

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: P1313097

Luminaire Tested: LDSQA3D24R709050D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313097  
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: LDSQA3D24R709050D010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

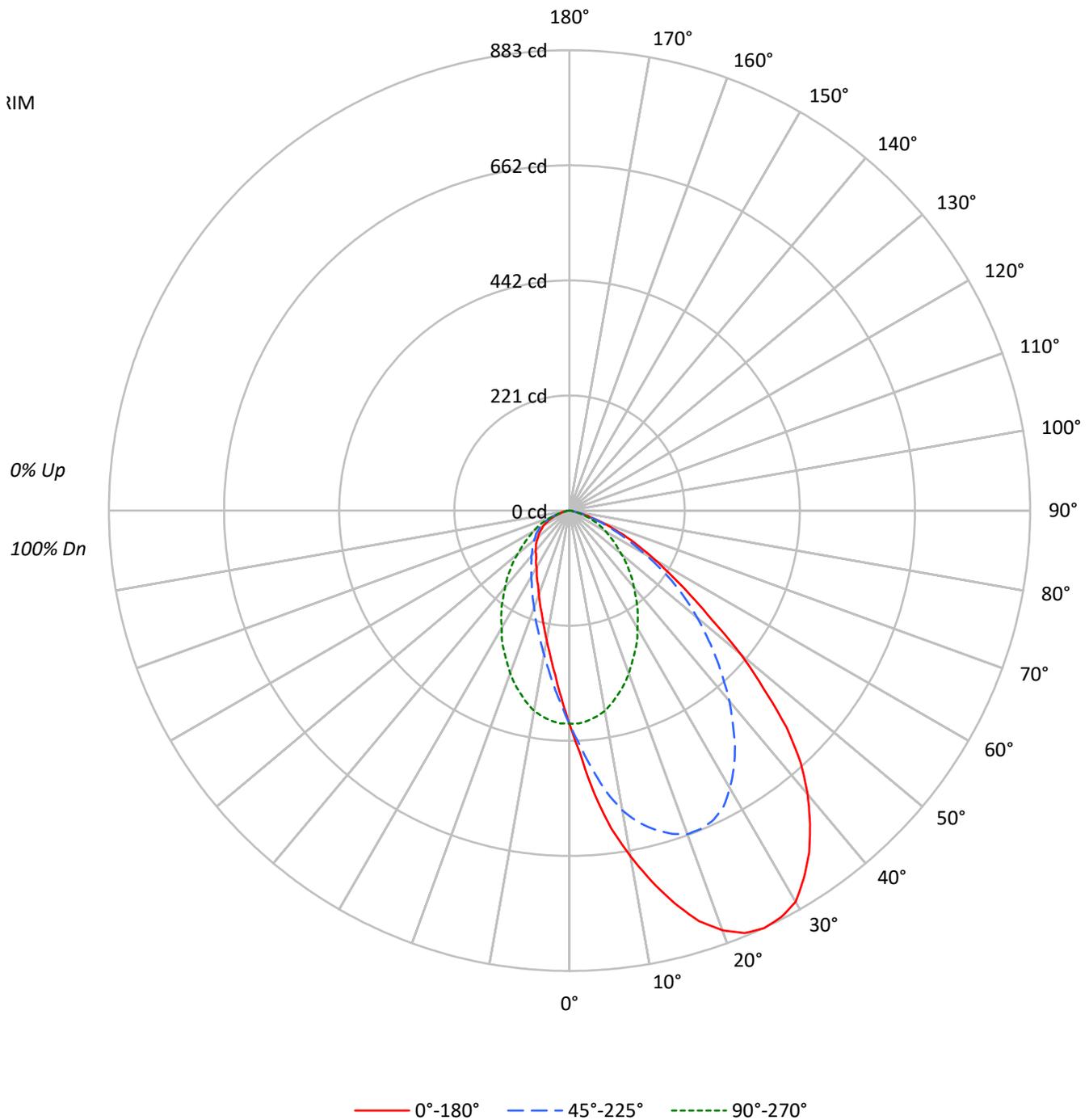
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 998.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 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	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	32	30

