

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: P1311243

Luminaire Tested: LDSQA3D05R709040DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311243  
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: LDSQA3D05R709040DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

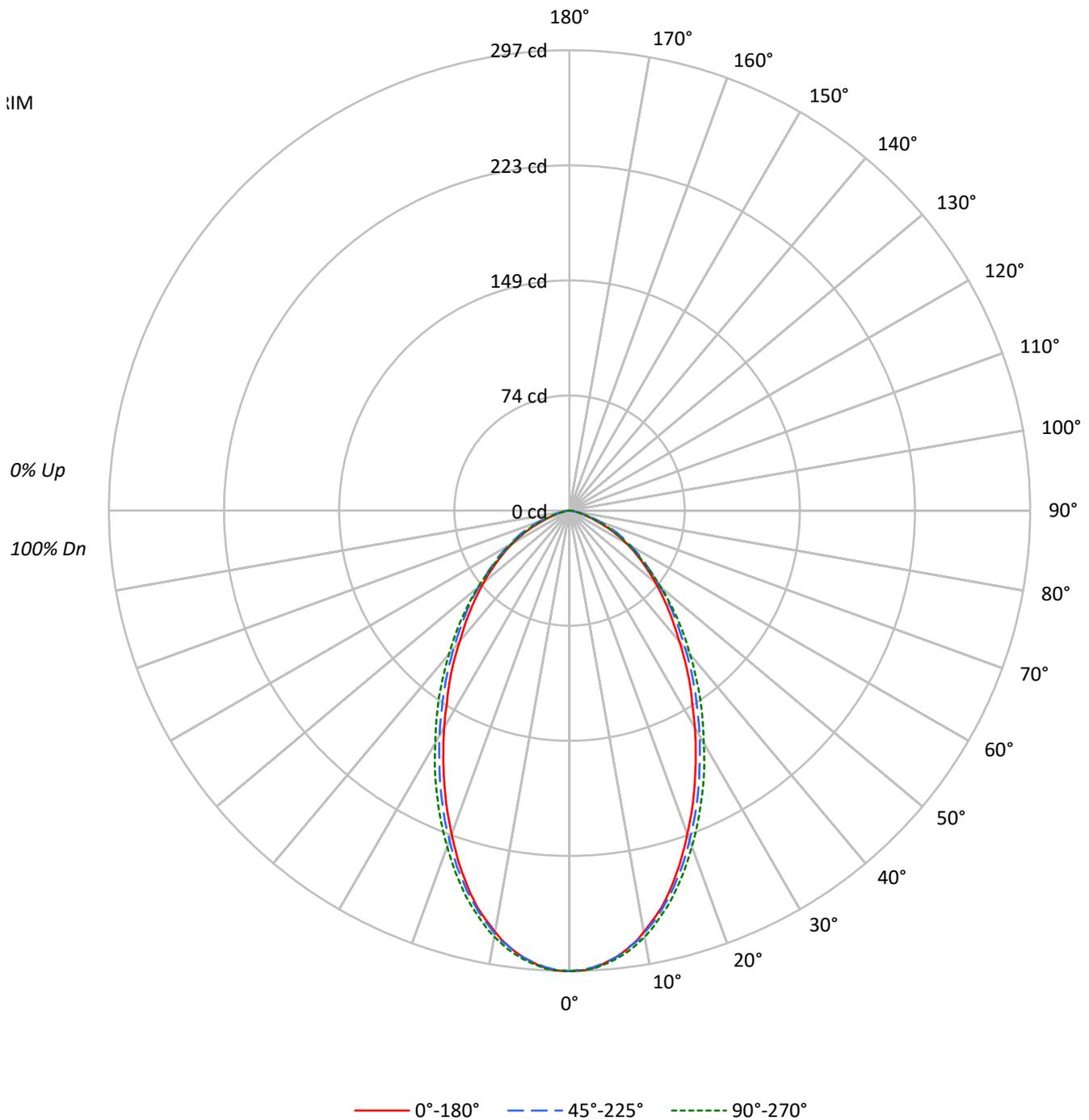
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 446.0 lumens  
Efficiency: N/A  
Efficacy: 61.9 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): 7.2  
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: P1311243  
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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°	51150	51150	51150
5°	50412	50412	50602
10°	48267	48459	48826
15°	44985	45359	45947
20°	40705	41494	42282
25°	36371	37397	38423
30°	32157	33350	34404
35°	28341	29581	30822
40°	24730	26057	27158
45°	21920	23114	23893
50°	19345	20363	20657
55°	16995	17956	17475
60°	14673	15776	15052
65°	11655	13611	12307
70°	8409	10574	9215
75°	6455	6787	5723
80°	4265	4265	3174
85°	2174	2174	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 23893 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.4	6.1
10°-20°	71.1	15.9
20°-30°	90.3	20.3
30°-40°	87.9	19.7
40°-50°	73.1	16.4
50°-60°	52.7	11.8
60°-70°	31.0	7.0
70°-80°	11.0	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°	188.8	42.3
0°-40°	276.7	62.0
0°-60°	402.4	90.2
0°-90°	446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	297	297	297	297	297	
5°	292	291	292	292	293	27
15°	252	252	254	256	258	70
25°	191	194	197	200	202	88
35°	135	136	141	144	147	84
45°	90	92	95	97	98	70
55°	57	58	60	59	58	51
