

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: P1307243

Luminaire Tested: LDSQA3D13R709024DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307243  
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: LDSQA3D13R709024DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

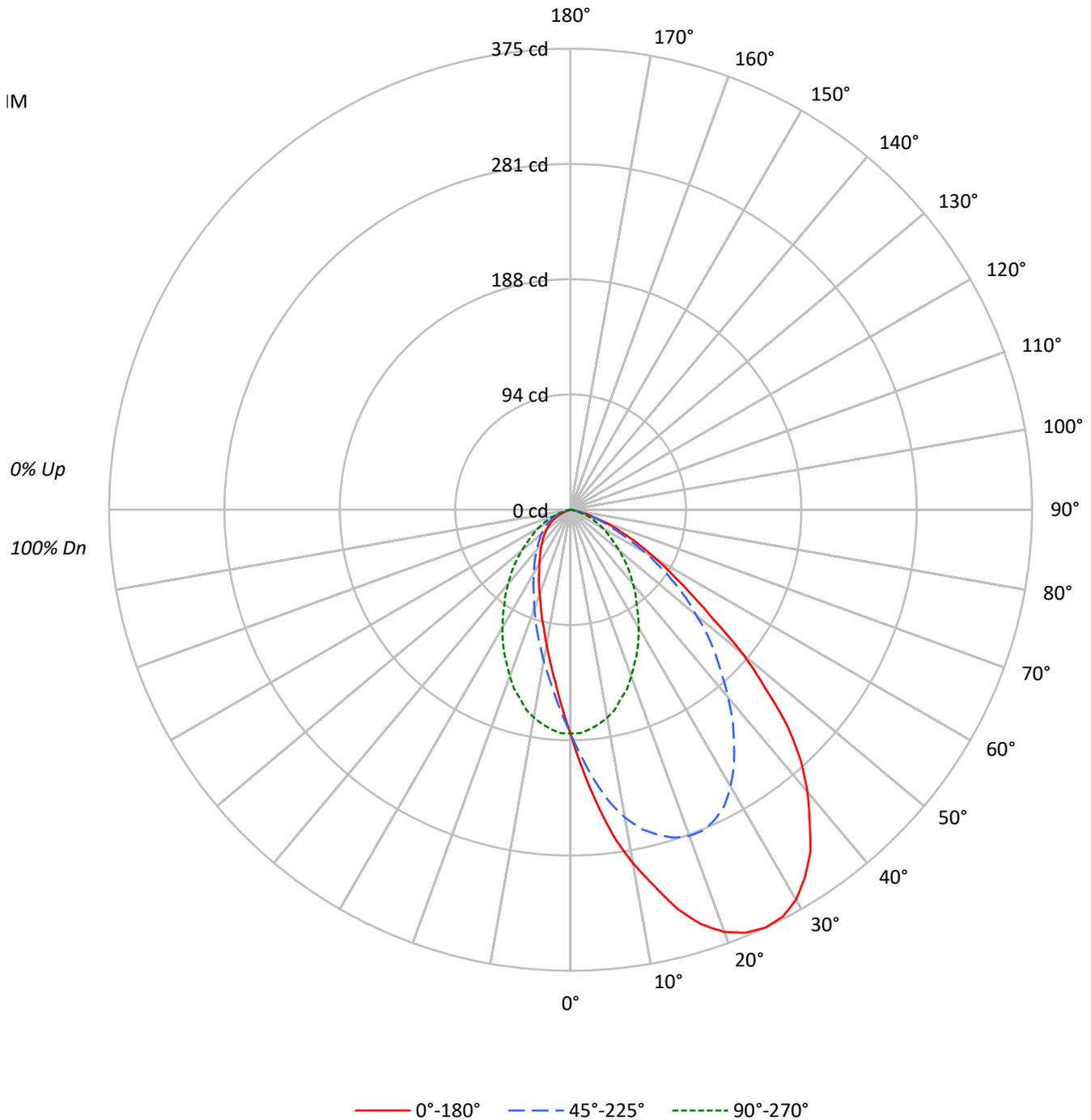
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 408.0 lumens  
Efficiency: N/A  
Efficacy: 27.9 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): 14.6  
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	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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31	31

