	63.3	61.4	59.6	56.0	52.4	48.8
72.5°	38.0	39.8	39.8	41.6	43.4	43.4	41.6	41.6	39.8	36.1	34.3
75°	23.5	23.5	25.3	25.3	27.1	27.1	27.1	25.3	25.3	23.5	23.5
77.5°	10.8	10.8	12.7	12.7	12.7	14.5	14.5	14.5	14.5	14.5	12.7
80°	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4	7.2	7.2	7.2
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8
2.5°	388.6	383.1	375.9	357.8	339.8	325.3	316.3	314.5
5°	419.3	410.3	394.0	354.2	321.7	296.4	281.9	276.5
7.5°	450.0	433.7	410.3	348.8	300.0	269.3	253.0	245.8
10°	475.3	455.4	424.7	341.6	281.9	245.8	225.9	220.5
12.5°	495.2	471.7	433.7	330.7	263.9	224.1	204.2	198.8
15°	507.8	482.5	439.2	318.1	245.8	206.0	186.1	178.9
17.5°	513.3	482.5	437.4	305.4	229.5	189.8	169.9	164.5
20°	513.3	478.9	431.9	291.0	213.3	173.5	155.4	150.0
22.5°	507.8	471.7	419.3	274.7	198.8	160.8	142.8	137.4
25°	497.0	457.2	404.8	260.2	184.3	148.2	131.9	128.3
27.5°	480.7	441.0	386.8	245.8	171.7	137.4	122.9	119.3
30°	460.9	421.1	366.9	227.7	159.0	128.3	115.7	110.2
32.5°	435.6	397.6	345.2	213.3	148.2	119.3	108.4	104.8
35°	408.4	374.1	321.7	198.8	137.4	112.1	101.2	97.6
37.5°	381.3	345.2	301.8	182.5	128.3	104.8	95.8	92.2
40°	352.4	325.3	280.1	168.1	121.1	99.4	90.4	88.6
42.5°	323.5	294.6	249.4	155.4	112.1	92.2	84.9	83.1
45°	289.2	262.1	225.9	141.0	104.8	88.6	81.3	79.5
47.5°	260.2	234.9	202.4	128.3	97.6	83.1	75.9	74.1
50°	233.1	207.8	177.1	113.9	90.4	77.7	72.3	68.7
52.5°	202.4	180.7	153.6	101.2	83.1	72.3	66.9	65.1
55°	175.3	153.6	128.3	90.4	75.9	68.7	61.4	59.6
57.5°	144.6	126.5	108.4	79.5	68.7	61.4	57.8	54.2
60°	117.5	104.8	92.2	70.5	61.4	57.8	52.4	50.6
62.5°	95.8	86.7	77.7	61.4	54.2	50.6	47.0	43.4
65°	75.9	70.5	63.3	52.4	47.0	45.2	41.6	38.0
67.5°	59.6	56.0	50.6	41.6	39.8	38.0	34.3	30.7
70°	45.2	43.4	39.8	32.5	30.7	32.5	28.9	25.3
72.5°	32.5	30.7	28.9	23.5	23.5	23.5	21.7	18.1
75°	21.7	19.9	18.1	16.3	16.3	16.3	16.3	14.5
77.5°	12.7	12.7	10.8	9.0	10.8	10.8	12.7	12.7
80°	5.4	5.4	5.4	5.4	7.2	7.2	9.0	9.0
82.5°	3.6	3.6	3.6	3.6	5.4	5.4	5.4	5.4
85°	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)