

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: P1310524

Luminaire Tested: LDSQA3D17R309035DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309035DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

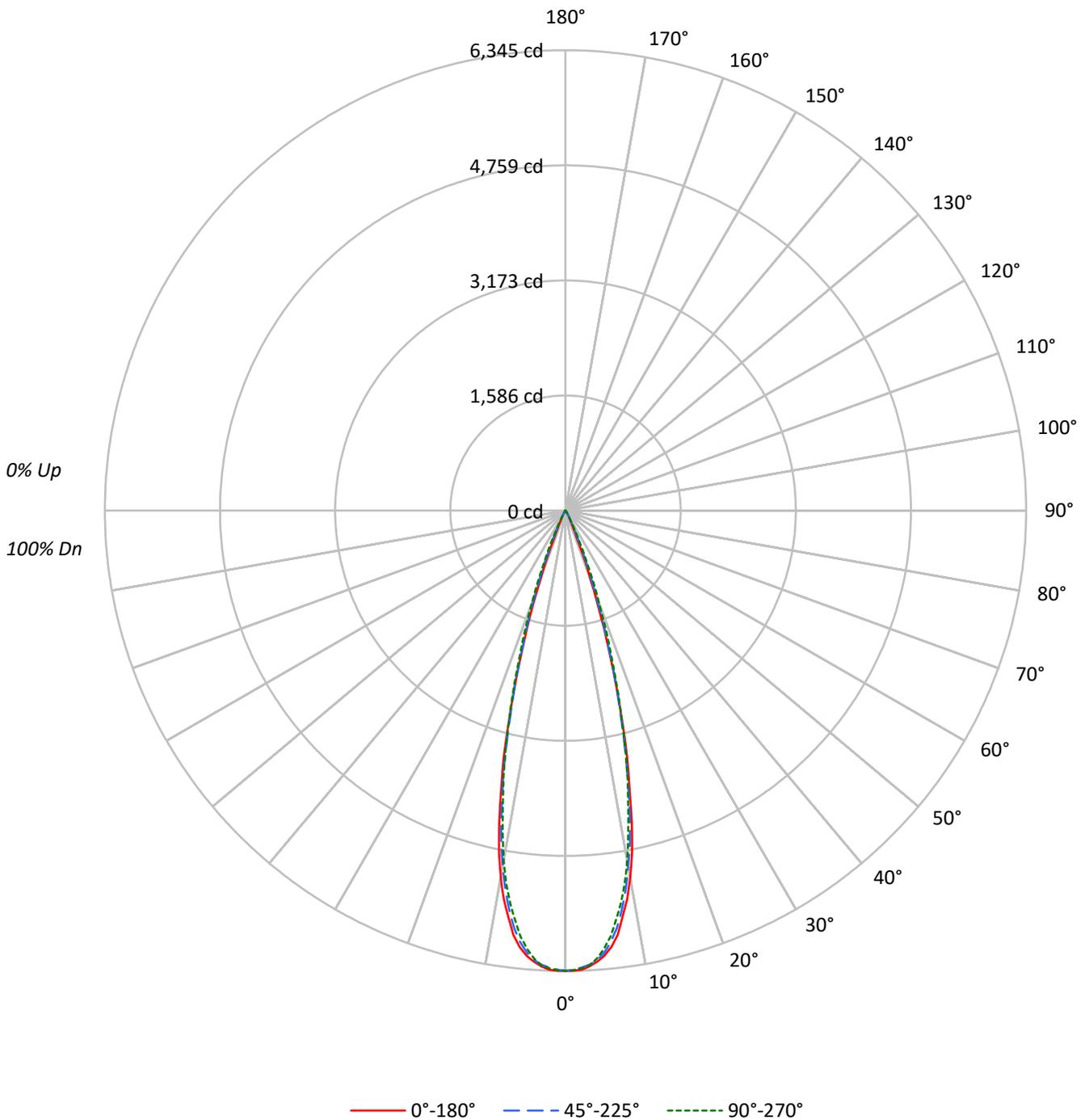
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1537.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 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

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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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1092460	1092460	1092460
5°	1064322	1056991	1048296
10°	898198	870620	856490
15°	541277	526157	535839
20°	183605	212013	244563
25°	33749	52884	62443
30°	11594	12906	14497
35°	3343	4184	4457
40°	899	1484	1192
45°	317	317	317
50°	348	0	348
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 52.5°
 Luminance: 368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.5	35.7
10°-20°	801.6	52.2
20°-30°	169.6	11.0
30°-40°	15.6	1.0
40°-50°	1.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1519.8	98.9
0°-40°	1535.4	99.9
0°-60°	1537.0	100.0
0°-90°	1537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6343	6343	6343	6343	6343	
5°	6156	6144	6114	6096	6064	556
15°	3036	3025	2951	3020	3005	801
25°	178	199	278	327	329	129
35°	16	20	20	24	21	13
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6343.3	6343.3	6343.3	6343.3	6343.3
1°	6344.6	6338.0	6328.7	6341.9	6332.7
2°	6331.3	6315.4	6302.2	6315.4	6311.5
3°	6291.6	6278.3	6269.1	6275.7	6275.7
4°	6232.0	6217.4	6209.4	6210.8	6190.9
5°	6156.4	6144.5	6114.0	6095.5	6063.7
6°	6045.1	6016.0	5978.9	5948.4	5907.3
7°	5894.1	5849.0	5796.0	5743.0	5691.3
8°	5651.6	5630.4	5558.8	5523.0	5471.3
9°	5423.6	5372.0	5295.1	5236.8	5209.0
10°	5136.1	5059.2	4978.4	4932.0	4897.6
11°	4795.5	4717.4	4652.4	4584.9	4531.8
12°	4395.4	4329.1	4254.9	4209.8	4147.6
13°	3921.0	3911.7	3828.2	3813.6	3805.7
14°	3514.2	3477.1	3394.9	3417.4	3422.7
15°	3035.8	3025.2	2951.0	3019.9	3005.3
17.5°	1901.5	1905.5	1951.9	2060.5	2095.0
20°	1001.8	1032.3	1156.8	1288.0	1334.4
22.5°	405.5	473.1	600.3	689.1	748.7
25°	177.6	198.8	278.3	327.3	328.6
27.5°	100.7	102.0	133.8	139.1	141.8
30°	58.3	59.6	64.9	68.9	72.9
32.5°	31.8	34.5	35.8	41.1	41.1
35°	15.9	19.9	19.9	23.9	21.2
37.5°	9.3	10.6	11.9	11.9	10.6
40°	4.0	5.3	6.6	6.6	5.3
42.5°	1.3	2.7	2.7	2.7	4.0
45°	1.3	1.3	1.3	1.3	1.3
47.5°	1.3	1.3	0.0	1.3	1.3
50°	1.3	0.0	0.0	0.0	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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



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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)