

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: P1311566

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709040DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

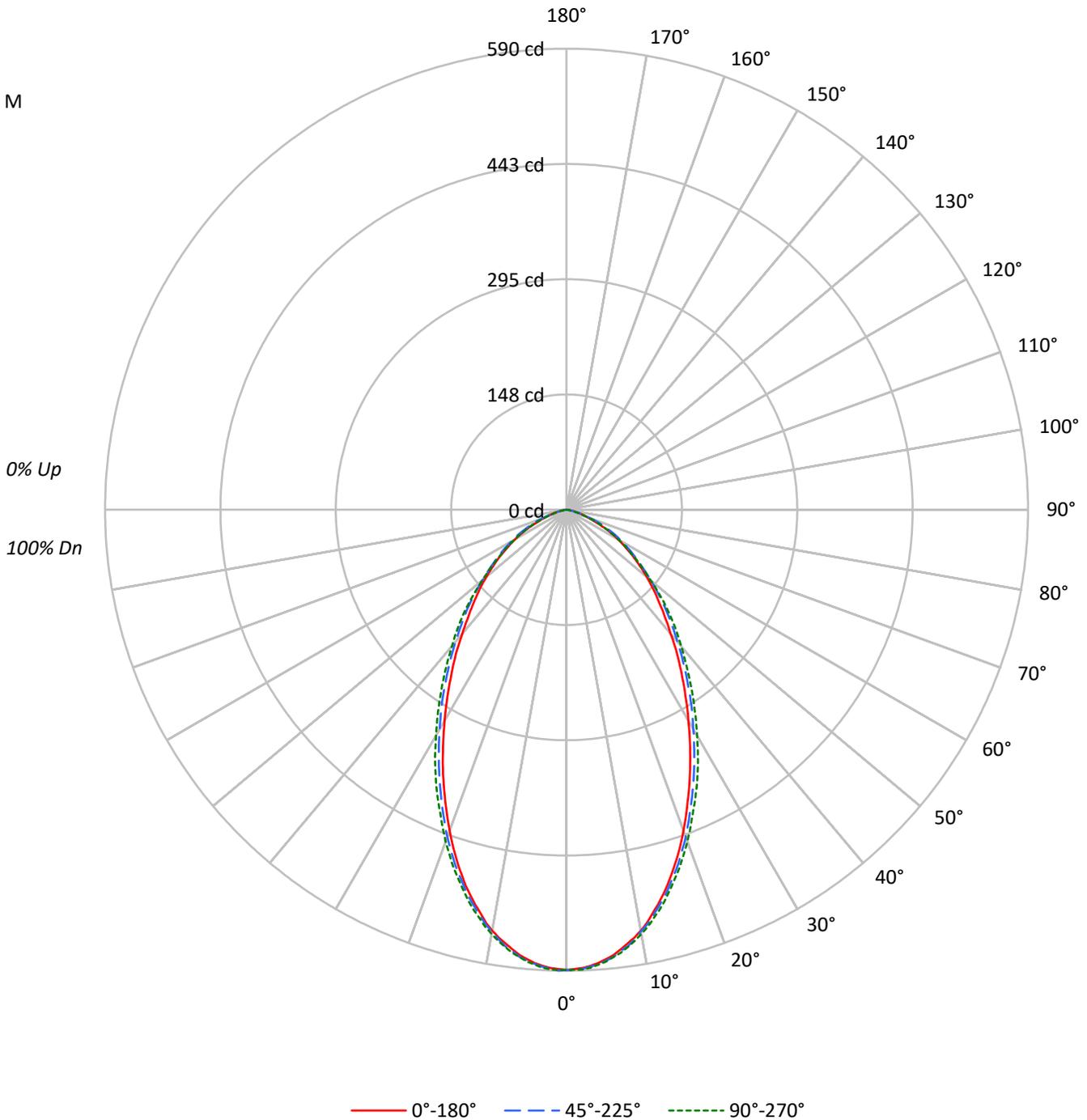
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 843.0 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
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	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35

