

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: P1310451

Luminaire Tested: LDSQA3D13R709035DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310451  
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: LDSQA3D13R709035DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

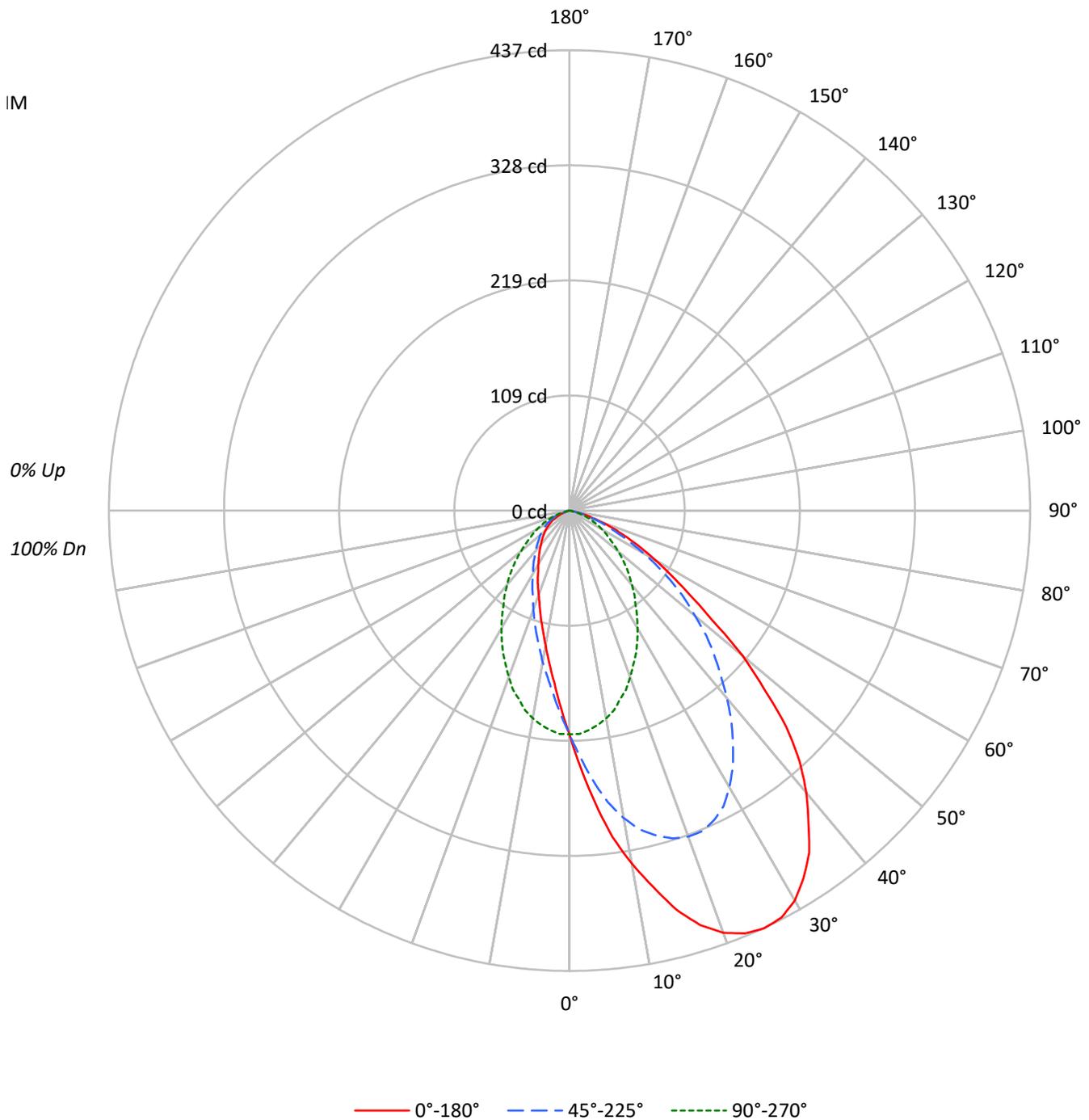
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 32.6 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
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°	36546	36546	36546	36546	36546
5°	48113	44482	36167	30289	28387
10°	59511	51817	35011	25550	22752
15°	69964	56931	33021	21592	18739
20°	78149	60353	30827	18346	15597
25°	83118	61626	28352	15791	13511
30°	84995	60316	25674	13742	11753
35°	83341	56829	22938	12425	10533
40°	78552	52203	20706	11264	9442
45°	70949	47299	18535	10230	8768
50°	57391	41583	16103	9646	8038
55°	41766	35761	13812	9008	7206
60°	32412	28279	12400	8267	6544
65°	24492	20416	10188	7335	4890
70°	17121	14603	7553	5539	3021
75°	9981	8650	3993	2662	665
80°	1984	2975	992	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 70949 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.7	4.4
10°-20°	61.9	13.0
20°-30°	93.2	19.6
30°-40°	103.7	21.8
40°-50°	91.9	19.3
50°-60°	62.4	13.1
60°-70°	32.7	6.9
70°-80°	9.3	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°	175.9	36.9
0°-40°	279.5	58.7
0°-60°	433.7	91.1
0°-90°	476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	278	257	209	175	164	28
15°	392	319	185	121	105	111
25°	437	324	149	83	71	201
35°	396	270	109	59	50	246
45°	291	194	76	42	36	221
55°	139	119	46	30	24	129
65°	60	50	25	18	12	61
75°	15	13	6	4	1	17
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°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	244.2	243.2	242.2	242.2	241.2	240.2	238.2	238.2	236.2	234.2	232.2
5°	278.3	278.3	278.3	275.3	275.3	271.3	269.3	265.3	261.3	257.3	252.3
