

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: P1319378

Luminaire Tested: LDSQA3D17R309835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319378
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: LDSQA3D17R309835DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

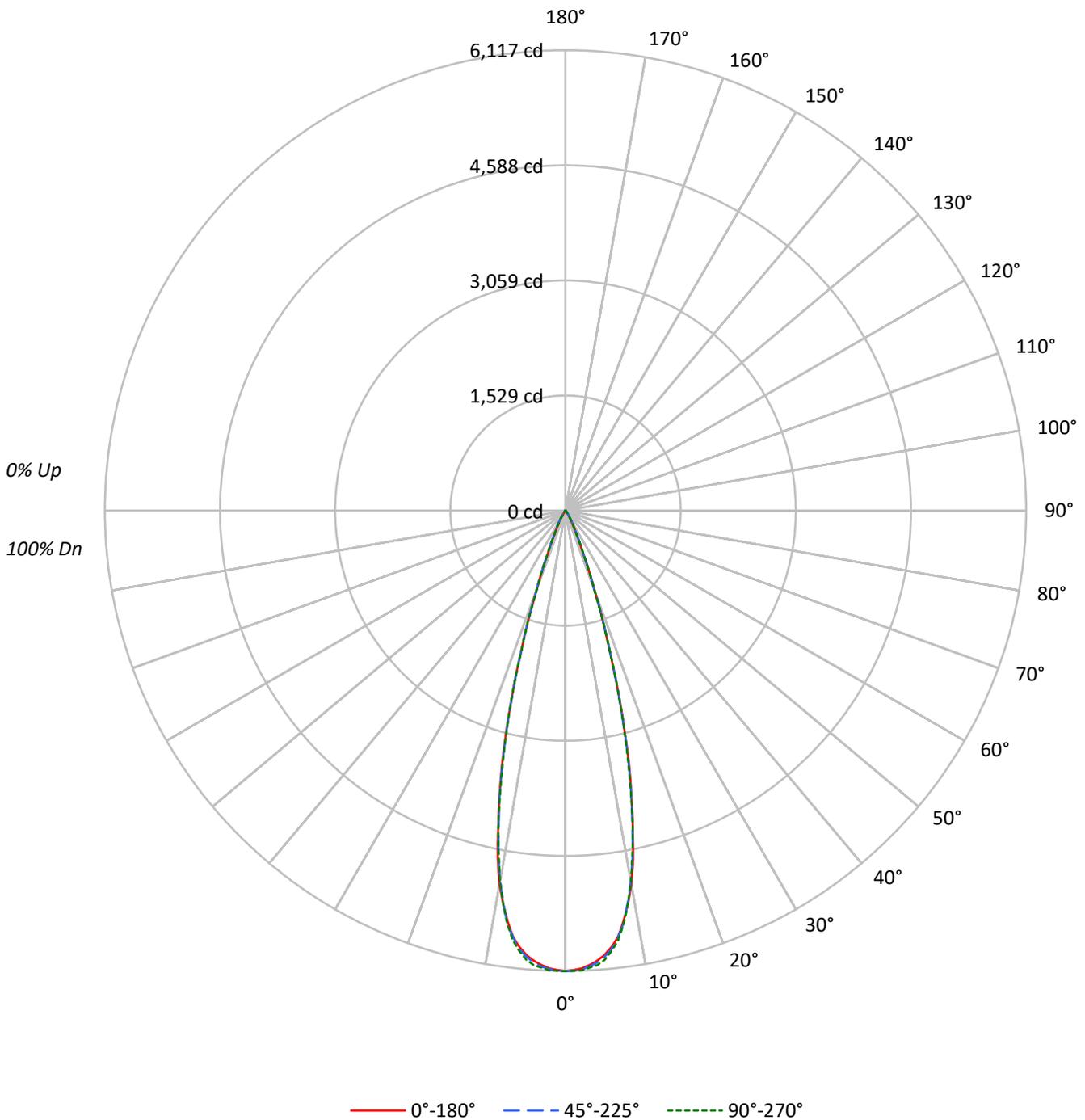
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.0 lumens
Efficiency: N/A
Efficacy: 78.0 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): 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

TEST NUMBER: P1319378
CATALOG NUMBER: LDSQA3D17R309835DE010 3LSQCDR1MW

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	93	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°	1053555	1053555	1053555
5°	1024680	1029140	1035502
10°	881130	873610	874467
15°	541420	537034	537479
20°	206057	206515	202684
25°	65540	69037	65768
30°	26370	32713	27085
35°	8515	14444	8515
40°	3867	6340	3867
45°	1486	2679	1486
50°	670	1313	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: 2679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.6	33.9
10°-20°	800.5	50.3
20°-30°	198.9	12.5
30°-40°	39.7	2.5
40°-50°	7.2	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°	1539.0	96.7
0°-40°	1578.7	99.2
0°-60°	1588.3	99.8
0°-90°	1591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6117	6117	6117	6117	6117	
5°	5927	5947	5953	5962	5990	539
15°	3037	3043	3012	3022	3014	804
25°	345	352	363	358	346	193
35°	40	53	69	52	40	33
45°	6	7	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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 CATALOG NUMBER: LDSQA3D17R309835DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6117.4	6117.4	6117.4	6117.4	6117.4
1°	6103.9	6111.2	6116.1	6116.1	6116.1
2°	6086.7	6091.6	6099.0	6100.2	6110.0
3°	6046.2	6057.2	6069.5	6076.9	6081.8
4°	5997.1	6011.8	6019.2	6037.6	6053.5
5°	5927.1	5946.8	5952.9	5961.5	5989.7
6°	5832.6	5847.3	5859.6	5863.3	5880.5
7°	5707.4	5714.8	5712.3	5718.5	5749.2
8°	5517.2	5519.6	5540.5	5527.0	5547.9
9°	5291.3	5281.5	5276.6	5286.4	5287.6
10°	5038.5	5005.3	4995.5	4986.9	5000.4
11°	4710.8	4667.8	4671.5	4669.0	4649.4
12°	4303.3	4298.4	4266.5	4272.6	4302.0
13°	3887.2	3895.8	3889.6	3897.0	3863.9
14°	3496.9	3455.1	3466.2	3424.5	3440.4
15°	3036.6	3042.7	3012.0	3021.9	3014.5
17.5°	1944.2	1957.7	1947.9	1939.3	1952.8
20°	1124.3	1123.1	1126.8	1115.7	1105.9
22.5°	591.6	600.2	611.2	612.5	619.8
25°	344.9	352.3	363.3	358.4	346.1
27.5°	211.1	224.6	241.8	229.5	214.8
30°	132.6	143.6	164.5	144.8	136.2
32.5°	74.9	90.8	108.0	90.8	74.9
35°	40.5	52.8	68.7	51.6	40.5
37.5°	27.0	30.7	45.4	30.7	27.0
40°	17.2	20.9	28.2	20.9	17.2
42.5°	9.8	13.5	16.0	13.5	9.8
45°	6.1	7.4	11.0	8.6	6.1
47.5°	2.5	3.7	7.4	3.7	3.7
50°	2.5	2.5	4.9	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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CATALOG NUMBER: LDSQA3D17R309835DE010 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)