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

	0°	45°	90°
0°	101422	101422	101422
5°	99821	100167	100357
10°	95659	95851	96394
15°	88775	89506	90254
20°	80128	81668	82804
25°	70956	72951	74737
30°	61986	64472	66361
35°	53886	56724	58490
40°	46560	49618	51259
45°	40748	43573	44839
50°	35876	37564	37564
55°	31077	32668	31708
60°	26316	28107	26660
65°	20457	23432	21313
70°	14754	17372	14754
75°	11112	10447	8384
80°	7240	5157	2083
85°	1976	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 44839 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.3	6.4
10°-20°	140.1	16.6
20°-30°	175.9	20.9
30°-40°	168.0	19.9
40°-50°	136.6	16.2
50°-60°	95.6	11.3
60°-70°	54.0	6.4
70°-80°	17.1	2.0
80°-90°	1.3	0.2
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°	370.3	43.9
0°-40°	538.3	63.9
0°-60°	770.6	91.4
0°-90°	843.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	589	589	589	589	589	
5°	577	578	579	578	580	54
15°	498	499	502	503	506	139
25°	373	378	384	390	393	171
35°	256	260	270	275	278	161
45°	167	172	179	182	184	130
55°	104	105	109	107	106	93
65°	50	53	58	54	52	50
75°	17	17	16	14	13	18
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	588.9	588.9	588.9	588.9	588.9
1°	587.8	588.9	589.9	587.8	588.9
2°	586.8	587.8	587.8	586.8	588.9
3°	584.7	585.7	585.7	584.7	586.8
4°	581.5	582.6	582.6	581.5	583.6
5°	577.4	578.4	579.4	578.4	580.5
6°	573.2	574.2	575.3	574.2	575.3
7°	566.9	569.0	569.0	569.0	571.1
8°	560.6	562.7	563.8	562.7	564.8
9°	554.3	555.4	556.4	556.4	558.5
10°	547.0	548.1	548.1	549.1	551.2
11°	538.7	538.7	540.7	540.7	543.9
12°	528.2	529.2	531.3	532.4	534.5
13°	518.8	519.8	521.9	523.0	526.1
14°	508.3	510.4	512.5	513.5	516.7
15°	497.9	498.9	502.0	503.1	506.2
17.5°	468.6	469.6	474.9	476.9	480.1
20°	437.2	440.3	445.6	448.7	451.8
22.5°	404.8	407.9	414.2	419.4	421.5
25°	373.4	377.6	383.9	390.1	393.3
27.5°	342.0	346.2	353.5	359.8	364.0
30°	311.7	315.9	324.2	329.5	333.7
32.5°	283.4	287.6	297.0	302.3	305.4
35°	256.3	260.4	269.8	275.1	278.2
37.5°	232.2	236.4	244.7	250.0	252.1
40°	207.1	212.3	220.7	225.9	228.0
42.5°	186.2	190.4	198.7	202.9	206.0
45°	167.3	171.5	178.9	182.0	184.1
47.5°	150.6	152.7	159.0	160.0	162.1
50°	133.9	136.0	140.2	141.2	140.2
52.5°	118.2	120.3	123.4	122.4	122.4
55°	103.5	104.6	108.8	106.7	105.6
57.5°	88.9	91.0	95.2	92.0	91.0
60°	76.4	78.4	81.6	79.5	77.4
62.5°	63.8	64.8	70.1	65.9	63.8
65°	50.2	53.3	57.5	54.4	52.3
67.5°	37.7	42.9	47.1	42.9	40.8
70°	29.3	31.4	34.5	32.4	29.3
72.5°	22.0	23.0	24.1	22.0	19.9
75°	16.7	16.7	15.7	13.6	12.6
77.5°	11.5	11.5	9.4	6.3	6.3
80°	7.3	7.3	5.2	2.1	2.1
82.5°	3.1	3.1	2.1	1.0	1.0
85°	1.0	1.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)