

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: P1311568

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311568  
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: LDSQA3D13R709040DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

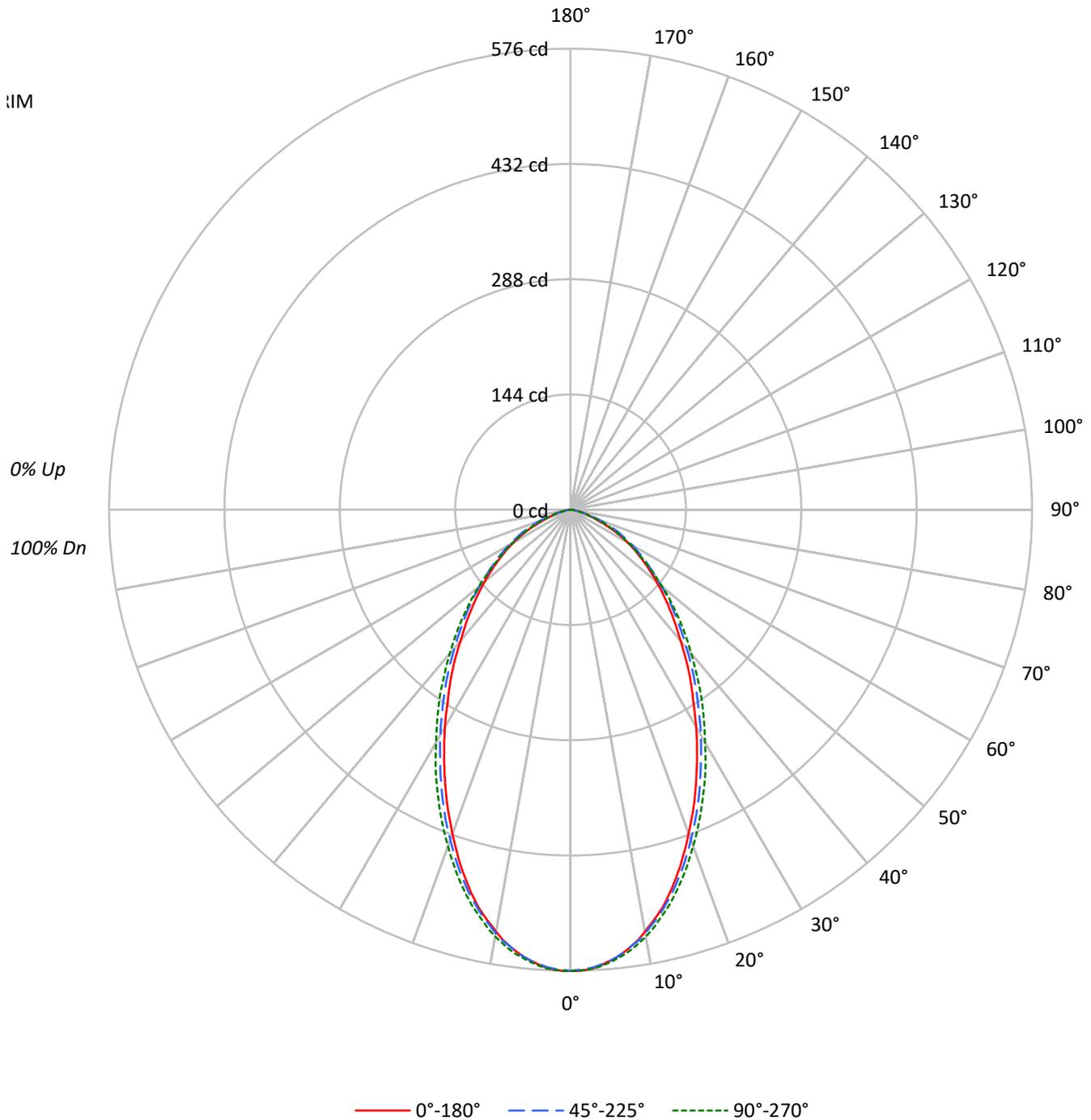
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 865.0 lumens  
Efficiency: N/A  
Efficacy: 59.2 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): 14.6  
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