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

	0°	45°	90°	135°	180°
0°	31327	31327	31327	31327	31327
5°	41232	38120	30997	25967	24324
10°	51012	44419	30009	21912	19499
15°	59962	48800	28296	18507	16065
20°	66987	51739	26410	15725	13361
25°	71260	52827	24285	13530	11573
30°	72864	51705	22014	11773	10063
35°	71441	48714	19658	10638	9020
40°	67311	44762	17738	9645	8094
45°	60817	40553	15880	8768	7526
50°	49192	35635	13798	8279	6886
55°	35821	30657	11860	7717	6185
60°	27797	24249	10643	7096	5614
65°	20987	17482	8762	6276	4197
70°	14704	12538	6496	4733	2568
75°	8584	7453	3394	2262	599
80°	1686	2579	893	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 60817 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.8	4.4
10°-20°	53.0	13.0
20°-30°	79.9	19.6
30°-40°	88.8	21.8
40°-50°	78.7	19.3
50°-60°	53.5	13.1
60°-70°	28.0	6.9
70°-80°	8.0	2.0
80°-90°	0.2	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°	150.7	36.9
0°-40°	239.6	58.7
0°-60°	371.8	91.1
0°-90°	408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	408.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	182	182	182	182	182	
5°	238	220	179	150	141	24
15°	336	274	159	104	90	95
25°	375	278	128	71	61	172
35°	340	232	94	51	43	211
45°	250	166	65	36	31	189
55°	119	102	40	26	21	110
65°	52	43	22	15	10	52
75°	13	11	5	3	1	14
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°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9
2.5°	209.4	208.5	207.6	207.6	206.8	205.9	204.2	204.2	202.5	200.8	199.1
5°	238.5	238.5	238.5	236.0	236.0	232.5	230.8	227.4	223.9	220.5	216.2
7.5°	267.7	267.7	265.1	264.3	261.7	258.3	255.7	250.5	244.5	239.4	232.5
10°	291.7	291.7	289.2	287.4	282.3	278.9	273.7	267.7	261.7	254.0	245.4
12.5°	313.2	314.0	310.6	307.2	302.0	296.9	290.0	282.3	274.6	266.0	254.8
15°	336.3	335.5	331.2	326.9	320.9	313.2	304.6	294.3	284.0	273.7	261.7
17.5°	353.5	352.6	348.4	343.2	335.5	326.0	316.6	304.6	292.6	279.7	265.1
20°	365.5	364.7	360.4	353.5	345.8	335.5	324.3	310.6	297.7	282.3	266.0
22.5°	372.4	371.5	366.4	360.4	350.9	339.8	327.8	313.2	298.6	282.3	264.3
25°	375.0	373.2	368.1	361.2	351.8	339.8	326.0	310.6	295.2	278.0	259.1
27.5°	373.2	371.5	365.5	357.8	347.5	333.8	320.0	304.6	288.3	271.1	251.4
30°	366.4	363.8	358.7	350.9	339.8	326.0	311.5	295.2	278.0	260.0	240.2
32.5°	354.4	352.6	347.5	338.9	327.8	314.0	299.4	282.3	265.1	247.1	227.4
35°	339.8	336.3	331.2	323.5	312.3	298.6	284.0	266.0	249.7	231.7	212.8
37.5°	319.2	318.3	312.3	306.3	295.2	280.6	266.8	249.7	233.4	216.2	197.3
40°	299.4	297.7	292.6	285.7	274.6	261.7	247.1	231.7	215.4	199.1	181.9
