

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: P1315767

Luminaire Tested: LDSQA3D17R309735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315767
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: LDSQA3D17R309735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

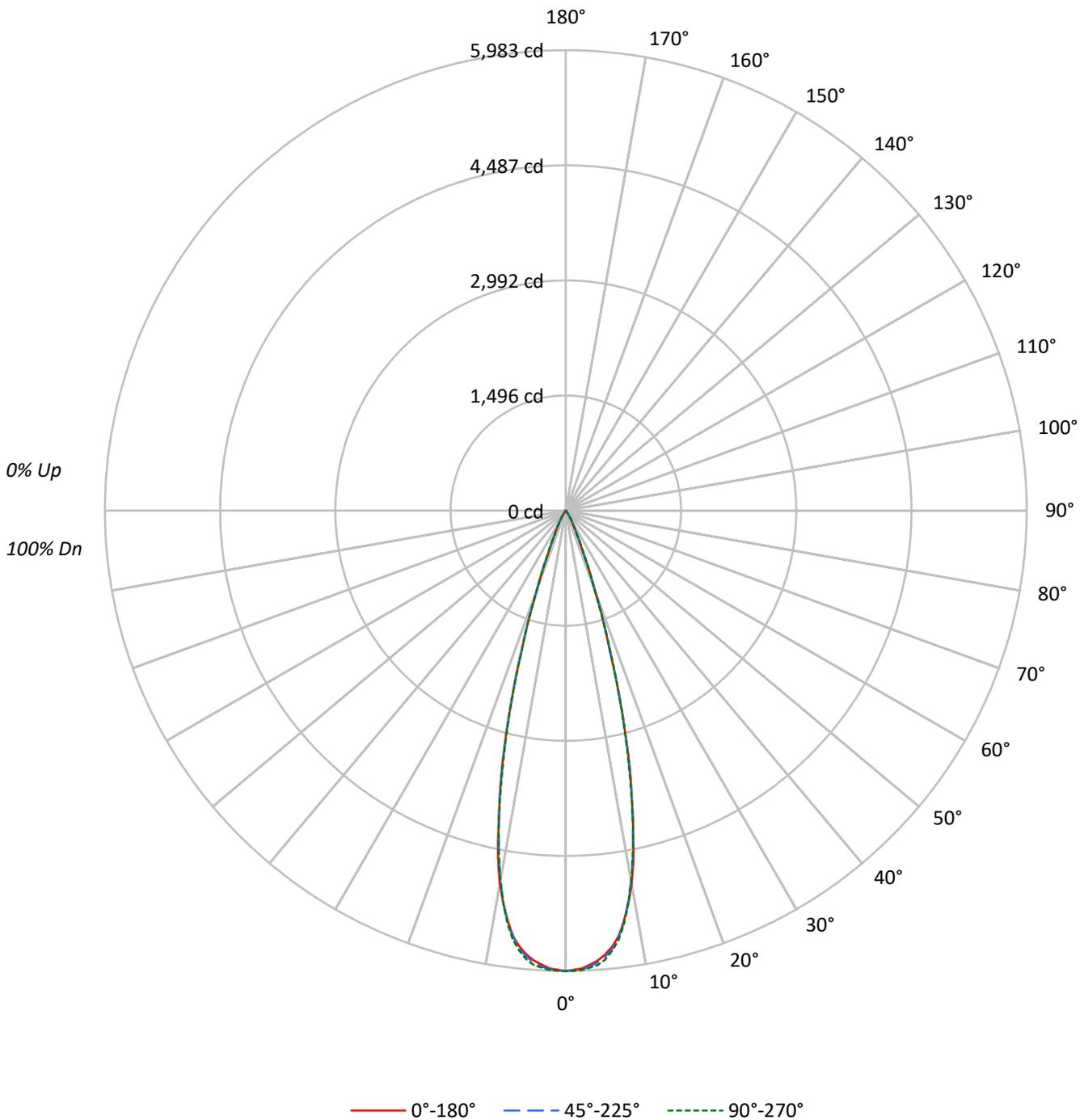
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1556.0 lumens
Efficiency: N/A
Efficacy: 73.4 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): 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

TEST NUMBER: P1315767
CATALOG NUMBER: LDSQA3D17R309735DE010 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	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°	1030374	1030374	1030374
5°	1002136	1006493	1012734
10°	861736	854391	855230
15°	529509	525230	525658
20°	201530	201970	198231
25°	64096	67516	64324
30°	25773	31997	26489
35°	8326	14128	8326
40°	3777	6205	3777
45°	1461	2630	1461
50°	643	1286	643
55°	721	721	721
60°	827	827	827
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: 2630 cd/sqm



TEST NUMBER: P1315767

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.7	33.9
10°-20°	782.9	50.3
20°-30°	194.5	12.5
30°-40°	38.8	2.5
40°-50°	7.1	0.5
50°-60°	2.2	0.1
60°-70°	1.6	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°	1505.1	96.7
0°-40°	1544.0	99.2
0°-60°	1553.2	99.8
0°-90°	1556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5983	5983	5983	5983	5983	
5°	5797	5816	5822	5830	5858	527
15°	2970	2976	2946	2955	2948	786
25°	337	344	355	350	338	189
35°	40	52	67	50	40	32
45°	6	7	11	8	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°	5982.8	5982.8	5982.8	5982.8	5982.8
1°	5969.6	5976.8	5981.6	5981.6	5981.6
2°	5952.8	5957.6	5964.8	5966.0	5975.6
3°	5913.2	5924.0	5936.0	5943.2	5948.0
4°	5865.2	5879.6	5886.8	5904.8	5920.4
5°	5796.7	5815.9	5821.9	5830.3	5858.0
6°	5704.3	5718.7	5730.7	5734.3	5751.1
7°	5581.9	5589.1	5586.7	5592.7	5622.7
8°	5395.8	5398.2	5418.6	5405.4	5425.8
9°	5174.9	5165.3	5160.5	5170.1	5171.3
10°	4927.6	4895.2	4885.6	4877.2	4890.4
11°	4607.1	4565.1	4568.7	4566.3	4547.1
12°	4208.6	4203.8	4172.6	4178.6	4207.4
13°	3801.7	3810.1	3804.1	3811.3	3778.9
14°	3419.9	3379.1	3389.9	3349.1	3364.7
15°	2969.8	2975.8	2945.8	2955.4	2948.2
17.5°	1901.4	1914.6	1905.0	1896.6	1909.8
20°	1099.6	1098.4	1102.0	1091.2	1081.6
22.5°	578.6	587.0	597.8	599.0	606.2
25°	337.3	344.5	355.3	350.5	338.5
27.5°	206.5	219.7	236.5	224.5	210.1
30°	129.6	140.4	160.9	141.6	133.2
32.5°	73.2	88.8	105.6	88.8	73.2
35°	39.6	51.6	67.2	50.4	39.6
37.5°	26.4	30.0	44.4	30.0	26.4
40°	16.8	20.4	27.6	20.4	16.8
42.5°	9.6	13.2	15.6	13.2	9.6
45°	6.0	7.2	10.8	8.4	6.0
47.5°	2.4	3.6	7.2	3.6	3.6
50°	2.4	2.4	4.8	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
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



TEST NUMBER: P1315767
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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)