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

	0°	45°	90°	135°	180°
0°	70370	70370	70370	70370	70370
5°	94185	85973	69930	58503	54578
10°	117659	102130	68203	49089	44035
15°	139090	112970	64758	41954	36426
20°	156957	121035	60902	36307	31395
25°	167851	124315	56476	32153	27839
30°	172357	122302	51705	29134	25037
35°	168343	116287	47726	26890	23421
40°	159600	107172	43143	25517	22729
45°	143237	96498	39213	24624	22115
50°	114996	85711	34831	23765	21006
55°	84884	73744	30987	23540	20448
60°	65410	57591	27728	22733	19909
65°	49635	42870	24369	21028	17645
70°	33234	30112	18682	18682	14552
75°	17833	17833	12377	12377	10979
80°	4066	8232	6149	8232	10215
85°	0	4150	4150	8102	8102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 143237 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	4.0
10°-20°	122.5	12.3
20°-30°	188.8	18.9
30°-40°	214.2	21.5
40°-50°	193.9	19.4
50°-60°	135.6	13.6
60°-70°	74.5	7.5
70°-80°	24.9	2.5
80°-90°	3.3	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°	351.6	35.2
0°-40°	565.8	56.7
0°-60°	895.3	89.7
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	409	409	409	409	409	
5°	545	497	404	338	316	56
15°	780	634	363	235	204	222
25°	883	654	297	169	146	405
35°	801	553	227	128	111	498
45°	588	396	161	101	91	446
55°	283	246	103	78	68	260
65°	122	105	60	52	43	122
75°	27	27	19	19	16	31
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°	408.6	408.6	408.6	408.6	408.6	408.6	408.6	408.6	408.6	408.6	408.6
2.5°	466.4	470.5	472.6	468.5	466.4	464.3	460.2	458.1	454.0	449.9	447.8
5°	544.8	544.8	544.8	540.7	534.5	530.4	522.1	515.9	505.6	497.3	489.1
7.5°	615.0	615.0	612.9	606.7	602.6	592.3	582.0	573.7	557.2	544.8	528.3
10°	672.8	672.8	670.7	660.4	654.2	641.8	631.5	617.0	600.5	584.0	565.4
12.5°	728.5	728.5	720.2	712.0	699.6	683.1	668.6	654.2	631.5	612.9	590.2
15°	780.1	780.1	775.9	761.5	745.0	726.4	705.8	685.1	658.3	633.6	608.8
17.5°	825.5	823.4	817.2	800.7	784.2	761.5	736.7	712.0	679.0	650.1	619.1
20°	856.4	856.4	848.2	829.6	811.0	786.3	759.4	730.5	695.5	660.4	623.2
22.5°	877.1	875.0	866.7	848.2	825.5	800.7	769.8	738.8	699.6	660.4	621.2
25°	883.3	881.2	872.9	852.3	829.6	802.8	769.8	736.7	695.5	654.2	610.8
27.5°	879.1	877.1	868.8	846.1	823.4	792.5	759.4	724.4	683.1	639.7	596.4
30°	866.7	860.6	852.3	831.7	806.9	775.9	740.9	701.7	660.4	615.0	571.6
32.5°	835.8	835.8	825.5	804.8	780.1	747.1	712.0	674.8	629.4	586.1	540.7
35°	800.7	798.6	790.4	767.7	745.0	714.0	679.0	639.7	596.4	553.1	509.7
37.5°	757.4	755.3	747.1	726.4	701.7	672.8	635.6	598.5	557.2	513.9	474.6
40°	709.9	705.8	695.5	679.0	658.3	625.3	592.3	555.1	515.9	476.7	437.5
42.5°	656.3	652.1	643.9	631.5	606.7	577.8	546.9	511.8	474.6	435.4	406.5
45°	588.1	588.1	584.0	571.6	553.1	530.4	497.3	466.4	431.3	396.2	365.3
