

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: P1319230

Luminaire Tested: LDSQA3D13R309835DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319230
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: LDSQA3D13R309835DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

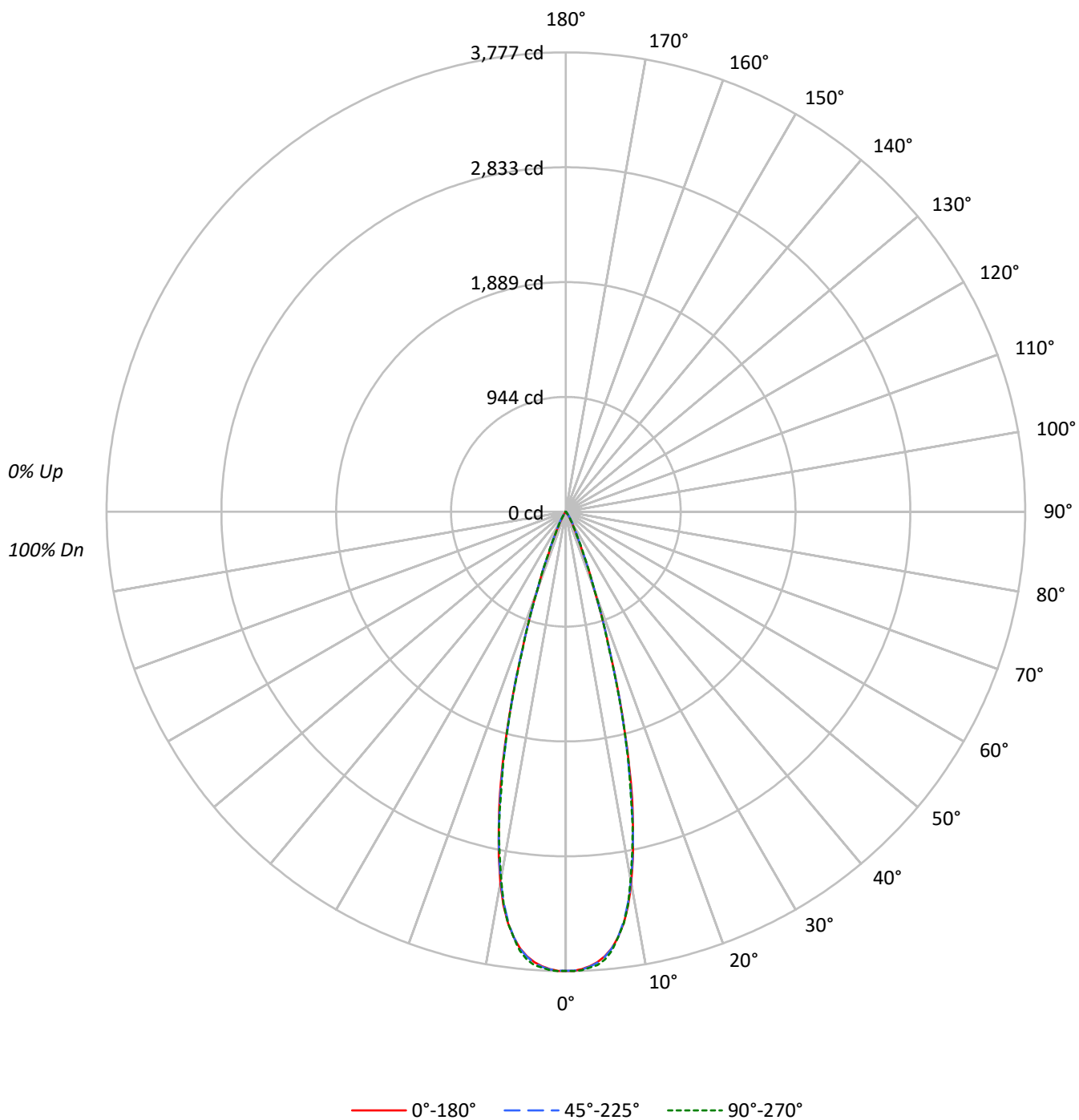
Lumens per Lamp: N/A
Luminaire Lumens: 974.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	650089	650089	650089
5°	634247	635025	638569
10°	541689	539171	535988
15°	334291	330368	331581
20°	126332	127028	126900
25°	38860	42604	40590
30°	15671	19887	16267
35°	4625	8431	4773
40°	1866	3417	1866
45°	365	1096	365
50°	0	214	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: 1096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	34.2
10°-20°	492.9	50.6
20°-30°	122.3	12.6
30°-40°	23.0	2.4
40°-50°	2.9	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°	948.1	97.3
0°-40°	971.1	99.7
0°-60°	974.0	100.0
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3775	3775	3775	3775	3775	
5°	3669	3667	3673	3679	3694	333
15°	1875	1857	1853	1867	1860	495
25°	204	218	224	224	214	118
35°	22	29	40	30	23	18
45°	2	2	4	3	2	2
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°	3774.7	3774.7	3774.7	3774.7	3774.7
1°	3776.2	3773.2	3773.2	3768.6	3777.0
2°	3762.6	3759.6	3764.9	3761.1	3771.7
3°	3742.1	3738.3	3745.9	3748.2	3753.5
4°	3711.8	3708.8	3717.1	3721.7	3736.1
5°	3668.7	3667.1	3673.2	3679.3	3693.7
6°	3609.6	3607.3	3611.1	3618.7	3627.7
7°	3524.0	3519.4	3522.5	3524.0	3526.2
8°	3415.6	3408.8	3405.0	3413.4	3417.9
9°	3276.3	3268.7	3260.4	3257.3	3267.9
10°	3097.5	3086.1	3083.1	3075.5	3064.9
11°	2889.9	2880.8	2878.6	2864.9	2858.9
12°	2652.1	2647.5	2652.8	2644.5	2641.5
13°	2424.1	2395.3	2391.5	2375.6	2367.2
14°	2154.4	2127.9	2127.1	2118.8	2130.1
15°	1874.9	1856.7	1852.9	1867.3	1859.7
17.5°	1195.4	1207.5	1204.5	1196.9	1184.0
20°	689.3	681.0	693.1	696.2	692.4
22.5°	367.4	370.4	372.7	381.8	387.8
25°	204.5	218.2	224.2	223.5	213.6
27.5°	127.3	135.6	147.0	139.4	131.1
30°	78.8	85.6	100.0	86.4	81.8
32.5°	42.4	53.8	64.4	53.8	43.9
35°	22.0	28.8	40.1	29.5	22.7
37.5°	14.4	16.7	25.8	16.7	14.4
40°	8.3	10.6	15.2	10.6	8.3
42.5°	3.8	6.1	8.3	6.1	3.8
45°	1.5	2.3	4.5	3.0	1.5
47.5°	0.0	0.8	2.3	0.8	0.0
50°	0.0	0.0	0.8	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)