

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: P1320254

Luminaire Tested: LDSQA3D17R309840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320254
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: LDSQA3D17R309840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

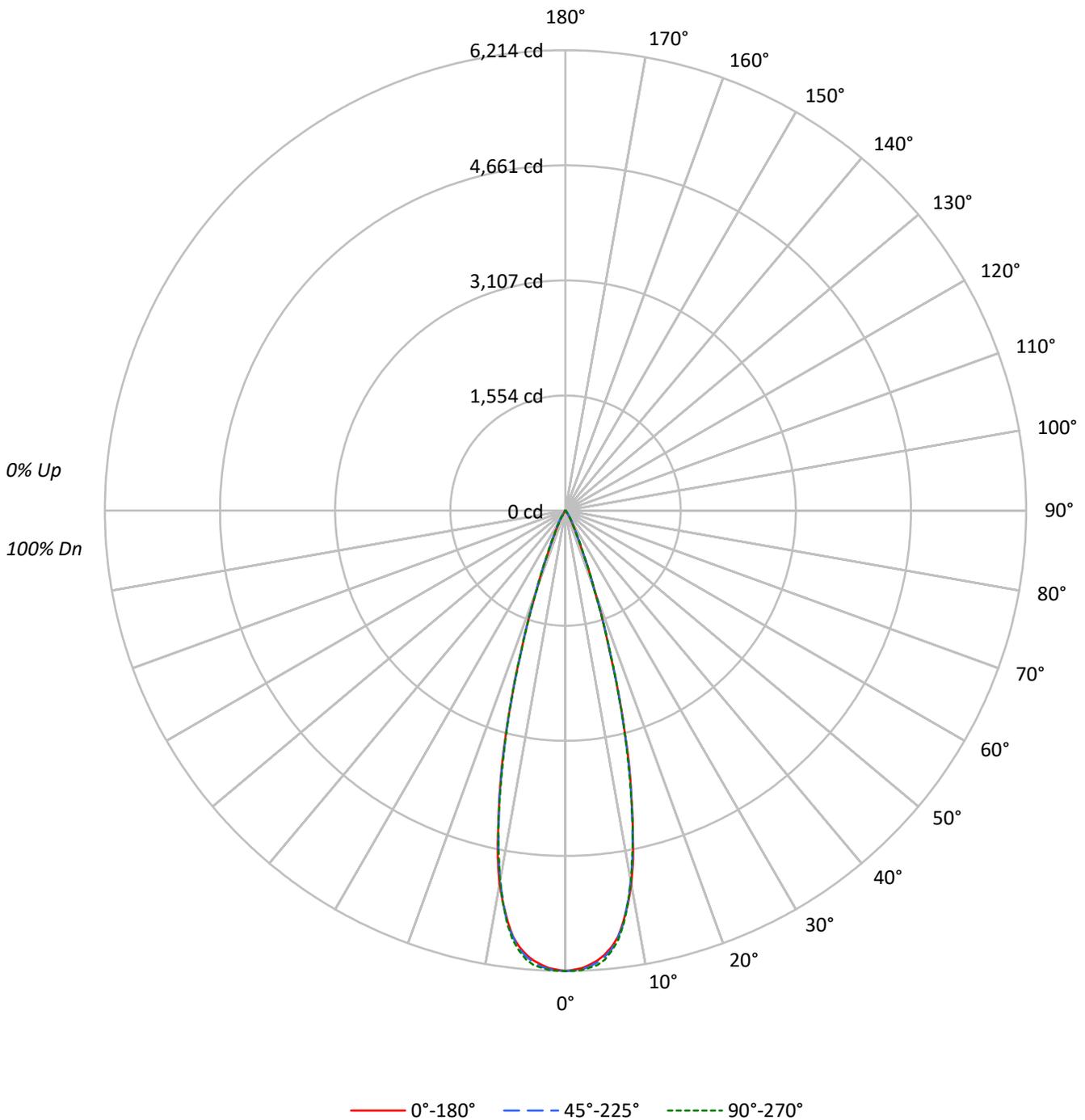
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1615.9 lumens
Efficiency: N/A
Efficacy: 79.2 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): 20.4
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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1070105	1070105	1070105
5°	1040792	1045305	1051770
10°	894981	887338	888213
15°	549925	545485	545931
20°	209301	209759	205873
25°	66566	70120	66813
30°	26767	33230	27523
35°	8641	14675	8641
40°	3934	6452	3934
45°	1510	2728	1510
50°	670	1340	670
55°	751	751	751
60°	861	861	861
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.1	33.9
10°-20°	813.1	50.3
20°-30°	202.0	12.5
30°-40°	40.3	2.5
40°-50°	7.3	0.5
50°-60°	2.3	0.1
60°-70°	1.7	0.1
70°-80°	1.1	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°	1563.2	96.7
0°-40°	1603.5	99.2
0°-60°	1613.2	99.8
0°-90°	1615.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6214	6214	6214	6214	6214	
5°	6020	6040	6046	6055	6084	547
15°	3084	3090	3059	3069	3062	816
25°	350	358	369	364	352	196
35°	41	54	70	52	41	33
45°	6	8	11	9	6	5
55°	2	2	2	2	2	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6213.5	6213.5	6213.5	6213.5	6213.5
1°	6199.8	6207.3	6212.3	6212.3	6212.3
2°	6182.3	6187.3	6194.8	6196.0	6206.0
3°	6141.2	6152.4	6164.9	6172.4	6177.3
4°	6091.3	6106.3	6113.8	6132.5	6148.7
5°	6020.3	6040.2	6046.4	6055.2	6083.8
6°	5924.3	5939.2	5951.7	5955.4	5972.9
7°	5797.1	5804.6	5802.1	5808.3	5839.5
8°	5603.9	5606.4	5627.6	5613.8	5635.0
9°	5374.5	5364.5	5359.5	5369.5	5370.7
10°	5117.7	5084.0	5074.0	5065.3	5079.0
11°	4784.8	4741.2	4744.9	4742.4	4722.5
12°	4370.9	4365.9	4333.5	4339.7	4369.6
13°	3948.3	3957.0	3950.8	3958.2	3924.6
14°	3551.8	3509.4	3520.6	3478.3	3494.5
15°	3084.3	3090.5	3059.4	3069.3	3061.9
17.5°	1974.8	1988.5	1978.5	1969.8	1983.5
20°	1142.0	1140.7	1144.5	1133.2	1123.3
22.5°	600.9	609.6	620.9	622.1	629.6
25°	350.3	357.8	369.0	364.0	351.6
27.5°	214.4	228.1	245.6	233.1	218.2
30°	134.6	145.9	167.1	147.1	138.4
32.5°	76.0	92.3	109.7	92.3	76.0
35°	41.1	53.6	69.8	52.4	41.1
37.5°	27.4	31.2	46.1	31.2	27.4
40°	17.5	21.2	28.7	21.2	17.5
42.5°	10.0	13.7	16.2	13.7	10.0
45°	6.2	7.5	11.2	8.7	6.2
47.5°	2.5	3.7	7.5	3.7	3.7
50°	2.5	2.5	5.0	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
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)