

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: P1320191

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

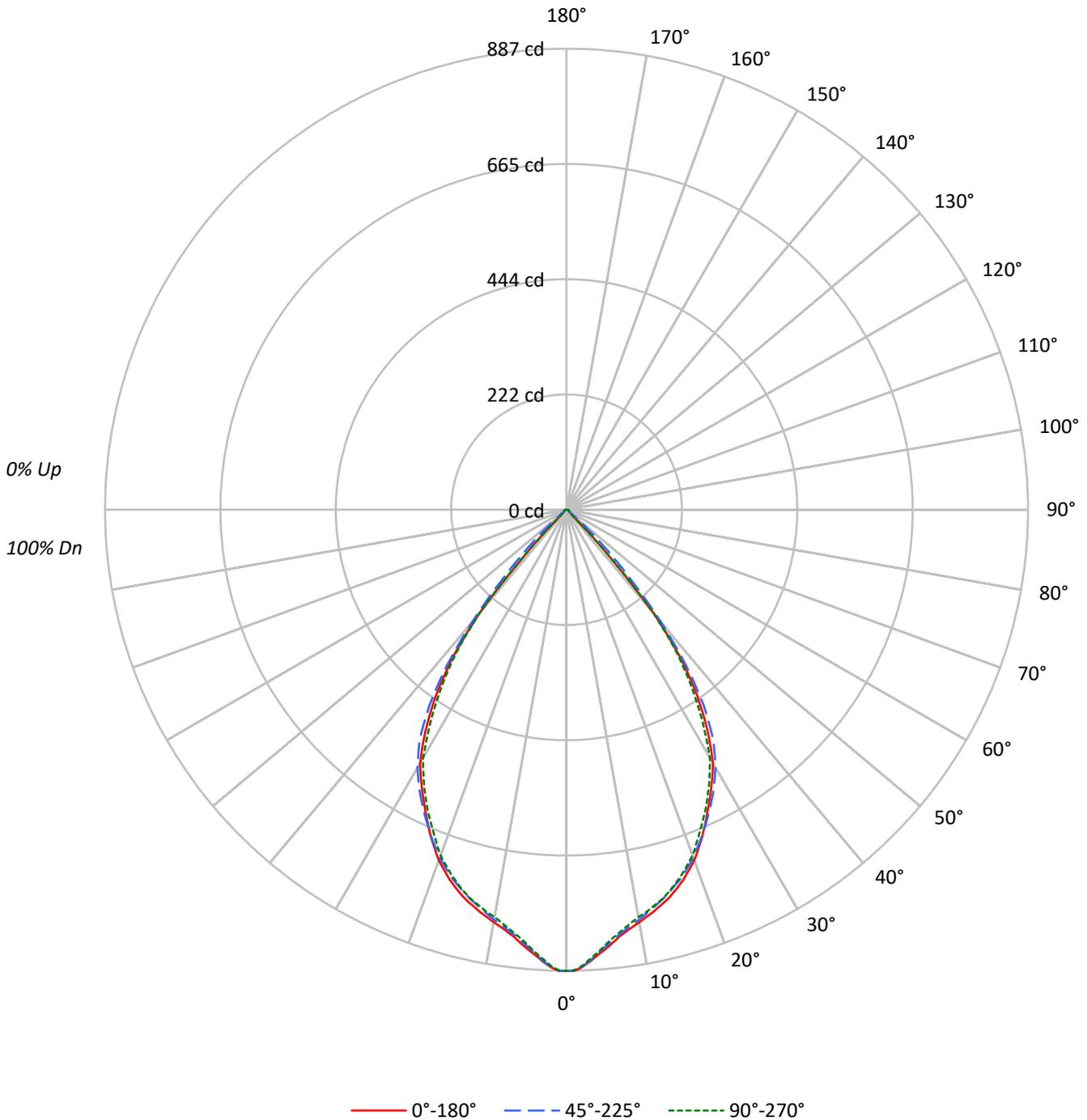
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 946.0 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	152796	152796	152796
5°	146862	146067	145548
10°	140900	140096	139152
15°	137361	135845	135703
20°	131610	130620	129777
25°	121845	122719	120382
30°	111922	113910	109615
35°	92298	96671	88744
40°	58768	63265	58768
45°	4116	27327	4506
50°	1849	5573	1849
55°	2072	2072	2072
60°	2136	2136	2136
65°	1875	2201	1875
70°	1913	2316	1913
75°	2063	2063	2063
80°	2281	2281	2281
85°	1581	2964	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 27327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.2	8.4
10°-20°	214.3	22.7
20°-30°	294.6	31.1
30°-40°	269.9	28.5
40°-50°	71.6	7.6
50°-60°	6.4	0.7
60°-70°	5.2	0.6
70°-80°	3.5	0.4
80°-90°	1.3	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°	588.1	62.2
0°-40°	858.0	90.7
0°-60°	936.0	98.9
0°-90°	946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	946.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	850	846	845	843	842	80
15°	770	763	762	762	761	216
25°	641	644	646	638	634	295
35°	439	446	460	439	422	266
45°	17	58	112	58	18	51
55°	7	7	7	7	7	6
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	1	2	2	2	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	887.2	887.2	887.2	887.2	887.2
1°	887.2	885.7	887.2	887.2	885.7
2°	880.3	878.8	879.5	878.8	878.0
3°	870.3	868.0	868.8	867.2	865.7
4°	858.8	856.5	856.5	855.7	854.2
5°	849.5	845.7	844.9	843.4	841.9
6°	838.8	834.9	834.2	831.9	830.3
7°	828.0	824.9	824.2	821.1	821.1
8°	819.6	815.7	815.7	811.9	811.9
9°	812.6	808.0	808.0	805.0	803.4
10°	805.7	801.1	801.1	797.3	795.7
11°	798.8	795.0	793.4	791.1	790.3
12°	792.6	787.3	785.7	785.0	783.4
13°	785.0	779.6	778.0	777.3	776.5
14°	778.0	771.1	770.4	768.8	769.6
15°	770.4	763.4	761.9	761.9	761.1
17.5°	746.5	741.9	739.6	738.1	736.5
20°	718.1	714.2	712.7	709.6	708.1
22.5°	681.2	680.4	679.6	675.8	669.6
25°	641.2	643.5	645.8	638.1	633.5
27.5°	602.8	608.9	611.2	603.5	593.5
30°	562.8	568.2	572.8	562.0	551.2
32.5°	505.1	518.2	525.1	512.8	488.2
35°	439.0	445.9	459.8	439.0	422.1
37.5°	362.1	366.0	376.7	362.9	351.3
40°	261.4	272.9	281.4	272.9	261.4
42.5°	117.6	164.5	186.1	173.8	123.0
45°	16.9	57.7	112.2	58.4	18.5
47.5°	6.9	9.2	58.4	8.5	6.9
50°	6.9	6.9	20.8	6.9	6.9
52.5°	6.9	6.9	7.7	6.9	6.9
55°	6.9	6.9	6.9	6.9	6.9
57.5°	6.2	6.2	6.9	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2
62.5°	5.4	6.2	6.2	6.2	5.4
65°	4.6	5.4	5.4	5.4	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	3.8	4.6	4.6	4.6	3.8
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.3	3.1	3.1	3.1	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	1.5	1.5	1.5	0.8
87.5°	0.8	0.8	0.8	0.8	0.8



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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)