

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: P1318296

Luminaire Tested: LDSQA3D09R709830DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318296  
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: LDSQA3D09R709830DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

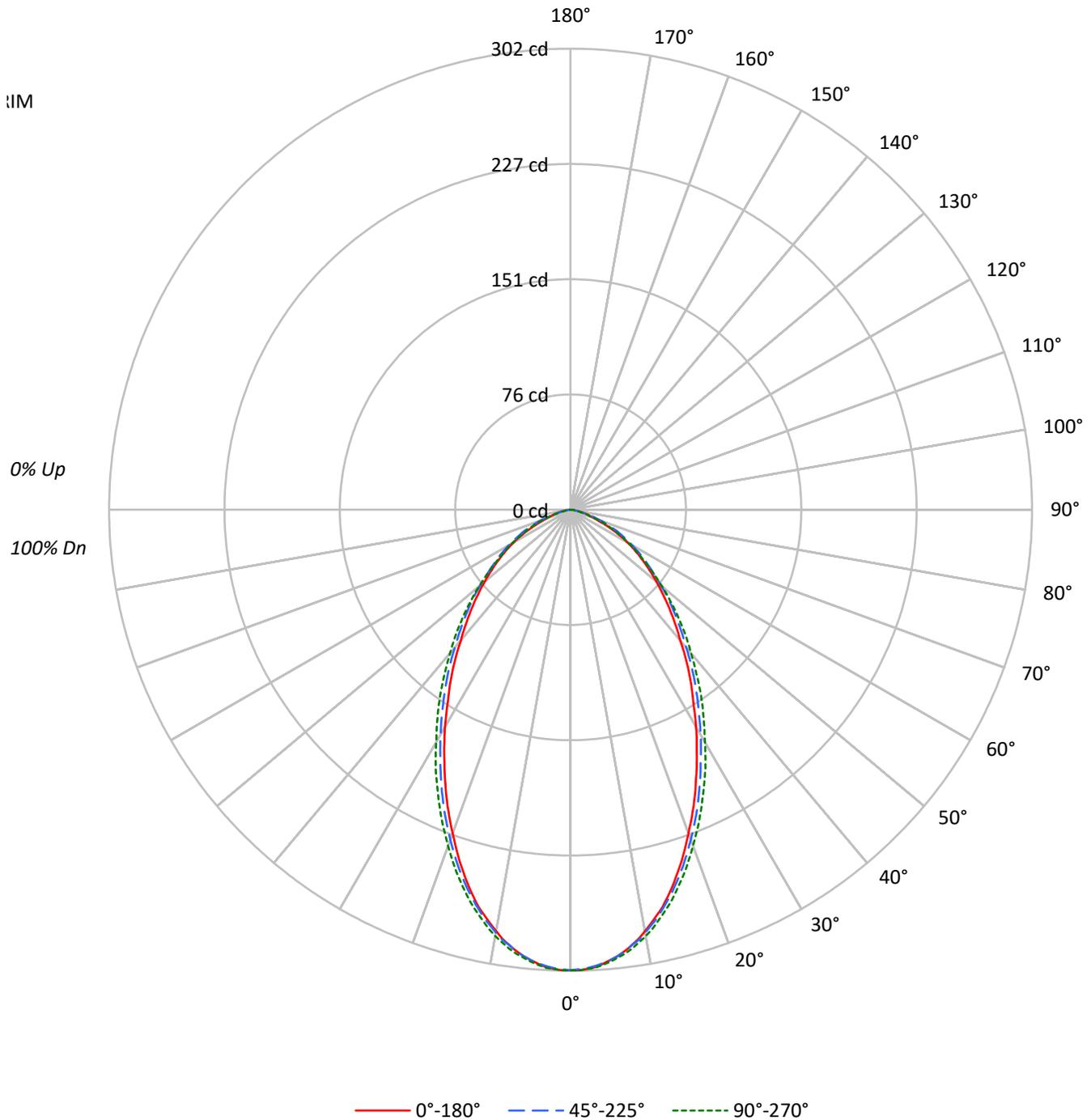
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 453.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 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): 11  
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

