

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: P1307321

Luminaire Tested: LDSQA3D17R309024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307321
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: LDSQA3D17R309024DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

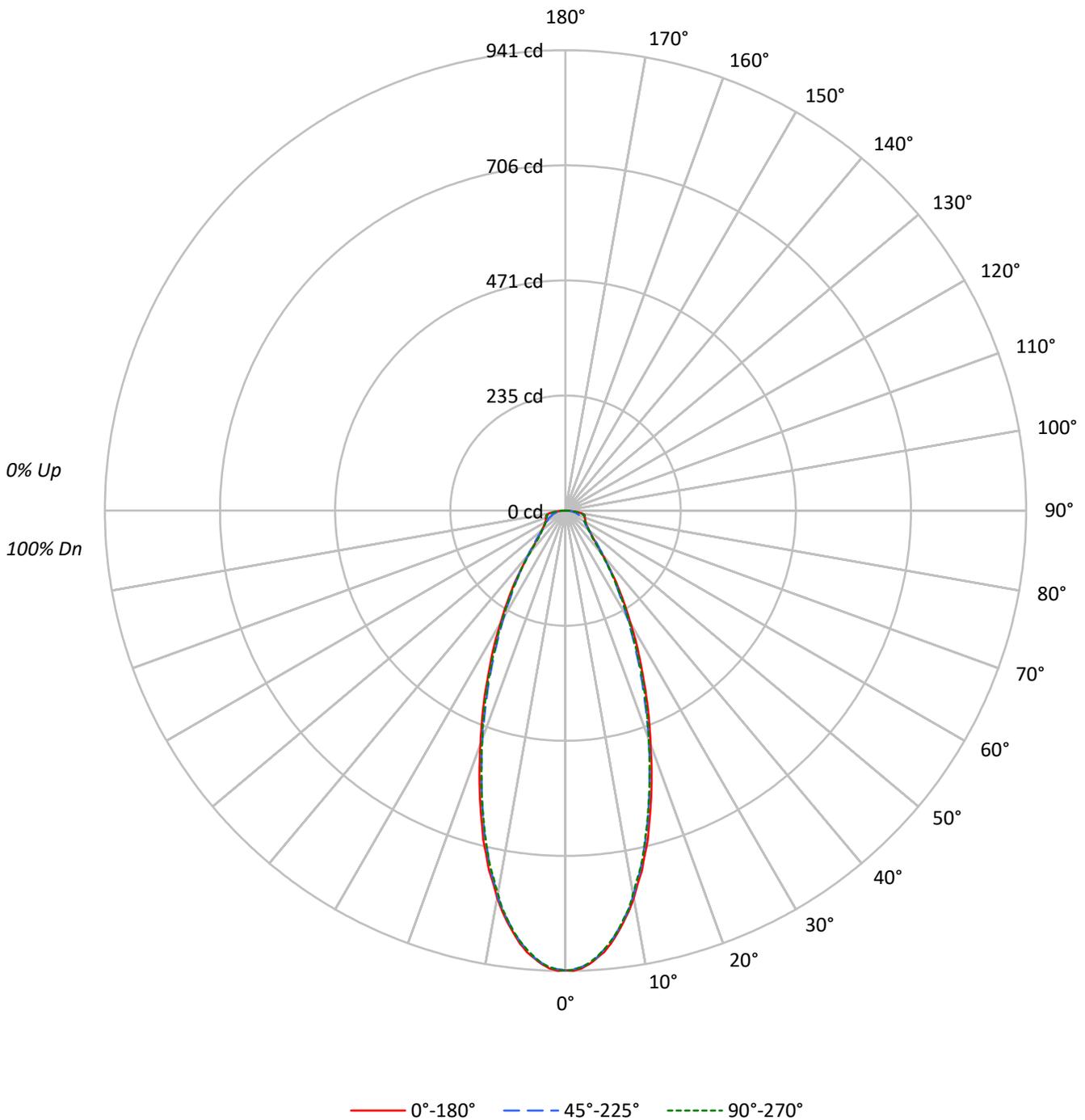
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 741.0 lumens
Efficiency: N/A
Efficacy: 35.0 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): 21.2
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	161838	161838	161838
5°	156561	155783	155783
10°	140516	139711	139117
15°	117766	115947	115733
20°	92976	91106	91106
25°	71165	68372	69664
30°	52819	50094	51228
35°	38180	36499	36751
40°	26282	26799	25517
45°	19631	20459	18803
50°	17040	16719	16719
55°	16004	15343	15674
60°	16430	15259	16017
65°	18053	15282	17564
70°	21149	15408	20595
75°	27216	16635	26417
80°	33721	18051	31539
85°	26874	17982	24700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 33721 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	11.2
10°-20°	180.2	24.3
20°-30°	167.9	22.7
30°-40°	111.4	15.0
40°-50°	64.9	8.8
50°-60°	47.2	6.4
60°-70°	39.9	5.4
70°-80°	33.0	4.5
80°-90°	13.7	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°	430.9	58.1
0°-40°	542.3	73.2
0°-60°	654.3	88.3
0°-90°	741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	906	904	901	901	901	83
15°	660	654	650	649	649	182
25°	374	368	360	361	367	173
35°	182	178	174	175	175	114
45°	81	82	84	79	77	65
55°	53	52	51	52	52	48
65°	44	40	38	40	43	44
75°	41	31	25	31	40	42
