

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: P1308284

Luminaire Tested: LDSQA3D17R309027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308284
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: LDSQA3D17R309027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

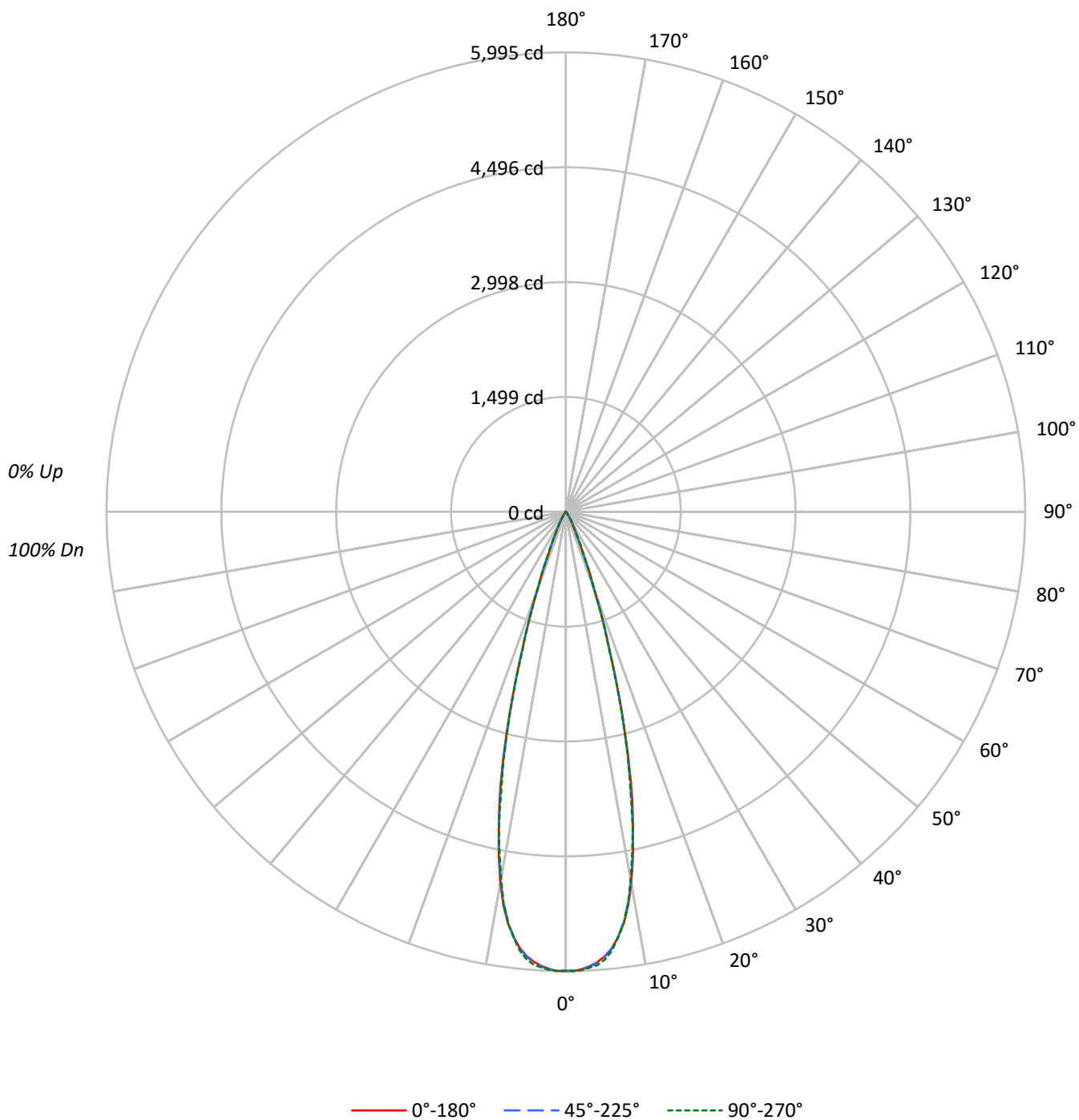
Lumens per Lamp: N/A
Luminaire Lumens: 1546.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	1031872	1031872	1031872
5°	1006700	1007962	1013564
10°	859795	855808	850754
15°	530597	524374	526318
20°	200540	201640	201420
25°	61683	67630	64438
30°	24858	31560	25833
35°	7338	13393	7590
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°	528.4	34.2
10°-20°	782.4	50.6
20°-30°	194.1	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°	1504.9	97.3
0°-40°	1541.4	99.7
0°-60°	1546.0	100.0
0°-90°	1546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1546.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5992	5992	5992	5992	5992	
5°	5823	5821	5830	5840	5863	529
15°	2976	2947	2941	2964	2952	786
25°	325	346	356	355	339	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°	5991.5	5991.5	5991.5	5991.5	5991.5
1°	5993.9	5989.1	5989.1	5981.9	5995.1
2°	5972.2	5967.4	5975.8	5969.8	5986.7
3°	5939.8	5933.8	5945.8	5949.4	5957.8
4°	5891.7	5886.9	5900.1	5907.3	5930.2
5°	5823.1	5820.7	5830.4	5840.0	5862.8
6°	5729.4	5725.7	5731.8	5743.8	5758.2
7°	5593.5	5586.3	5591.1	5593.5	5597.1
8°	5421.5	5410.7	5404.7	5417.9	5425.2
9°	5200.3	5188.3	5175.1	5170.2	5187.1
10°	4916.5	4898.5	4893.7	4881.7	4864.8
11°	4587.1	4572.7	4569.1	4547.4	4537.8
12°	4209.5	4202.3	4210.7	4197.5	4192.7
13°	3847.6	3801.9	3795.9	3770.7	3757.4
14°	3419.6	3377.5	3376.3	3363.1	3381.1
15°	2975.9	2947.0	2941.0	2963.9	2951.9
17.5°	1897.4	1916.6	1911.8	1899.8	1879.3
20°	1094.2	1080.9	1100.2	1105.0	1099.0
22.5°	583.2	588.0	591.6	606.0	615.6
25°	324.6	346.3	355.9	354.7	339.1
27.5°	202.0	215.2	233.3	221.2	208.0
30°	125.0	135.9	158.7	137.1	129.9
32.5°	67.3	85.4	102.2	85.4	69.7
35°	34.9	45.7	63.7	46.9	36.1
37.5°	22.8	26.5	40.9	26.5	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)