7.5°	312.3	312.3	309.3	308.3	305.3	301.3	298.3	292.3	285.3	279.3	271.3
10°	340.3	340.3	337.3	335.3	329.3	325.3	319.3	312.3	305.3	296.3	286.3
12.5°	365.4	366.4	362.4	358.4	352.4	346.4	338.3	329.3	320.3	310.3	297.3
15°	392.4	391.4	386.4	381.4	374.4	365.4	355.4	343.4	331.3	319.3	305.3
17.5°	412.4	411.4	406.4	400.4	391.4	380.4	369.4	355.4	341.3	326.3	309.3
20°	426.4	425.4	420.4	412.4	403.4	391.4	378.4	362.4	347.4	329.3	310.3
22.5°	434.4	433.4	427.4	420.4	409.4	396.4	382.4	365.4	348.4	329.3	308.3
25°	437.4	435.4	429.4	421.4	410.4	396.4	380.4	362.4	344.4	324.3	302.3
27.5°	435.4	433.4	426.4	417.4	405.4	389.4	373.4	355.4	336.3	316.3	293.3
30°	427.4	424.4	418.4	409.4	396.4	380.4	363.4	344.4	324.3	303.3	280.3
32.5°	413.4	411.4	405.4	395.4	382.4	366.4	349.4	329.3	309.3	288.3	265.3
35°	396.4	392.4	386.4	377.4	364.4	348.4	331.3	310.3	291.3	270.3	248.3
37.5°	372.4	371.4	364.4	357.4	344.4	327.3	311.3	291.3	272.3	252.3	230.2
40°	349.4	347.4	341.3	333.3	320.3	305.3	288.3	270.3	251.3	232.2	212.2
42.5°	323.3	320.3	316.3	308.3	296.3	281.3	265.3	247.3	230.2	212.2	194.2
45°	291.3	290.3	285.3	281.3	270.3	257.3	241.2	225.2	208.2	194.2	180.2
47.5°	250.3	249.3	248.3	245.3	239.2	230.2	218.2	203.2	190.2	176.2	157.2
50°	214.2	213.2	211.2	210.2	205.2	200.2	191.2	182.2	171.2	155.2	140.1
52.5°	170.2	171.2	174.2	175.2	174.2	170.2	166.2	163.2	148.2	138.1	124.1
55°	139.1	139.1	138.1	139.1	140.1	142.1	142.1	138.1	128.1	119.1	107.1
57.5°	114.1	114.1	114.1	114.1	114.1	115.1	115.1	114.1	109.1	100.1	89.1
60°	94.1	93.1	93.1	94.1	93.1	93.1	94.1	94.1	89.1	82.1	72.1
62.5°	76.1	76.1	76.1	75.1	75.1	76.1	76.1	75.1	71.1	64.1	57.1
65°	60.1	60.1	60.1	60.1	60.1	61.1	60.1	59.1	55.1	50.1	45.0
67.5°	46.0	46.0	47.0	46.0	47.0	47.0	47.0	45.0	42.0	38.0	35.0
70°	34.0	34.0	34.0	35.0	36.0	36.0	35.0	33.0	31.0	29.0	26.0
72.5°	23.0	24.0	24.0	24.0	25.0	25.0	24.0	23.0	22.0	20.0	19.0
