

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: P1319094

Luminaire Tested: LDSQA3D09R309835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

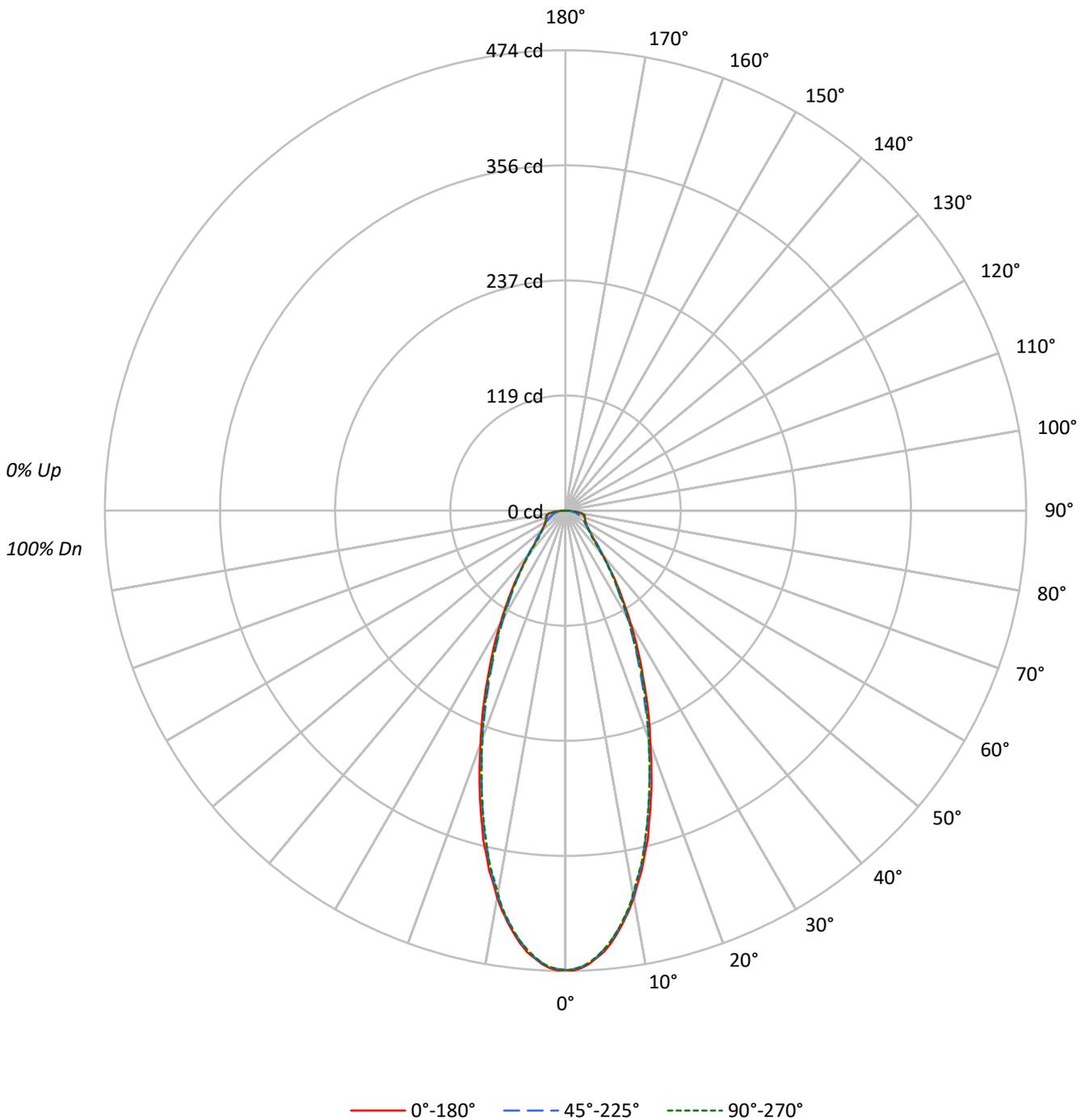
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.0 lumens
Efficiency: N/A
Efficacy: 33.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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 (A_{in}): 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





