

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: P1310521

Luminaire Tested: LDSQA3D17R309035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309035DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

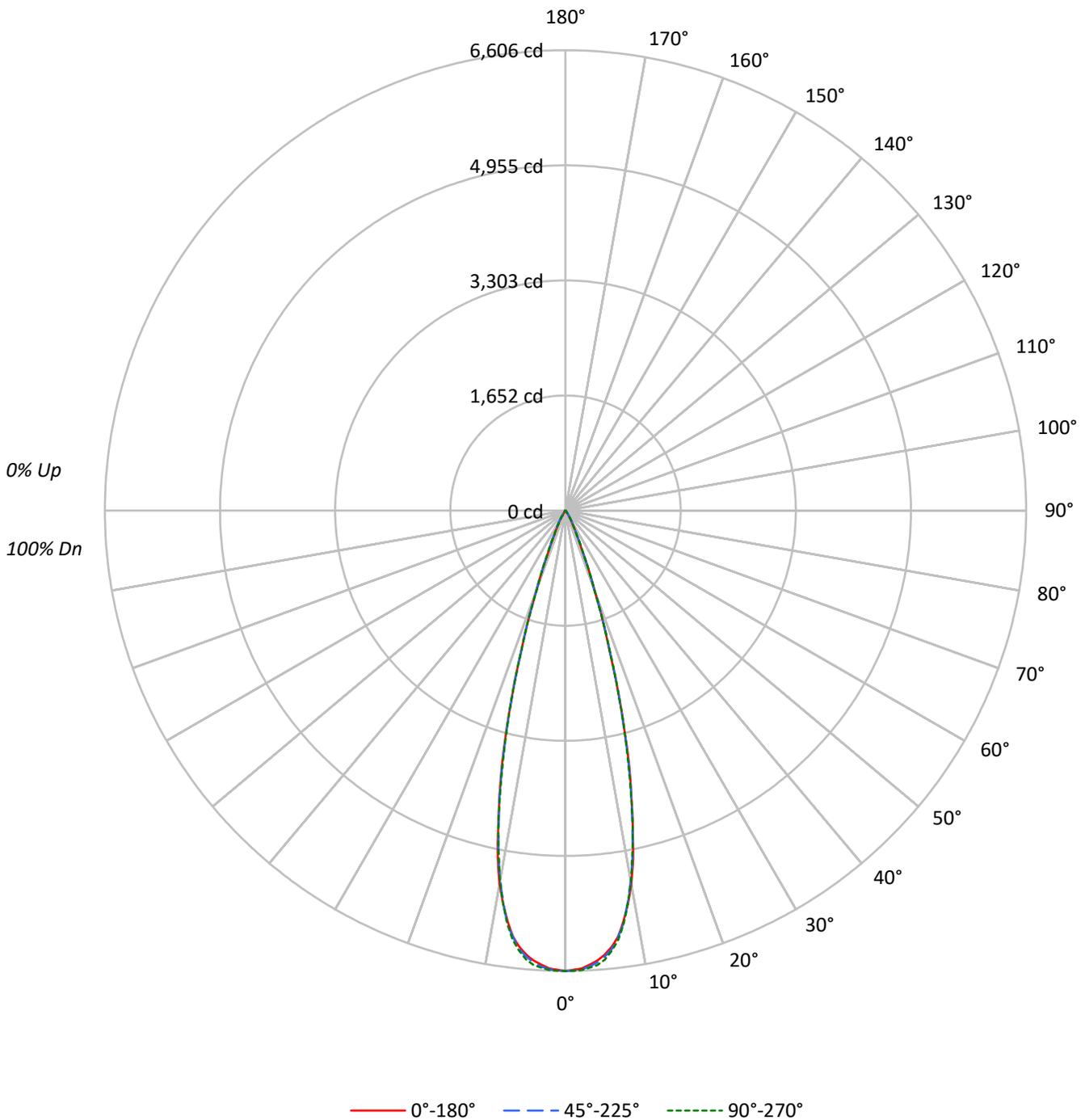
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1718.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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

TEST NUMBER: P1310521
CATALOG NUMBER: LDSQA3D17R309035DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310521

CATALOG NUMBER: LDSQA3D17R309035DE010 3LSQCDR1MW

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1137651	1137651	1137651
5°	1106487	1111293	1118157
10°	951467	943352	944279
15°	584639	579914	580378
20°	222496	222991	218868
25°	70766	74547	71032
30°	28458	35319	29253
35°	9188	15600	9188
40°	4182	6857	4182
45°	1607	2898	1607
50°	723	1420	723
55°	811	811	811
60°	930	930	930
65°	530	530	530
70°	655	655	655
75°	865	865	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2898 cd/sqm



TEST NUMBER: P1310521

CATALOG NUMBER: LDSQA3D17R309035DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.7	33.9
10°-20°	864.4	50.3
20°-30°	214.8	12.5
30°-40°	42.9	2.5
40°-50°	7.8	0.5
50°-60°	2.5	0.1
60°-70°	1.8	0.1
70°-80°	1.2	0.1
80°-90°	0.0	0.0
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°	1661.8	96.7
0°-40°	1704.7	99.2
0°-60°	1715.0	99.8
0°-90°	1718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1718.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6606	6606	6606	6606	6606	
5°	6400	6422	6428	6437	6468	582
15°	3279	3286	3252	3263	3255	868
25°	372	380	392	387	374	209
35°	44	57	74	56	44	35
45°	7	8	12	9	7	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1310521

CATALOG NUMBER: LDSQA3D17R309035DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6605.7	6605.7	6605.7	6605.7	6605.7
1°	6591.1	6599.1	6604.4	6604.4	6604.4
2°	6572.6	6577.9	6585.8	6587.1	6597.7
3°	6528.8	6540.7	6554.0	6561.9	6567.3
4°	6475.8	6491.7	6499.7	6519.5	6536.8
5°	6400.3	6421.5	6428.1	6437.4	6467.8
6°	6298.2	6314.1	6327.4	6331.3	6349.9
7°	6163.0	6171.0	6168.3	6174.9	6208.1
8°	5957.6	5960.2	5982.8	5968.2	5990.7
9°	5713.7	5703.1	5697.8	5708.4	5709.7
10°	5440.7	5404.9	5394.3	5385.0	5399.6
11°	5086.8	5040.4	5044.4	5041.7	5020.5
12°	4646.8	4641.5	4607.0	4613.6	4645.5
13°	4197.5	4206.8	4200.1	4208.1	4172.3
14°	3776.0	3730.9	3742.9	3697.8	3715.0
15°	3279.0	3285.6	3252.5	3263.1	3255.1
17.5°	2099.4	2114.0	2103.4	2094.1	2108.7
20°	1214.0	1212.7	1216.7	1204.8	1194.2
22.5°	638.8	648.1	660.0	661.4	669.3
25°	372.4	380.4	392.3	387.0	373.8
27.5°	228.0	242.5	261.1	247.8	231.9
30°	143.1	155.1	177.6	156.4	147.1
32.5°	80.8	98.1	116.6	98.1	80.8
35°	43.7	57.0	74.2	55.7	43.7
37.5°	29.2	33.1	49.0	33.1	29.2
40°	18.6	22.5	30.5	22.5	18.6
42.5°	10.6	14.6	17.2	14.6	10.6
45°	6.6	8.0	11.9	9.3	6.6
47.5°	2.7	4.0	8.0	4.0	4.0
50°	2.7	2.7	5.3	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1310521
CATALOG NUMBER: LDSQA3D17R309035DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)