

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: P1307115

Luminaire Tested: LDSQA3D13R159024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

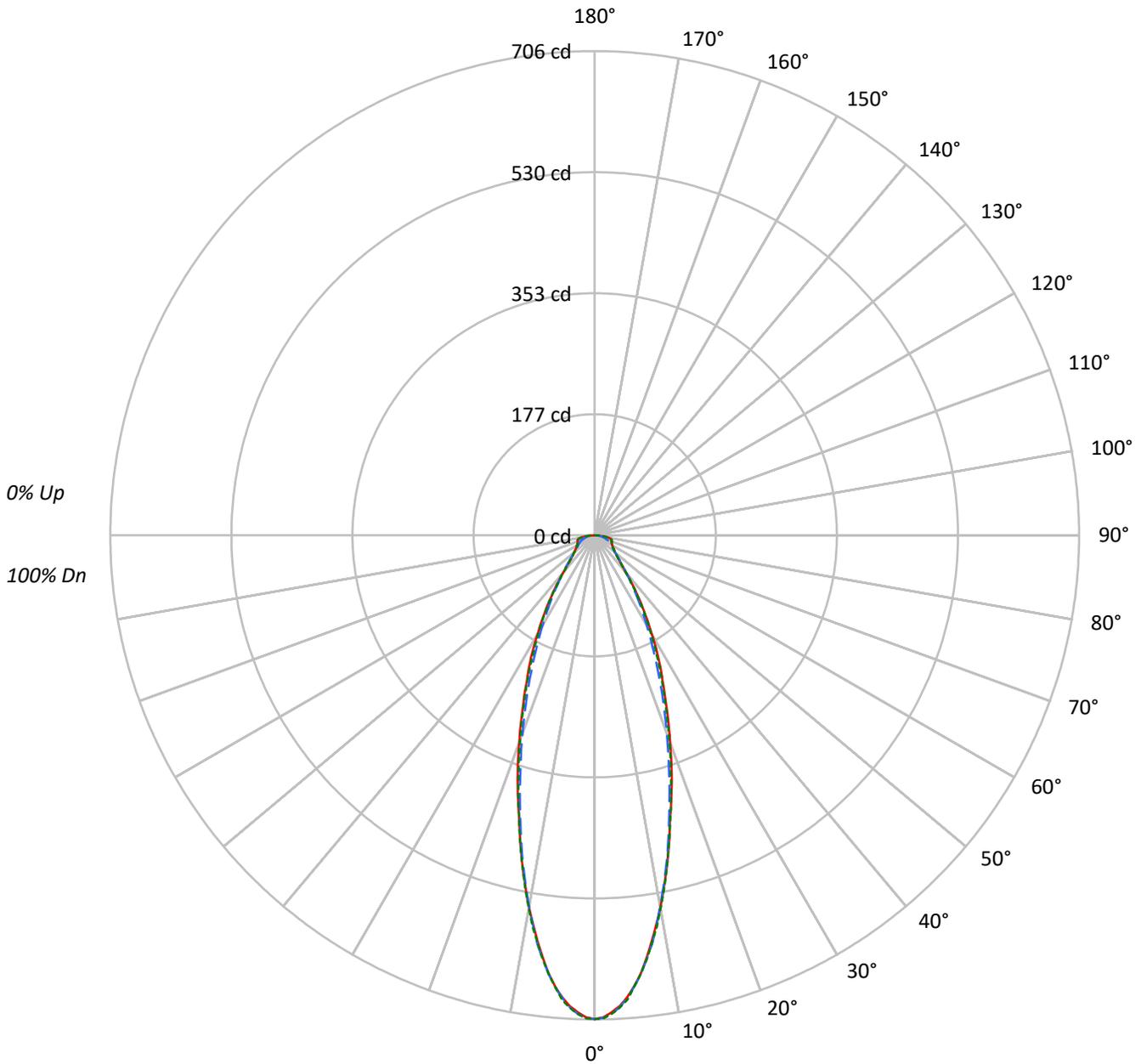
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 473.0 lumens  
Efficiency: N/A  
Efficacy: 32.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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 (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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	121520	121520	121520
5°	114118	114274	114274
10°	96411	96096	96708
15°	75812	74743	75973
20°	58923	56247	58135
25°	44466	41388	43820
30°	33071	30168	32395
35°	23611	21992	23253
40°	16007	16187	15805
45°	11910	12519	11910
50°	10342	10342	10342
55°	10029	9518	10029
60°	10333	9438	10023
65°	11166	9780	11166
70°	13394	9920	13394
75°	17101	10247	17101
80°	21224	11009	20431
85°	16994	10078	18575