42.5°	277.1	274.6	271.1	264.3	254.0	241.1	227.4	211.9	197.3	181.9	166.5
45°	249.7	248.8	244.5	241.1	231.7	220.5	206.8	193.1	178.5	166.5	154.4
47.5°	214.5	213.6	212.8	210.2	205.1	197.3	187.0	174.2	163.0	151.0	134.7
50°	183.6	182.8	181.0	180.2	175.9	171.6	163.9	156.2	146.7	133.0	120.1
52.5°	145.9	146.7	149.3	150.2	149.3	145.9	142.4	139.9	127.0	118.4	106.4
55°	119.3	119.3	118.4	119.3	120.1	121.8	121.8	118.4	109.8	102.1	91.8
57.5°	97.8	97.8	97.8	97.8	97.8	98.7	98.7	97.8	93.5	85.8	76.4
60°	80.7	79.8	79.8	80.7	79.8	79.8	80.7	80.7	76.4	70.4	61.8
62.5°	65.2	65.2	65.2	64.4	64.4	65.2	65.2	64.4	60.9	54.9	48.9
65°	51.5	51.5	51.5	51.5	51.5	52.3	51.5	50.6	47.2	42.9	38.6
67.5°	39.5	39.5	40.3	39.5	40.3	40.3	40.3	38.6	36.0	32.6	30.0
70°	29.2	29.2	29.2	30.0	30.9	30.9	30.0	28.3	26.6	24.9	22.3
72.5°	19.7	20.6	20.6	20.6	21.5	21.5	20.6	19.7	18.9	17.2	16.3
75°	12.9	12.0	12.9	12.9	13.7	13.7	12.9	12.9	12.0	11.2	10.3
77.5°	6.0	6.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.0	6.0
80°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9
2.5°	197.3	194.8	191.3	181.9	173.3	165.6	161.3	160.4
5°	211.1	207.6	199.1	179.3	163.0	150.2	142.4	140.7
7.5°	225.7	218.8	206.8	175.9	152.7	136.4	127.8	125.3
10°	236.8	228.2	211.9	171.6	142.4	125.3	115.0	111.5
12.5°	244.5	234.2	216.2	166.5	133.9	113.3	103.0	99.5
15°	248.8	237.7	217.1	158.7	123.6	103.8	92.7	90.1
17.5°	250.5	237.7	215.4	152.7	114.1	94.4	84.1	80.7
20°	249.7	234.2	211.1	144.1	105.5	85.8	75.5	72.9
22.5°	246.3	229.1	204.2	135.6	97.0	77.2	68.6	66.9
25°	241.1	222.2	196.5	127.8	89.2	71.2	62.6	60.9
27.5°	232.5	213.6	186.2	119.3	82.4	65.2	57.5	54.9
30°	221.4	203.4	175.9	110.7	75.5	59.2	52.3	50.6
32.5°	209.4	191.3	165.6	102.1	69.5	54.9	48.0	46.3
35°	195.6	178.5	152.7	93.5	63.5	50.6	43.8	42.9
37.5°	181.9	164.7	141.6	86.7	58.3	46.3	40.3	39.5
40°	166.5	152.7	135.6	78.9	54.1	42.9	37.8	36.0
42.5°	157.0	138.1	116.7	72.1	49.8	39.5	34.3	33.5
45°	136.4	122.7	105.5	65.2	45.5	36.0	31.7	30.9
47.5°	122.7	110.7	94.4	58.3	42.0	33.5	29.2	28.3
50°	109.0	97.8	82.4	51.5	38.6	30.9	26.6	25.7
52.5°	95.2	84.1	70.4	45.5	34.3	28.3	24.0	23.2
55°	81.5	71.2	58.3	39.5	30.9	25.7	22.3	20.6
57.5°	66.9	58.3	49.8	35.2	27.5	23.2	19.7	18.0
60°	54.1	48.9	42.0	30.9	24.0	20.6	17.2	16.3
62.5°	43.8	39.5	35.2	26.6	21.5	18.0	15.4	12.9
65°	35.2	32.6	29.2	21.5	18.0	15.4	12.9	10.3
67.5°	27.5	25.7	23.2	18.0	14.6	12.9	9.4	7.7
70°	21.5	19.7	18.0	12.9	11.2	9.4	6.9	5.1
72.5°	15.4	13.7	12.9	9.4	7.7	6.9	4.3	2.6
75°	9.4	9.4	7.7	5.1	4.3	3.4	1.7	0.9
77.5°	5.1	5.1	4.3	2.6	2.6	0.9	0.0	0.0
80°	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0
82.5°	0.9	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)