

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: P1307889

Luminaire Tested: LDSQA3D05R709027DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307889  
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: LDSQA3D05R709027DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

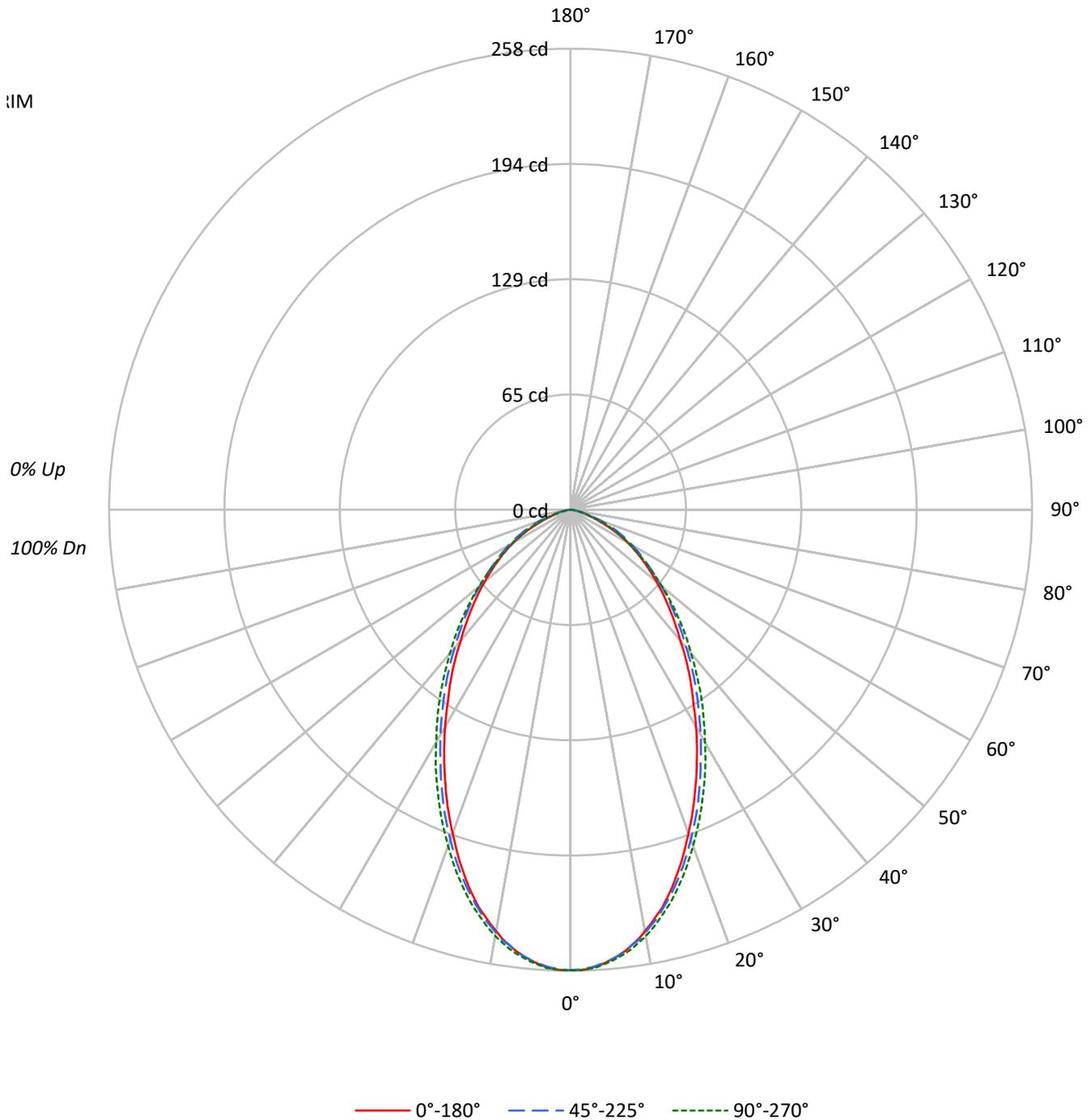
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 387.0 lumens  
Efficiency: N/A  
Efficacy: 53.8 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: P1307889  
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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	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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

