

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: P1312735

Luminaire Tested: LDSQA3D17R359050DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359050DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

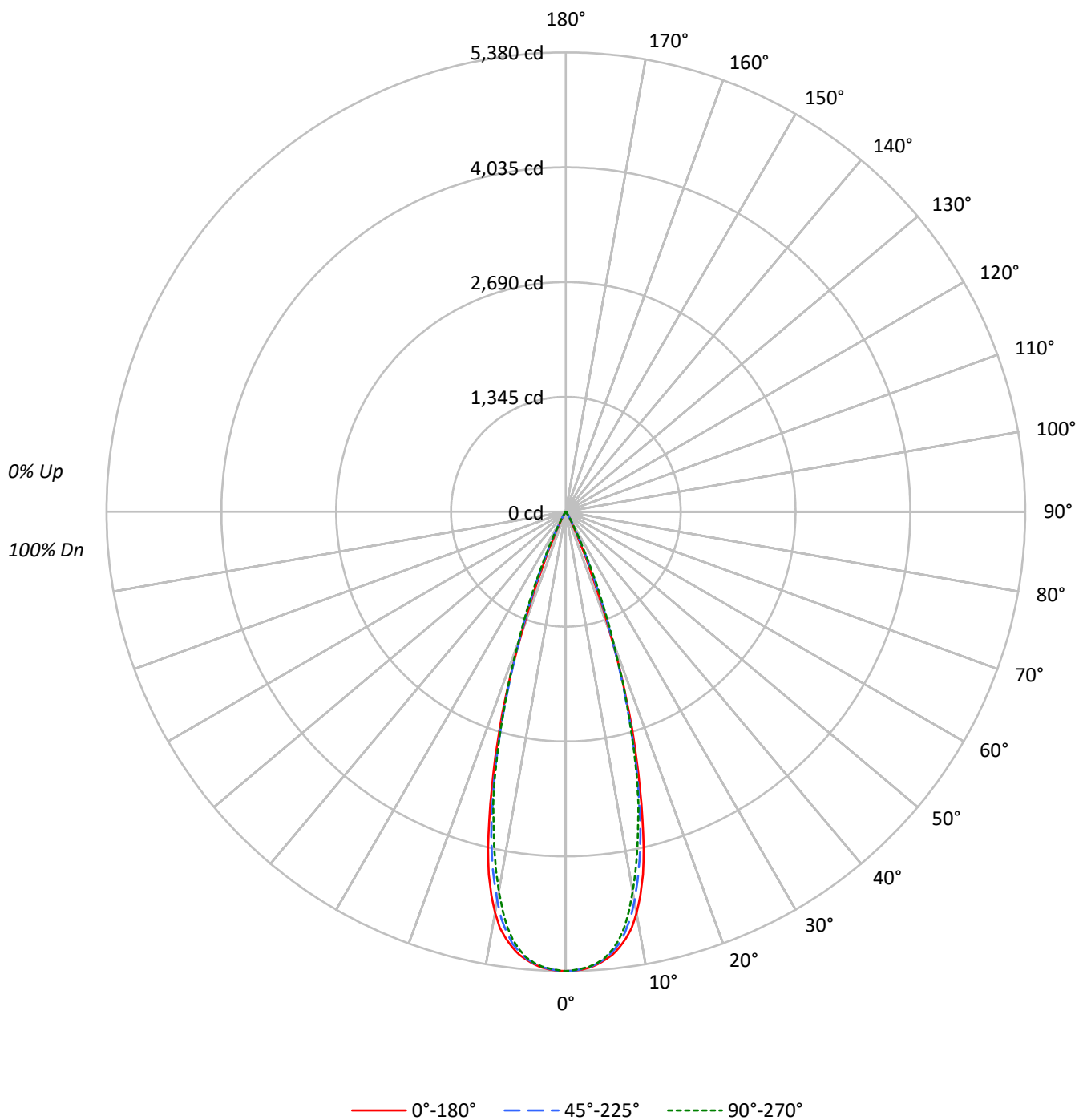
Lumens per Lamp: N/A
Luminaire Lumens: 1633.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	86	85
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	82
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	78	77
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	75	74
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	926592	926592	926592
5°	910665	908729	906776
10°	834612	809534	789843
15°	597637	578577	571552
20°	277131	286661	296723
25°	65749	93550	97560
30°	19310	22094	24898
35°	4436	7106	6497
40°	944	1888	1259
45°	341	341	341
50°	375	0	375
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: 396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.0	29.6
10°-20°	863.5	52.9
20°-30°	259.8	15.9
30°-40°	24.9	1.5
40°-50°	1.7	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°	1606.3	98.4
0°-40°	1631.2	99.9
0°-60°	1633.0	100.0
0°-90°	1633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5380	5380	5380	5380	5380	
5°	5268	5266	5256	5249	5245	488
15°	3352	3327	3245	3231	3206	885
25°	346	381	492	513	513	223
35°	21	28	34	37	31	19
45°	1	1	1	1	1	2
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5380.2	5380.2	5380.2	5380.2	5380.2
1°	5377.4	5377.4	5374.5	5374.5	5368.9
2°	5364.7	5366.1	5360.5	5359.1	5354.9
3°	5345.0	5340.8	5340.8	5338.0	5335.2
4°	5314.1	5305.6	5302.8	5304.2	5298.6
5°	5267.6	5266.2	5256.4	5249.4	5245.1
6°	5217.0	5207.2	5186.1	5167.8	5163.6
7°	5141.1	5120.0	5101.7	5063.7	5058.1
8°	5048.2	5014.5	4975.1	4921.6	4918.8
9°	4934.3	4879.4	4824.6	4752.8	4727.5
10°	4772.5	4721.9	4629.1	4565.8	4516.5
11°	4571.4	4508.1	4399.8	4323.8	4283.0
12°	4343.5	4284.4	4157.9	4088.9	4031.3
13°	4051.0	4001.7	3883.6	3807.6	3762.6
14°	3712.0	3675.4	3562.9	3529.1	3513.6
15°	3351.9	3326.6	3245.0	3230.9	3205.6
17.5°	2467.1	2424.9	2378.5	2387.0	2395.4
20°	1512.1	1571.2	1564.1	1595.1	1619.0
22.5°	753.9	829.9	918.5	971.9	998.7
25°	346.0	381.2	492.3	513.4	513.4
27.5°	174.4	182.9	232.1	236.3	247.6
30°	97.1	104.1	111.1	123.8	125.2
32.5°	49.2	57.7	60.5	67.5	64.7
35°	21.1	28.1	33.8	36.6	30.9
37.5°	9.8	12.7	18.3	16.9	12.7
40°	4.2	5.6	8.4	7.0	5.6
42.5°	2.8	2.8	4.2	2.8	2.8
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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)