

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: P1315809

Luminaire Tested: LDSQA3D17R459735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

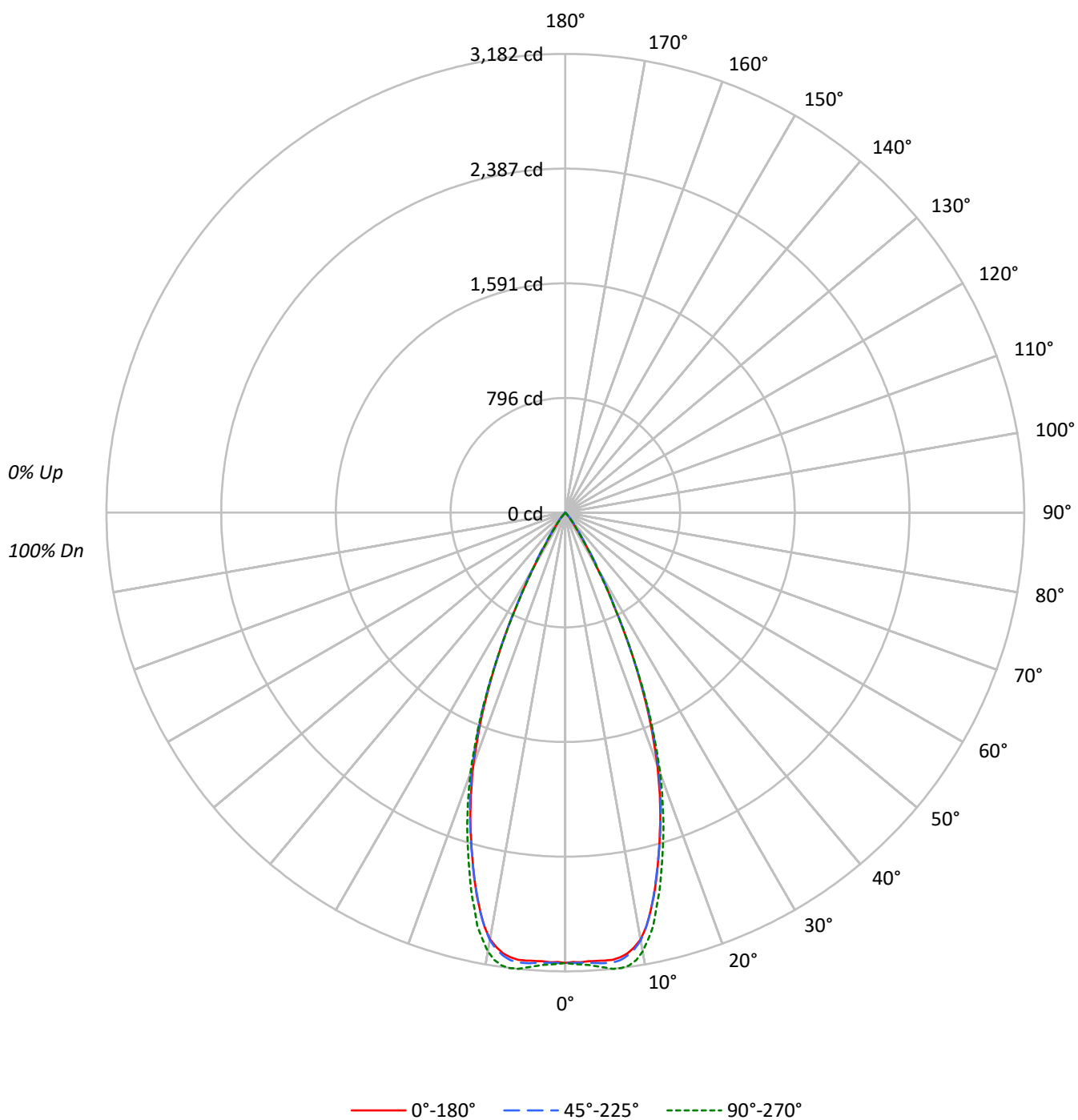
Lumens per Lamp: N/A
Luminaire Lumens: 1615.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	537972	537972	537972
5°	539197	542309	547703
10°	525688	526737	540605
15°	443498	443712	458279
20°	342359	347197	352915
25°	212393	212621	213989
30°	87620	93109	86188
35°	27269	33324	26260
40°	8363	11601	7824
45°	585	4384	585
50°	0	643	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: 4384 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	18.4
10°-20°	691.2	42.8
20°-30°	507.1	31.4
30°-40°	109.0	6.7
40°-50°	10.4	0.6
50°-60°	0.1	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°	1495.6	92.6
0°-40°	1604.6	99.4
0°-60°	1615.0	100.0
0°-90°	1615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3124	3124	3124	3124	3124	
5°	3119	3127	3137	3158	3168	295
15°	2487	2483	2489	2528	2570	685
25°	1118	1114	1119	1119	1126	501
35°	130	139	158	136	125	102
45°	2	7	18	7	2	6
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°	3123.7	3123.7	3123.7	3123.7	3123.7
1°	3117.7	3124.9	3124.9	3129.7	3132.1
2°	3120.1	3124.9	3123.7	3132.1	3135.7
3°	3116.5	3124.9	3127.3	3136.9	3142.9
4°	3117.7	3124.9	3132.1	3146.5	3154.9
5°	3118.9	3127.3	3136.9	3158.5	3168.1
6°	3120.1	3126.1	3136.9	3164.5	3182.5
7°	3108.1	3116.5	3128.5	3163.3	3182.5
8°	3088.9	3093.7	3103.3	3148.9	3171.7
9°	3052.9	3051.7	3066.1	3116.5	3142.9
10°	3006.0	2991.6	3012.0	3062.5	3091.3
11°	2930.4	2914.8	2932.8	2986.8	3014.4
12°	2832.0	2832.0	2835.6	2883.6	2931.6
13°	2727.5	2715.5	2722.7	2776.7	2810.4
14°	2612.3	2600.3	2607.5	2648.3	2701.1
15°	2487.4	2482.6	2488.6	2528.2	2570.3
17.5°	2190.9	2180.1	2201.7	2241.3	2262.9
20°	1868.0	1886.0	1894.4	1919.6	1925.6
22.5°	1497.0	1516.2	1528.2	1531.8	1535.4
25°	1117.7	1114.1	1118.9	1118.9	1126.1
27.5°	734.7	734.7	747.9	739.5	731.1
30°	440.6	458.6	468.2	452.6	433.4
32.5°	240.1	258.1	273.7	250.9	234.1
35°	129.7	139.3	158.5	135.7	124.9
37.5°	70.8	79.2	91.2	76.8	70.8
40°	37.2	45.6	51.6	45.6	34.8
42.5°	12.0	22.8	30.0	22.8	10.8
45°	2.4	7.2	18.0	7.2	2.4
47.5°	0.0	1.2	8.4	1.2	0.0
50°	0.0	0.0	2.4	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)