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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		0
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	99	96	97	95	93	94	92	91		89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81		79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74		72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67		66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62		61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58		56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54		52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51		49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48		46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81461	81461	81461
5°	78816	78419	78419
10°	70739	70337	70039
15°	59284	58357	58268
20°	46809	45856	45856
25°	35820	34414	35060
30°	26588	25216	25793
35°	19216	18375	18502
40°	13219	13489	12837
45°	9889	10303	9450
50°	8574	8413	8413
55°	8047	7717	7897
60°	8267	7681	8060
65°	9088	7702	8843
70°	10625	7755	10373
75°	13708	8384	13308
80°	16960	9025	15869
85°	13635	9090	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	11.2
10°-20°	90.7	24.3
20°-30°	84.5	22.7
30°-40°	56.1	15.0
40°-50°	32.6	8.8
50°-60°	23.8	6.4
60°-70°	20.1	5.4
70°-80°	16.6	4.5
80°-90°	6.9	1.9
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°	216.9	58.1
0°-40°	273.0	73.2
0°-60°	329.4	88.3
0°-90°	373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	473	473	473	473	473	
5°	456	455	454	454	454	42
15°	332	329	327	327	327	92
25°	188	185	181	182	184	87
35°	91	90	87	88	88	57
45°	41	41	42	40	39	33
55°	27	26	26	26	26	24
65°	22	20	19	20	22	22
75°	21	15	13	15	20	21
85°	7	8	5	7	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	473.0	473.0	473.0	473.0	473.0
1°	473.6	473.0	471.9	472.4	472.4
2°	471.3	470.7	470.1	470.1	470.1
3°	467.3	466.7	466.1	466.1	466.1
4°	461.6	461.0	461.0	460.4	460.4
5°	455.9	455.3	453.6	453.6	453.6
6°	447.9	447.3	446.2	445.6	445.6
7°	438.2	438.2	436.4	435.9	436.4
8°	427.9	427.3	426.2	425.6	425.6
9°	417.0	415.3	415.3	413.6	414.7
10°	404.5	403.3	402.2	401.0	400.5
11°	390.2	389.6	387.9	386.7	386.2
12°	378.2	375.3	374.2	372.5	373.6
13°	362.7	361.0	358.2	357.6	358.2
14°	349.6	346.2	343.9	342.8	342.2
15°	332.5	329.0	327.3	326.8	326.8
17.5°	294.2	291.9	287.3	287.3	287.3
20°	255.4	253.1	250.2	249.6	250.2
22.5°	221.6	217.6	213.1	213.7	217.1
25°	188.5	185.1	181.1	181.7	184.5
27.5°	160.5	156.0	152.0	153.1	154.8
30°	133.7	130.8	126.8	128.0	129.7
32.5°	110.8	109.1	104.5	105.7	107.4
35°	91.4	89.7	87.4	88.0	88.0
37.5°	73.1	73.1	72.5	72.0	71.4
40°	58.8	60.0	60.0	58.3	57.1
42.5°	48.0	49.1	50.3	48.0	46.3
45°	40.6	41.1	42.3	40.0	38.8
47.5°	35.4	35.4	36.6	34.8	34.3
50°	32.0	32.0	31.4	30.8	31.4
52.5°	29.1	28.6	28.0	28.6	28.6
55°	26.8	26.3	25.7	26.3	26.3
57.5°	25.1	24.6	24.0	24.0	24.6
60°	24.0	22.9	22.3	22.9	23.4
62.5°	22.9	21.1	20.6	21.1	22.3
65°	22.3	20.0	18.9	20.0	21.7
67.5°	21.7	18.9	17.1	18.9	21.1
70°	21.1	17.7	15.4	17.7	20.6
72.5°	20.6	16.6	14.3	16.6	20.6
75°	20.6	15.4	12.6	15.4	20.0
77.5°	19.4	14.3	10.9	14.3	18.9
80°	17.1	13.1	9.1	12.6	16.0
82.5°	12.6	11.4	6.9	10.9	12.0
85°	6.9	8.0	4.6	7.4	6.3
87.5°	1.1	1.7	1.1	3.4	2.3



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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)