TEST NUMBER: P1311568  
CATALOG NUMBER: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1311568

CATALOG NUMBER: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

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

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

	0°	45°	90°
0°	99217	99217	99217
5°	97781	97781	98144
10°	93613	93980	94715
15°	87241	87990	89113
20°	78955	80476	82016
25°	70538	72514	74509
30°	62384	64671	66739
35°	54958	57376	59794
40°	47954	50540	52653
45°	42526	44815	46349
50°	37537	39493	40056
55°	32969	34860	33899
60°	28451	30621	29175
65°	22576	26407	23840
70°	16315	20545	17876
75°	12510	13242	11112
80°	8331	8331	6248
85°	4150	4150	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 46349 cd/sqm



TEST NUMBER: P1311568

CATALOG NUMBER: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	6.1
10°-20°	137.9	15.9
20°-30°	175.2	20.3
30°-40°	170.4	19.7
40°-50°	141.7	16.4
50°-60°	102.2	11.8
60°-70°	60.1	6.9
70°-80°	21.3	2.5
80°-90°	3.1	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°	366.2	42.3
0°-40°	536.6	62.0
0°-60°	780.5	90.2
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	566	565	566	566	568	53
15°	489	489	494	497	500	137
25°	371	375	382	389	392	170
35°	261	264	273	280	284	163
45°	175	178	184	188	190	135
55°	110	113	116	115	113	99
65°	55	60	65	62	58	55
75°	19	20	20	18	17	21
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P1311568

CATALOG NUMBER: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	576.1	576.1	576.1	576.1	576.1
1°	576.1	575.0	575.0	575.0	576.1
2°	575.0	574.0	574.0	574.0	575.0
3°	572.9	571.9	571.9	571.9	574.0
4°	569.8	567.7	568.8	568.8	570.9
5°	565.6	564.6	565.6	565.6	567.7
6°	561.4	560.4	561.4	561.4	563.5
7°	556.2	555.2	556.2	557.3	559.4
8°	549.9	548.9	549.9	551.0	554.1
9°	543.7	542.6	544.7	545.8	547.9
10°	535.3	535.3	537.4	538.4	541.6
11°	526.9	526.9	529.0	531.1	534.3
12°	518.6	518.6	521.7	523.8	525.9
13°	510.2	509.2	512.3	514.4	517.5
14°	499.8	498.7	502.9	506.0	509.2
15°	489.3	489.3	493.5	496.6	499.8
17.5°	461.1	462.1	467.3	471.5	474.7
20°	430.8	433.9	439.1	444.3	447.5
22.5°	401.5	403.6	410.9	417.2	420.3
25°	371.2	375.3	381.6	388.9	392.1
27.5°	341.9	346.1	352.3	359.7	364.9
30°	313.7	316.8	325.2	332.5	335.6
32.5°	285.4	289.6	298.0	305.3	309.5
35°	261.4	264.5	272.9	280.2	284.4
37.5°	237.3	240.5	248.8	255.1	258.2
40°	213.3	218.5	224.8	231.1	234.2
42.5°	193.4	197.6	203.9	209.1	212.2
45°	174.6	177.7	184.0	188.2	190.3
47.5°	156.8	160.0	166.2	168.3	169.4
50°	140.1	143.2	147.4	148.5	149.5
52.5°	124.4	126.5	130.7	130.7	129.6
55°	109.8	112.9	116.1	115.0	112.9
57.5°	96.2	97.2	102.5	100.4	98.3
60°	82.6	84.7	88.9	86.8	84.7
62.5°	69.0	71.1	76.3	74.2	71.1
65°	55.4	59.6	64.8	61.7	58.5
67.5°	41.8	47.0	52.3	49.1	47.0
70°	32.4	36.6	40.8	37.6	35.5
72.5°	25.1	27.2	29.3	27.2	25.1
75°	18.8	19.9	19.9	17.8	16.7
77.5°	13.6	14.6	12.5	10.5	10.5
80°	8.4	9.4	8.4	6.3	6.3
82.5°	4.2	5.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1311568  
CATALOG NUMBER: LDSQA3D13R709040DE010 3LSQCLDWWR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)