

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: P1311655

Luminaire Tested: LDSQA3D17R359040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

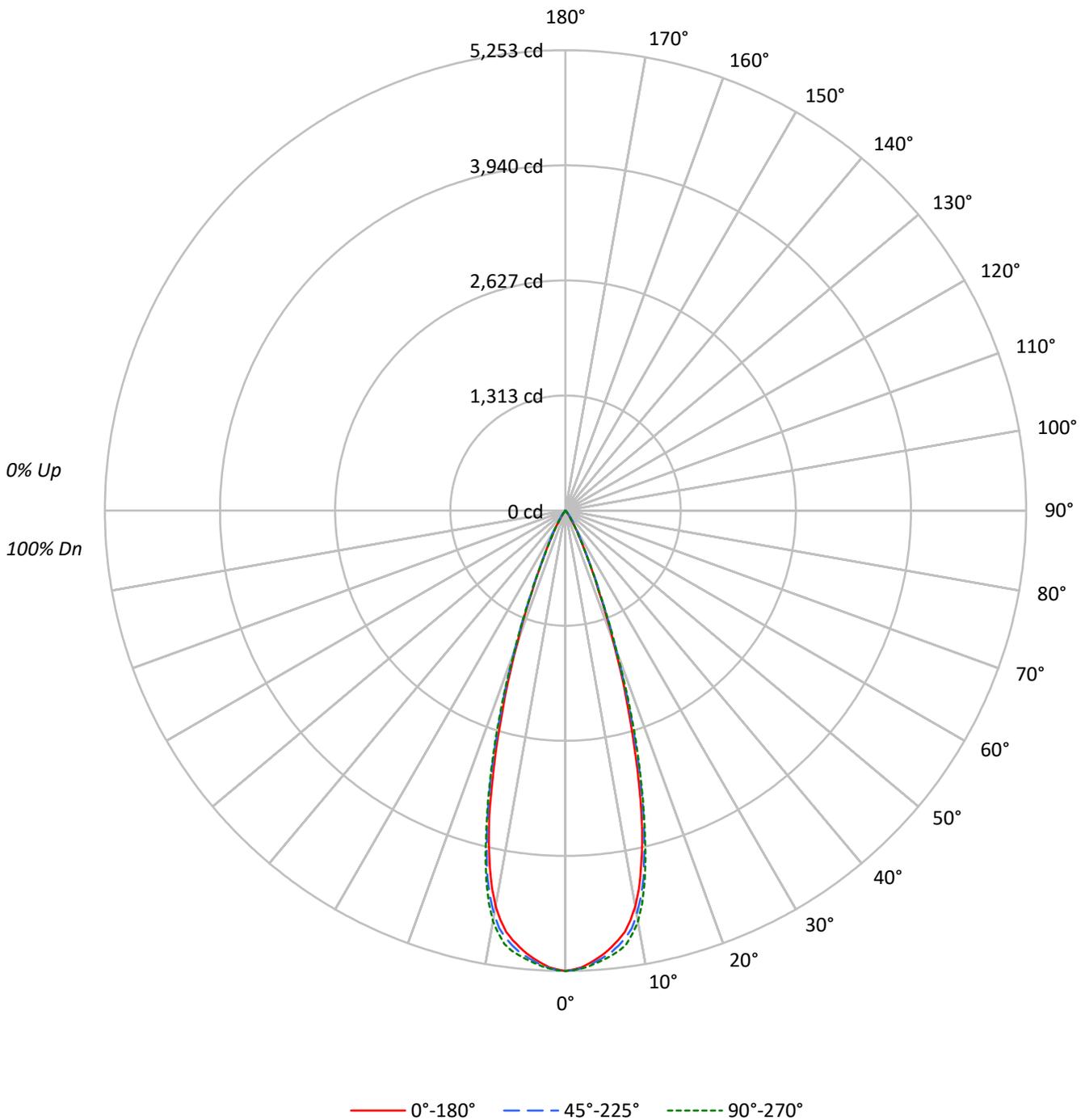
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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 (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





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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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	904686	904686	904686
5°	877248	883471	888260
10°	801630	818593	832636
15°	576491	601684	606623
20°	293497	308214	308984
25°	111356	113712	110558
30°	43253	50134	42140
35°	14843	23295	13981
40°	4991	9038	4676
45°	341	3044	341
50°	0	375	0
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: 45°
 Vertical Angle: 45°
 Luminance: 3044 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	475.5	27.2
10°-20°	885.9	50.7
20°-30°	318.4	18.2
30°-40°	62.2	3.6
40°-50°	6.9	0.4
50°-60°	0.0	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°	1679.9	96.0
0°-40°	1742.0	99.6
0°-60°	1749.0	100.0
0°-90°	1749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5253	5253	5253	5253	5253	
5°	5074	5088	5110	5134	5138	470
15°	3233	3287	3375	3398	3402	859
25°	586	592	598	594	582	307
35°	71	80	111	82	66	53
45°	1	4	12	4	1	4
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°	5253.0	5253.0	5253.0	5253.0	5253.0
1°	5237.8	5244.7	5246.1	5255.8	5244.7
2°	5215.6	5219.8	5225.3	5233.6	5228.1
3°	5172.7	5181.0	5193.4	5204.5	5204.5
4°	5126.9	5138.0	5153.3	5172.7	5171.3
5°	5074.3	5088.2	5110.3	5133.9	5138.0
6°	5007.8	5024.4	5060.4	5093.7	5099.2
7°	4937.2	4962.1	4996.7	5045.2	5057.7
8°	4854.0	4873.4	4923.3	4980.1	4994.0
9°	4732.1	4761.2	4824.9	4877.6	4885.9
10°	4583.9	4604.7	4680.9	4736.3	4761.2
11°	4392.7	4423.2	4498.0	4554.8	4571.4
12°	4148.9	4193.3	4280.5	4322.1	4335.9
13°	3885.7	3923.1	3991.0	4042.3	4053.3
14°	3589.3	3625.3	3695.9	3737.5	3727.8
15°	3233.3	3287.3	3374.6	3398.1	3402.3
17.5°	2388.2	2422.9	2500.4	2537.8	2564.2
20°	1601.4	1634.6	1681.7	1706.7	1685.9
22.5°	973.9	1001.6	1026.5	1025.1	1018.2
25°	586.0	591.5	598.4	594.3	581.8
27.5°	342.2	357.4	378.2	364.3	343.6
30°	217.5	230.0	252.1	228.6	211.9
32.5°	115.0	145.5	169.0	137.1	120.5
35°	70.6	80.3	110.8	81.7	66.5
37.5°	42.9	49.9	69.3	48.5	38.8
40°	22.2	31.9	40.2	29.1	20.8
42.5°	6.9	15.2	22.2	13.9	6.9
45°	1.4	4.2	12.5	4.2	1.4
47.5°	0.0	0.0	5.5	1.4	0.0
50°	0.0	0.0	1.4	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)