85°	14	16	9	15	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.7	939.7	939.7	939.7	939.7
1°	940.8	939.7	937.4	938.5	938.5
2°	936.3	935.1	934.0	934.0	934.0
3°	928.3	927.2	926.0	926.0	926.0
4°	917.0	915.8	915.8	914.7	914.7
5°	905.6	904.5	901.1	901.1	901.1
6°	889.7	888.6	886.3	885.2	885.2
7°	870.4	870.4	867.0	865.9	867.0
8°	850.0	848.9	846.6	845.5	845.5
9°	828.4	825.0	825.0	821.6	823.9
10°	803.5	801.2	798.9	796.7	795.5
11°	775.1	774.0	770.6	768.3	767.2
12°	751.3	745.6	743.3	739.9	742.2
13°	720.6	717.2	711.6	710.4	711.6
14°	694.5	687.7	683.2	680.9	679.8
15°	660.5	653.7	650.3	649.1	649.1
17.5°	584.5	579.9	570.8	570.8	570.8
20°	507.3	502.7	497.1	495.9	497.1
22.5°	440.3	432.4	423.3	424.4	431.2
25°	374.5	367.7	359.8	360.9	366.6
27.5°	318.9	309.8	301.9	304.1	307.5
30°	265.6	259.9	251.9	254.2	257.6
32.5°	220.2	216.8	207.7	209.9	213.4
35°	181.6	178.2	173.6	174.8	174.8
37.5°	145.3	145.3	144.1	143.0	141.9
40°	116.9	119.2	119.2	115.8	113.5
42.5°	95.3	97.6	99.9	95.3	91.9
45°	80.6	81.7	84.0	79.4	77.2
47.5°	70.4	70.4	72.6	69.2	68.1
50°	63.6	63.6	62.4	61.3	62.4
52.5°	57.9	56.7	55.6	56.7	56.7
55°	53.3	52.2	51.1	52.2	52.2
57.5°	49.9	48.8	47.7	47.7	48.8
60°	47.7	45.4	44.3	45.4	46.5
62.5°	45.4	42.0	40.9	42.0	44.3
65°	44.3	39.7	37.5	39.7	43.1
67.5°	43.1	37.5	34.0	37.5	42.0
70°	42.0	35.2	30.6	35.2	40.9
72.5°	40.9	32.9	28.4	32.9	40.9
75°	40.9	30.6	25.0	30.6	39.7
77.5°	38.6	28.4	21.6	28.4	37.5
80°	34.0	26.1	18.2	25.0	31.8
82.5°	25.0	22.7	13.6	21.6	23.8
85°	13.6	15.9	9.1	14.8	12.5
87.5°	2.3	3.4	2.3	6.8	4.5



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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)