

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: P1316626

Luminaire Tested: LDSQA3D13R409740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

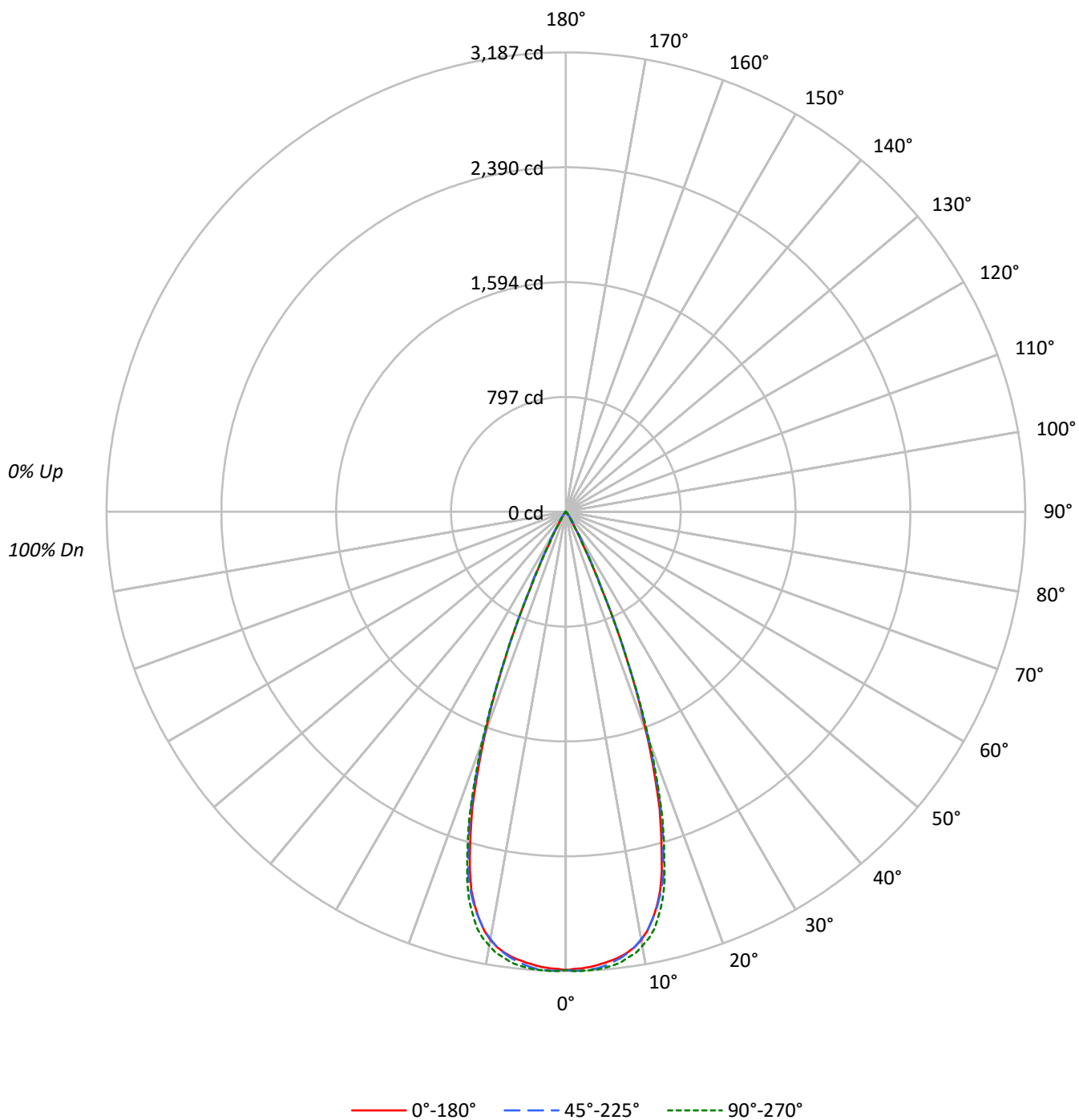
Lumens per Lamp: N/A
Luminaire Lumens: 1337.0 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

TEST NUMBER: P1316626

CATALOG NUMBER: LDSQA3D13R409740DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1316626

CATALOG NUMBER: LDSQA3D13R409740DE010 3LSQCDR1MMS

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91
5	100	93	89	86	98	93	88	85	91	87	85		89	86	84		88
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80
9	87	80	76	73	86	80	75	73	79	75	72		78	75	72		77
10	85	77	73	70	84	77	73	70	76	72	70		76	72	70		75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	547565	547565	547565
5°	542827	546251	548844
10°	527366	526387	534606
15°	458779	466160	471866
20°	301103	306968	310945
25°	107346	113598	106814
30°	23406	31640	23585
35°	7527	13056	7317
40°	2338	4024	2113
45°	219	1364	219
50°	0	241	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: 1364 cd/sqm

TEST NUMBER: P1316626

CATALOG NUMBER: LDSQA3D13R409740DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	22.2
10°-20°	692.4	51.8
20°-30°	310.6	23.2
30°-40°	33.5	2.5
40°-50°	3.1	0.2
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°	1300.3	97.3
0°-40°	1333.9	99.8
0°-60°	1337.0	100.0
0°-90°	1337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3179	3179	3179	3179	3179	
5°	3140	3148	3160	3164	3175	296
15°	2573	2592	2614	2630	2646	684
25°	565	582	598	608	562	301
35°	36	41	62	40	35	28
45°	1	2	6	2	1	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	

TEST NUMBER: P1316626

CATALOG NUMBER: LDSQA3D13R409740DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3179.4	3179.4	3179.4	3179.4	3179.4
1°	3172.8	3179.4	3185.1	3180.4	3187.0
2°	3170.0	3177.5	3186.0	3181.3	3187.0
3°	3162.5	3171.9	3181.3	3178.5	3184.1
4°	3152.1	3159.7	3173.8	3173.8	3182.2
5°	3139.9	3148.4	3159.7	3164.4	3174.7
6°	3126.7	3131.4	3139.9	3149.3	3163.4
7°	3109.8	3109.8	3120.1	3129.5	3148.4
8°	3086.2	3084.3	3091.9	3104.1	3121.0
9°	3057.0	3050.4	3056.1	3074.0	3099.4
10°	3015.6	3010.0	3010.0	3032.5	3057.0
11°	2961.9	2960.1	2961.0	2982.7	3015.6
12°	2889.4	2891.3	2891.3	2915.8	2956.3
13°	2807.5	2806.6	2815.1	2842.4	2869.7
14°	2707.7	2713.4	2721.9	2746.3	2774.6
15°	2573.1	2591.9	2614.5	2629.6	2646.5
17.5°	2163.6	2182.4	2213.5	2225.7	2229.5
20°	1642.9	1670.2	1674.9	1699.4	1696.6
22.5°	1101.5	1099.7	1103.4	1106.3	1107.2
25°	564.9	581.8	597.8	608.2	562.1
27.5°	245.7	274.9	295.6	268.3	248.6
30°	117.7	133.7	159.1	134.6	118.6
32.5°	64.0	74.4	100.7	73.4	63.1
35°	35.8	41.4	62.1	40.5	34.8
37.5°	20.7	22.6	33.9	22.6	19.8
40°	10.4	13.2	17.9	13.2	9.4
42.5°	3.8	6.6	9.4	6.6	3.8
45°	0.9	1.9	5.6	1.9	0.9
47.5°	0.0	0.0	2.8	0.0	0.0
50°	0.0	0.0	0.9	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



TEST NUMBER: P1316626

CATALOG NUMBER: LDSQA3D13R409740DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)