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 21224 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.5	12.6
10°-20°	117.6	24.9
20°-30°	104.0	22.0
30°-40°	68.3	14.4
40°-50°	39.9	8.4
50°-60°	29.4	6.2
60°-70°	25.0	5.3
70°-80°	20.6	4.4
80°-90°	8.6	1.8
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°	281.1	59.4
0°-40°	349.4	73.9
0°-60°	418.7	88.5
0°-90°	473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	660	660	661	662	661	59
15°	425	425	419	424	426	119
25°	234	226	218	224	231	108
35°	112	108	105	107	111	71
45°	49	50	51	50	49	39
55°	33	33	32	33	33	30
65°	27	25	24	25	27	27
75°	26	19	15	20	26	26
85°	9	9	5	9	9	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	705.6	705.6	705.6	705.6	705.6
1°	703.0	703.9	703.9	704.7	704.7
2°	696.1	697.9	698.7	698.7	698.7
3°	687.6	688.4	689.3	690.1	690.1
4°	675.6	676.4	676.4	678.1	679.0
5°	660.1	660.1	661.0	661.8	661.0
6°	642.1	642.1	643.0	643.0	643.0
7°	620.7	621.6	622.4	623.3	622.4
8°	597.6	598.4	601.0	601.0	600.1
9°	574.4	575.3	575.3	577.8	577.8
10°	551.3	551.3	549.5	551.3	553.0
12.5°	488.7	487.8	485.2	487.8	489.5
15°	425.2	425.2	419.2	424.4	426.1
17.5°	373.8	366.1	360.1	365.2	369.5
20°	321.5	313.8	306.9	312.1	317.2
22.5°	274.3	268.3	259.8	264.9	270.9
25°	234.0	226.3	217.8	223.8	230.6
27.5°	200.6	190.3	181.8	188.6	194.6
30°	166.3	159.5	151.7	156.9	162.9
32.5°	137.2	132.0	126.0	130.3	135.5
35°	112.3	108.0	104.6	107.2	110.6
37.5°	90.0	88.3	86.6	87.4	87.4
40°	71.2	72.0	72.0	72.0	70.3
42.5°	58.3	59.2	60.9	59.2	58.3
45°	48.9	49.7	51.4	49.7	48.9
47.5°	42.9	43.7	44.6	42.9	42.9
50°	38.6	38.6	38.6	38.6	38.6
52.5°	36.0	35.2	35.2	35.2	36.0
55°	33.4	32.6	31.7	32.6	33.4
57.5°	30.9	30.0	29.1	30.0	30.9
60°	30.0	28.3	27.4	28.3	29.1
62.5°	28.3	26.6	25.7	26.6	28.3
65°	27.4	24.9	24.0	24.9	27.4
67.5°	26.6	23.1	21.4	23.1	26.6
70°	26.6	21.4	19.7	22.3	26.6
72.5°	25.7	20.6	17.1	20.6	25.7
75°	25.7	18.9	15.4	19.7	25.7
77.5°	24.0	17.1	12.9	18.0	24.0
80°	21.4	15.4	11.1	16.3	20.6
82.5°	15.4	12.9	8.6	12.9	15.4
85°	8.6	9.4	5.1	8.6	9.4
87.5°	0.9	2.6	1.7	5.1	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)