

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: P1318442

Luminaire Tested: LDSQA3D13R709830DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709830DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

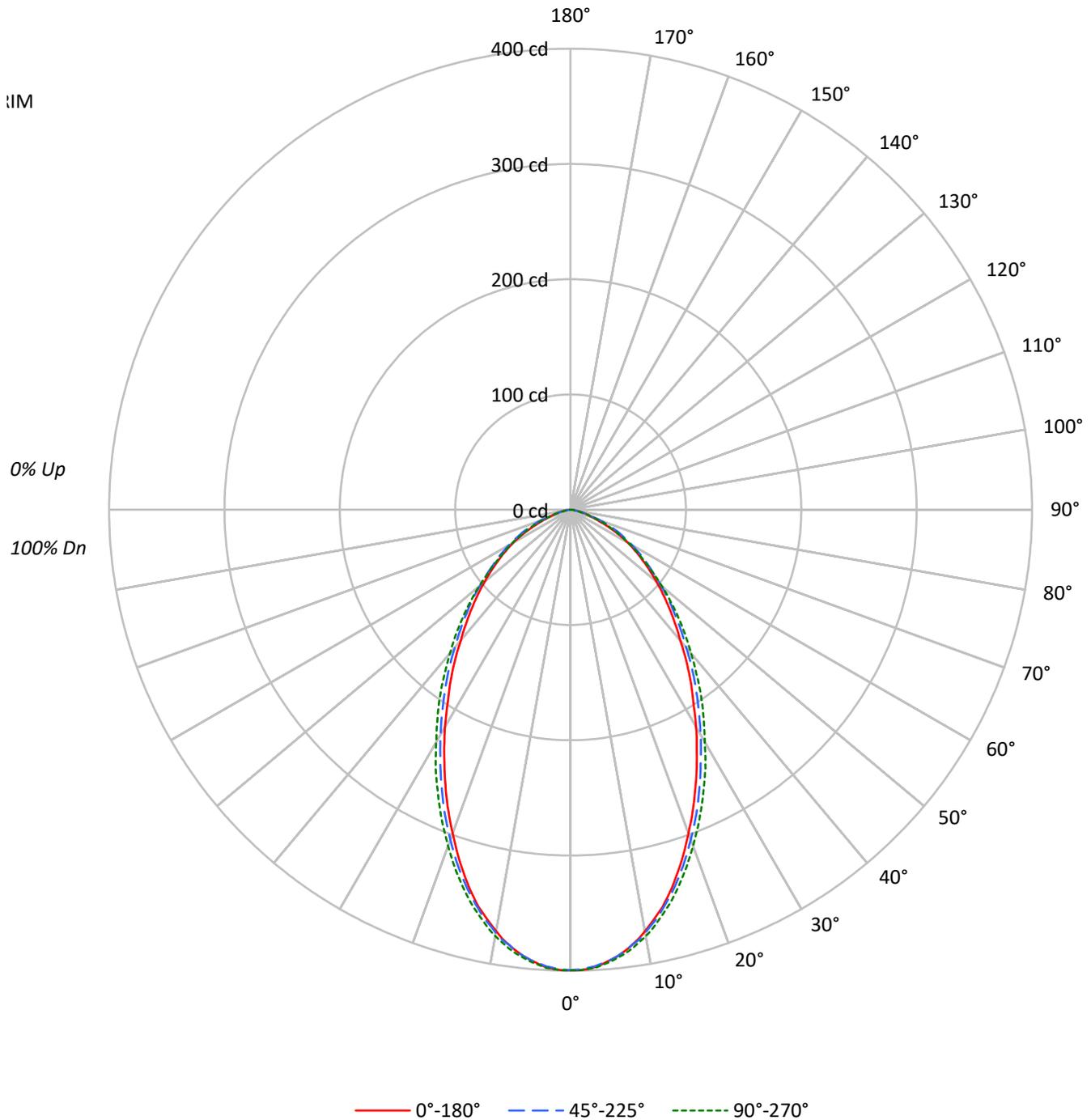
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 600.0 lumens  
Efficiency: N/A  
Efficacy: 41.4 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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
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	109	105	102	99	101	98	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78		
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68		
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61		
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54		
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34		