75°	15.0	14.0	15.0	15.0	16.0	16.0	15.0	15.0	14.0	13.0	12.0
77.5°	7.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0
80°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	212.2	212.2	212.2	212.2	212.2	212.2	212.2	212.2
2.5°	230.2	227.2	223.2	212.2	202.2	193.2	188.2	187.2
5°	246.3	242.2	232.2	209.2	190.2	175.2	166.2	164.2
7.5°	263.3	255.3	241.2	205.2	178.2	159.2	149.2	146.1
10°	276.3	266.3	247.3	200.2	166.2	146.1	134.1	130.1
12.5°	285.3	273.3	252.3	194.2	156.2	132.1	120.1	116.1
15°	290.3	277.3	253.3	185.2	144.1	121.1	108.1	105.1
17.5°	292.3	277.3	251.3	178.2	133.1	110.1	98.1	94.1
20°	291.3	273.3	246.3	168.2	123.1	100.1	88.1	85.1
22.5°	287.3	267.3	238.2	158.2	113.1	90.1	80.1	78.1
25°	281.3	259.3	229.2	149.2	104.1	83.1	73.1	71.1
27.5°	271.3	249.3	217.2	139.1	96.1	76.1	67.1	64.1
30°	258.3	237.2	205.2	129.1	88.1	69.1	61.1	59.1
32.5°	244.2	223.2	193.2	119.1	81.1	64.1	56.1	54.1
35°	228.2	208.2	178.2	109.1	74.1	59.1	51.1	50.1
37.5°	212.2	192.2	165.2	101.1	68.1	54.1	47.0	46.0
40°	194.2	178.2	158.2	92.1	63.1	50.1	44.0	42.0
42.5°	183.2	161.2	136.1	84.1	58.1	46.0	40.0	39.0
45°	159.2	143.1	123.1	76.1	53.1	42.0	37.0	36.0
47.5°	143.1	129.1	110.1	68.1	49.1	39.0	34.0	33.0
50°	127.1	114.1	96.1	60.1	45.0	36.0	31.0	30.0
52.5°	111.1	98.1	82.1	53.1	40.0	33.0	28.0	27.0
55°	95.1	83.1	68.1	46.0	36.0	30.0	26.0	24.0
57.5°	78.1	68.1	58.1	41.0	32.0	27.0	23.0	21.0
60°	63.1	57.1	49.1	36.0	28.0	24.0	20.0	19.0
62.5°	51.1	46.0	41.0	31.0	25.0	21.0	18.0	15.0
65°	41.0	38.0	34.0	25.0	21.0	18.0	15.0	12.0
67.5°	32.0	30.0	27.0	21.0	17.0	15.0	11.0	9.0
70°	25.0	23.0	21.0	15.0	13.0	11.0	8.0	6.0
72.5°	18.0	16.0	15.0	11.0	9.0	8.0	5.0	3.0
75°	11.0	11.0	9.0	6.0	5.0	4.0	2.0	1.0
77.5°	6.0	6.0	5.0	3.0	3.0	1.0	0.0	0.0
80°	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0
82.5°	1.0	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)