47.5°	503.5	507.7	505.6	499.4	491.2	470.5	447.8	421.0	388.0	357.0	328.1
50°	429.2	431.3	433.4	429.2	423.1	408.6	394.2	377.7	348.8	319.9	293.0
52.5°	344.6	350.8	350.8	352.9	352.9	348.8	344.6	326.1	311.6	282.7	258.0
55°	282.7	282.7	282.7	286.9	288.9	291.0	286.9	282.7	266.2	245.6	222.9
57.5°	231.1	231.1	235.3	233.2	233.2	237.3	237.3	235.3	224.9	206.4	185.7
60°	189.9	189.9	189.9	189.9	191.9	191.9	191.9	191.9	183.7	167.2	150.6
62.5°	152.7	152.7	152.7	154.8	154.8	154.8	156.8	154.8	146.5	134.1	119.7
65°	121.8	119.7	121.8	121.8	123.8	123.8	123.8	121.8	113.5	105.2	94.9
67.5°	90.8	92.9	92.9	92.9	94.9	97.0	94.9	92.9	86.7	78.4	74.3
70°	66.0	68.1	68.1	68.1	70.2	72.2	70.2	68.1	64.0	59.8	55.7
72.5°	43.3	45.4	45.4	47.5	49.5	49.5	47.5	47.5	45.4	41.3	39.2
75°	26.8	26.8	28.9	28.9	31.0	31.0	31.0	28.9	28.9	26.8	26.8
77.5°	12.4	12.4	14.4	14.4	14.4	16.5	16.5	16.5	16.5	16.5	14.4
80°	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	8.3	8.3	8.3
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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°	408.6	408.6	408.6	408.6	408.6	408.6	408.6	408.6
2.5°	443.7	437.5	429.2	408.6	388.0	371.5	361.1	359.1
5°	478.8	468.5	449.9	404.5	367.3	338.4	321.9	315.7
7.5°	513.9	495.3	468.5	398.3	342.6	307.5	288.9	280.7
10°	542.7	520.0	485.0	390.0	321.9	280.7	258.0	251.8
12.5°	565.4	538.6	495.3	377.7	301.3	255.9	233.2	227.0
15°	579.9	551.0	501.5	363.2	280.7	235.3	212.6	204.3
17.5°	586.1	551.0	499.4	348.8	262.1	216.7	194.0	187.8
20°	586.1	546.9	493.2	332.3	243.5	198.1	177.5	171.3
22.5°	579.9	538.6	478.8	313.7	227.0	183.7	163.0	156.8
25°	567.5	522.1	462.3	297.2	210.5	169.2	150.6	146.5
27.5°	548.9	503.5	441.6	280.7	196.0	156.8	140.3	136.2
30°	526.2	480.8	418.9	260.0	181.6	146.5	132.1	125.9
32.5°	497.3	454.0	394.2	243.5	169.2	136.2	123.8	119.7
35°	466.4	427.2	367.3	227.0	156.8	127.9	115.6	111.4
37.5°	435.4	394.2	344.6	208.4	146.5	119.7	109.4	105.2
40°	402.4	371.5	319.9	191.9	138.3	113.5	103.2	101.1
42.5°	369.4	336.4	284.8	177.5	127.9	105.2	97.0	94.9
45°	330.2	299.2	258.0	161.0	119.7	101.1	92.9	90.8
47.5°	297.2	268.3	231.1	146.5	111.4	94.9	86.7	84.6
50°	266.2	237.3	202.2	130.0	103.2	88.7	82.5	78.4
52.5°	231.1	206.4	175.4	115.6	94.9	82.5	76.4	74.3
55°	200.2	175.4	146.5	103.2	86.7	78.4	70.2	68.1
57.5°	165.1	144.5	123.8	90.8	78.4	70.2	66.0	61.9
60°	134.1	119.7	105.2	80.5	70.2	66.0	59.8	57.8
62.5°	109.4	99.1	88.7	70.2	61.9	57.8	53.7	49.5
65°	86.7	80.5	72.2	59.8	53.7	51.6	47.5	43.3
67.5°	68.1	64.0	57.8	47.5	45.4	43.3	39.2	35.1
70°	51.6	49.5	45.4	37.1	35.1	37.1	33.0	28.9
72.5°	37.1	35.1	33.0	26.8	26.8	26.8	24.8	20.6
75°	24.8	22.7	20.6	18.6	18.6	18.6	18.6	16.5
77.5°	14.4	14.4	12.4	10.3	12.4	12.4	14.4	14.4
80°	6.2	6.2	6.2	6.2	8.3	8.3	10.3	10.3
82.5°	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)