65°	29	31	33	32	30	28
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°	297.0	297.0	297.0	297.0	297.0
1°	297.0	296.5	296.5	296.5	297.0
2°	296.5	296.0	296.0	296.0	296.5
3°	295.4	294.9	294.9	294.9	296.0
4°	293.8	292.7	293.3	293.3	294.3
5°	291.6	291.1	291.6	291.6	292.7
6°	289.5	288.9	289.5	289.5	290.6
7°	286.8	286.2	286.8	287.3	288.4
8°	283.6	283.0	283.6	284.1	285.7
9°	280.3	279.8	280.9	281.4	282.5
10°	276.0	276.0	277.1	277.6	279.2
11°	271.7	271.7	272.8	273.9	275.5
12°	267.4	267.4	269.0	270.1	271.2
13°	263.1	262.5	264.1	265.2	266.8
14°	257.7	257.1	259.3	260.9	262.5
15°	252.3	252.3	254.4	256.1	257.7
17.5°	237.7	238.3	241.0	243.1	244.7
20°	222.1	223.7	226.4	229.1	230.7
22.5°	207.0	208.1	211.9	215.1	216.7
25°	191.4	193.5	196.8	200.5	202.2
27.5°	176.3	178.4	181.7	185.4	188.1
30°	161.7	163.3	167.7	171.4	173.0
32.5°	147.2	149.3	153.6	157.4	159.6
35°	134.8	136.4	140.7	144.5	146.6
37.5°	122.4	124.0	128.3	131.5	133.2
40°	110.0	112.7	115.9	119.1	120.8
42.5°	99.7	101.9	105.1	107.8	109.4
45°	90.0	91.6	94.9	97.0	98.1
47.5°	80.9	82.5	85.7	86.8	87.3
50°	72.2	73.9	76.0	76.5	77.1
52.5°	64.2	65.2	67.4	67.4	66.8
55°	56.6	58.2	59.8	59.3	58.2
57.5°	49.6	50.1	52.8	51.8	50.7
60°	42.6	43.7	45.8	44.7	43.7
62.5°	35.6	36.7	39.4	38.3	36.7
65°	28.6	30.7	33.4	31.8	30.2
67.5°	21.6	24.3	27.0	25.3	24.3
70°	16.7	18.9	21.0	19.4	18.3
72.5°	12.9	14.0	15.1	14.0	12.9
75°	9.7	10.2	10.2	9.2	8.6
77.5°	7.0	7.5	6.5	5.4	5.4
80°	4.3	4.9	4.3	3.2	3.2
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: P1311243  
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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)