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

	0°	45°	90°
0°	44382	44382	44382
5°	43756	43756	43912
10°	41884	42041	42373
15°	39029	39368	39867
20°	35317	36014	36692
25°	31563	32438	33331
30°	27901	28935	29870
35°	24578	25671	26743
40°	21448	22617	23561
45°	19022	20045	20727
50°	16799	17683	17925
55°	14743	15584	15163
60°	12744	13709	13054
65°	10106	11818	10677
70°	7301	9165	8006
75°	5590	5922	4991
80°	3670	3670	2777
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 20727 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.8	6.1
10°-20°	61.7	15.9
20°-30°	78.4	20.3
30°-40°	76.2	19.7
40°-50°	63.4	16.4
50°-60°	45.7	11.8
60°-70°	26.9	6.9
70°-80°	9.5	2.5
80°-90°	1.4	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°	163.8	42.3
0°-40°	240.1	62.0
0°-60°	349.2	90.2
0°-90°	387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	387.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	258	258	258	258	258	
5°	253	253	253	253	254	24
15°	219	219	221	222	224	61
25°	166	168	171	174	175	76
35°	117	118	122	125	127	73
45°	78	80	82	84	85	60
55°	49	50	52	52	50	44
65°	25	27	29	28	26	25
75°	8	9	9	8	8	9
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	257.7	257.7	257.7	257.7	257.7
1°	257.7	257.3	257.3	257.3	257.7
2°	257.3	256.8	256.8	256.8	257.3
3°	256.3	255.9	255.9	255.9	256.8
4°	254.9	254.0	254.5	254.5	255.4
5°	253.1	252.6	253.1	253.1	254.0
6°	251.2	250.7	251.2	251.2	252.1
7°	248.9	248.4	248.9	249.3	250.3
8°	246.0	245.6	246.0	246.5	247.9
9°	243.2	242.8	243.7	244.2	245.1
10°	239.5	239.5	240.4	240.9	242.3
11°	235.8	235.8	236.7	237.6	239.0
12°	232.0	232.0	233.4	234.3	235.3
13°	228.3	227.8	229.2	230.1	231.5
14°	223.6	223.1	225.0	226.4	227.8
15°	218.9	218.9	220.8	222.2	223.6
17.5°	206.3	206.8	209.1	211.0	212.4
20°	192.7	194.1	196.5	198.8	200.2
22.5°	179.6	180.6	183.8	186.6	188.0
25°	166.1	167.9	170.7	174.0	175.4
27.5°	153.0	154.8	157.6	160.9	163.2
30°	140.3	141.7	145.5	148.7	150.2
32.5°	127.7	129.6	133.3	136.6	138.5
35°	116.9	118.3	122.1	125.4	127.2
37.5°	106.2	107.6	111.3	114.1	115.5
40°	95.4	97.8	100.6	103.4	104.8
42.5°	86.5	88.4	91.2	93.6	95.0
45°	78.1	79.5	82.3	84.2	85.1
47.5°	70.2	71.6	74.4	75.3	75.8
50°	62.7	64.1	66.0	66.4	66.9
52.5°	55.7	56.6	58.5	58.5	58.0
55°	49.1	50.5	51.9	51.5	50.5
57.5°	43.0	43.5	45.8	44.9	44.0
60°	37.0	37.9	39.8	38.8	37.9
62.5°	30.9	31.8	34.1	33.2	31.8
65°	24.8	26.7	29.0	27.6	26.2
67.5°	18.7	21.0	23.4	22.0	21.0
70°	14.5	16.4	18.2	16.8	15.9
72.5°	11.2	12.2	13.1	12.2	11.2
75°	8.4	8.9	8.9	8.0	7.5
77.5°	6.1	6.5	5.6	4.7	4.7
80°	3.7	4.2	3.7	2.8	2.8
82.5°	1.9	2.3	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1307889  
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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)