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

	0°	45°	90°
0°	68820	68820	68820
5°	67821	67821	68080
10°	64933	65195	65702
15°	60514	61031	61816
20°	54763	55826	56889
25°	48932	50300	51687
30°	43273	44844	46296
35°	38117	39799	41481
40°	33251	35050	36511
45°	29495	31078	32150
50°	26043	27409	27784
55°	22850	24171	23510
60°	19737	21218	20219
65°	15649	18338	16545
70°	11330	14250	12438
75°	8717	9183	7719
80°	5752	5752	4364
85°	2964	2964	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 32150 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.8	6.1
10°-20°	95.6	15.9
20°-30°	121.5	20.3
30°-40°	118.2	19.7
40°-50°	98.3	16.4
50°-60°	70.9	11.8
60°-70°	41.7	6.9
70°-80°	14.8	2.5
80°-90°	2.2	0.4
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°	254.0	42.3
0°-40°	372.2	62.0
0°-60°	541.4	90.2
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	400	400	400	400	400	
5°	392	392	392	392	394	37
15°	339	339	342	344	347	95
25°	258	260	265	270	272	118
35°	181	184	189	194	197	113
45°	121	123	128	130	132	94
55°	76	78	80	80	78	68
65°	38	41	45	43	41	38
75°	13	14	14	12	12	14
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	399.6	399.6	399.6	399.6	399.6
1°	399.6	398.9	398.9	398.9	399.6
2°	398.9	398.1	398.1	398.1	398.9
3°	397.4	396.7	396.7	396.7	398.1
4°	395.2	393.8	394.5	394.5	396.0
5°	392.3	391.6	392.3	392.3	393.8
6°	389.4	388.7	389.4	389.4	390.9
7°	385.8	385.1	385.8	386.5	388.0
8°	381.5	380.7	381.5	382.2	384.4
9°	377.1	376.4	377.8	378.6	380.0
10°	371.3	371.3	372.8	373.5	375.7
11°	365.5	365.5	367.0	368.4	370.6
12°	359.7	359.7	361.9	363.3	364.8
13°	353.9	353.2	355.4	356.8	359.0
14°	346.7	345.9	348.8	351.0	353.2
15°	339.4	339.4	342.3	344.5	346.7
17.5°	319.8	320.5	324.2	327.1	329.2
20°	298.8	301.0	304.6	308.2	310.4
22.5°	278.5	279.9	285.0	289.4	291.5
25°	257.5	260.4	264.7	269.8	272.0
27.5°	237.1	240.0	244.4	249.5	253.1
30°	217.6	219.7	225.5	230.6	232.8
32.5°	198.0	200.9	206.7	211.8	214.7
35°	181.3	183.5	189.3	194.4	197.3
37.5°	164.6	166.8	172.6	177.0	179.1
40°	147.9	151.6	155.9	160.3	162.4
42.5°	134.2	137.1	141.4	145.0	147.2
45°	121.1	123.3	127.6	130.5	132.0
47.5°	108.8	111.0	115.3	116.8	117.5
50°	97.2	99.4	102.3	103.0	103.7
52.5°	86.3	87.8	90.7	90.7	89.9
55°	76.1	78.3	80.5	79.8	78.3
57.5°	66.7	67.4	71.1	69.6	68.2
60°	57.3	58.7	61.6	60.2	58.7
62.5°	47.9	49.3	52.9	51.5	49.3
65°	38.4	41.3	45.0	42.8	40.6
67.5°	29.0	32.6	36.3	34.1	32.6
70°	22.5	25.4	28.3	26.1	24.7
72.5°	17.4	18.9	20.3	18.9	17.4
75°	13.1	13.8	13.8	12.3	11.6
77.5°	9.4	10.2	8.7	7.3	7.3
80°	5.8	6.5	5.8	4.4	4.4
82.5°	2.9	3.6	2.9	2.9	2.9
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	0.7	0.7



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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)