

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: P1315766

Luminaire Tested: LDSQA3D17R309735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

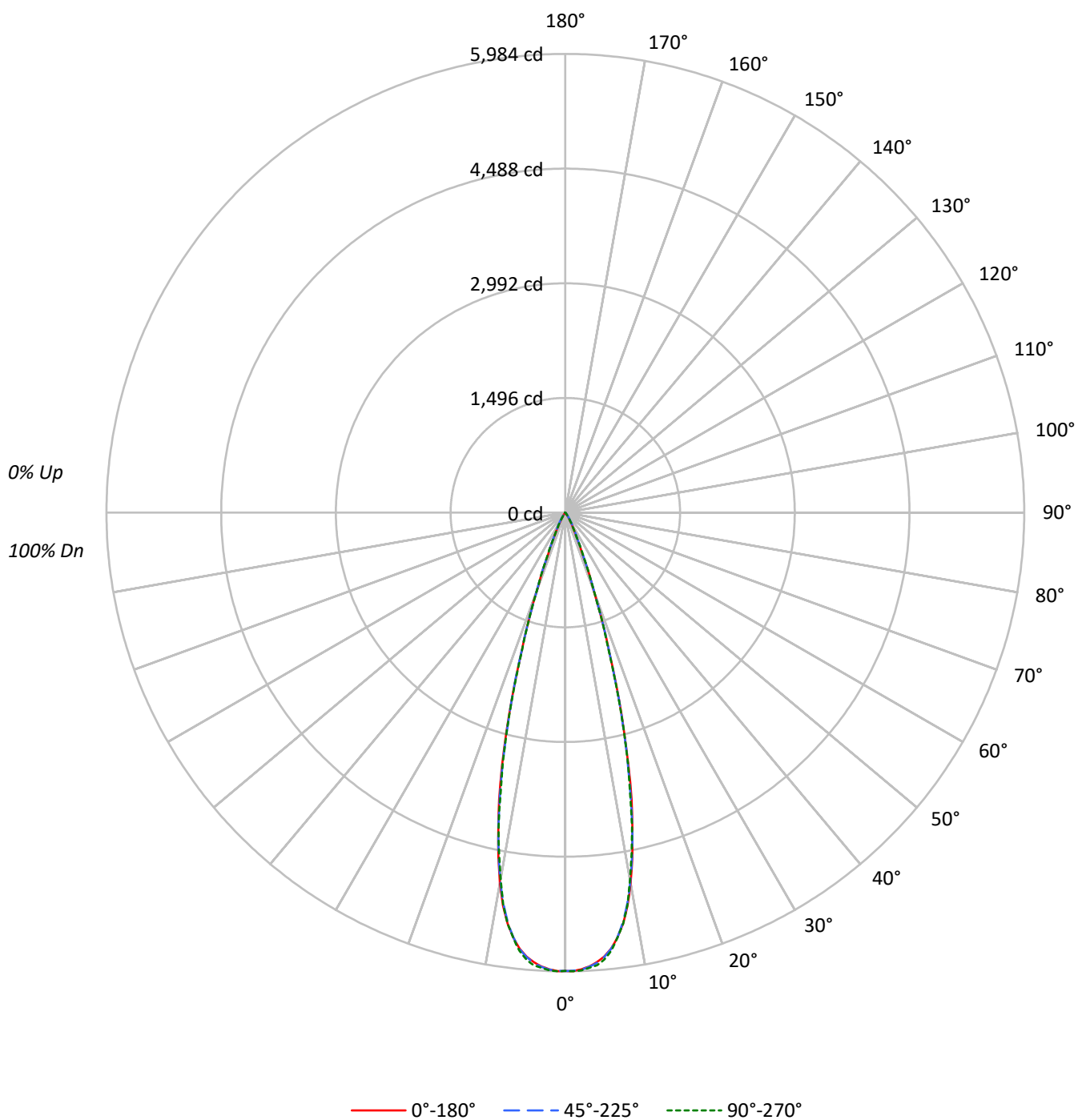
Lumens per Lamp: N/A
Luminaire Lumens: 1543.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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
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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1029874	1029874	1029874
5°	1004747	1005992	1011593
10°	858133	854146	849110
15°	529563	523358	525284
20°	200137	201237	201017
25°	61569	67497	64305
30°	24818	31500	25773
35°	7317	13372	7569
40°	2968	5396	2968
45°	585	1754	585
50°	0	322	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: 1754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.4	34.2
10°-20°	780.9	50.6
20°-30°	193.7	12.6
30°-40°	36.4	2.4
40°-50°	4.6	0.3
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°	1502.0	97.3
0°-40°	1538.4	99.7
0°-60°	1543.0	100.0
0°-90°	1543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5980	5980	5980	5980	5980	
5°	5812	5809	5819	5829	5851	528
15°	2970	2941	2935	2958	2946	785
25°	324	346	355	354	338	187
35°	35	46	64	47	36	29
45°	2	4	7	5	2	3
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°	5979.9	5979.9	5979.9	5979.9	5979.9
1°	5982.3	5977.4	5977.4	5970.2	5983.5
2°	5960.6	5955.8	5964.2	5958.2	5975.0
3°	5928.2	5922.2	5934.2	5937.8	5946.2
4°	5880.2	5875.4	5888.6	5895.8	5918.6
5°	5811.8	5809.4	5819.0	5828.6	5851.4
6°	5718.2	5714.6	5720.6	5732.6	5747.0
7°	5582.6	5575.4	5580.2	5582.6	5586.2
8°	5411.0	5400.2	5394.2	5407.4	5414.6
9°	5190.2	5178.2	5165.0	5160.2	5177.0
10°	4907.0	4889.0	4884.2	4872.2	4855.4
11°	4578.2	4563.8	4560.2	4538.6	4529.0
12°	4201.4	4194.2	4202.6	4189.4	4184.6
13°	3840.2	3794.6	3788.6	3763.4	3750.2
14°	3412.9	3370.9	3369.7	3356.5	3374.5
15°	2970.1	2941.3	2935.3	2958.1	2946.1
17.5°	1893.7	1912.9	1908.1	1896.1	1875.7
20°	1092.0	1078.8	1098.0	1102.8	1096.8
22.5°	582.0	586.8	590.4	604.8	614.4
25°	324.0	345.6	355.2	354.0	338.4
27.5°	201.6	214.8	232.8	220.8	207.6
30°	124.8	135.6	158.4	136.8	129.6
32.5°	67.2	85.2	102.0	85.2	69.6
35°	34.8	45.6	63.6	46.8	36.0
37.5°	22.8	26.4	40.8	26.4	22.8
40°	13.2	16.8	24.0	16.8	13.2
42.5°	6.0	9.6	13.2	9.6	6.0
45°	2.4	3.6	7.2	4.8	2.4
47.5°	0.0	1.2	3.6	1.2	0.0
50°	0.0	0.0	1.2	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)