TEST NUMBER: P1318296  
CATALOG NUMBER: LDSQA3D09R709830DE010 3LSQCLDWWR1MW

### 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	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°	51960	51960	51960
5°	51207	51207	51397
10°	49019	49211	49596
15°	45680	46072	46661
20°	41347	42153	42941
25°	36941	37986	39012
30°	32674	33867	34961
35°	28783	30044	31305
40°	25112	26461	27563
45°	22261	23479	24283
50°	19666	20684	20979
55°	17265	18256	17745
60°	14914	16017	15293
65°	11818	13815	12511
70°	8560	10776	9366
75°	6588	6920	5856
80°	4364	4364	3273
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 24283 cd/sqm



TEST NUMBER: P1318296

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.8	6.1
10°-20°	72.2	15.9
20°-30°	91.7	20.3
30°-40°	89.2	19.7
40°-50°	74.2	16.4
50°-60°	53.5	11.8
60°-70°	31.5	6.9
70°-80°	11.2	2.5
80°-90°	1.6	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°	191.8	42.3
0°-40°	281.0	62.0
0°-60°	408.7	90.2
0°-90°	453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	453.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	302	302	302	302	302	
5°	296	296	296	296	297	28
15°	256	256	258	260	262	71
25°	194	197	200	204	205	89
35°	137	138	143	147	149	86
45°	91	93	96	99	100	71
55°	58	59	61	60	59	52
65°	29	31	34	32	31	29
75°	10	10	10	9	9	11
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	301.7	301.7	301.7	301.7	301.7
1°	301.7	301.1	301.1	301.1	301.7
2°	301.1	300.6	300.6	300.6	301.1
3°	300.1	299.5	299.5	299.5	300.6
4°	298.4	297.3	297.9	297.9	299.0
5°	296.2	295.7	296.2	296.2	297.3
6°	294.0	293.5	294.0	294.0	295.1
7°	291.3	290.7	291.3	291.8	292.9
8°	288.0	287.5	288.0	288.6	290.2
9°	284.7	284.2	285.3	285.8	286.9
10°	280.3	280.3	281.4	282.0	283.6
11°	276.0	276.0	277.1	278.1	279.8
12°	271.6	271.6	273.2	274.3	275.4
13°	267.2	266.7	268.3	269.4	271.0
14°	261.7	261.2	263.4	265.0	266.7
15°	256.2	256.2	258.4	260.1	261.7
17.5°	241.5	242.0	244.7	246.9	248.6
20°	225.6	227.2	230.0	232.7	234.3
22.5°	210.3	211.3	215.2	218.5	220.1
25°	194.4	196.6	199.9	203.7	205.3
27.5°	179.0	181.2	184.5	188.4	191.1
30°	164.3	165.9	170.3	174.1	175.8
32.5°	149.5	151.7	156.0	159.9	162.1
35°	136.9	138.5	142.9	146.7	148.9
37.5°	124.3	125.9	130.3	133.6	135.2
40°	111.7	114.4	117.7	121.0	122.6
42.5°	101.3	103.5	106.8	109.5	111.2
45°	91.4	93.1	96.4	98.6	99.7
47.5°	82.1	83.8	87.1	88.2	88.7
50°	73.4	75.0	77.2	77.8	78.3
52.5°	65.2	66.3	68.4	68.4	67.9
55°	57.5	59.1	60.8	60.2	59.1
57.5°	50.4	50.9	53.7	52.6	51.5
60°	43.3	44.4	46.5	45.4	44.4
62.5°	36.1	37.2	40.0	38.9	37.2
65°	29.0	31.2	33.9	32.3	30.7
67.5°	21.9	24.6	27.4	25.7	24.6
70°	17.0	19.2	21.4	19.7	18.6
72.5°	13.1	14.2	15.3	14.2	13.1
75°	9.9	10.4	10.4	9.3	8.8
77.5°	7.1	7.7	6.6	5.5	5.5
80°	4.4	4.9	4.4	3.3	3.3
82.5°	2.2	2.7	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1318296  
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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)