

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: P1316823

Luminaire Tested: LDSQA3D17R709740DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709740DE010 3LSQCLDWWR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLDWWR1MB TRI
Light Source: -
Ballast/Driver: -

Summary

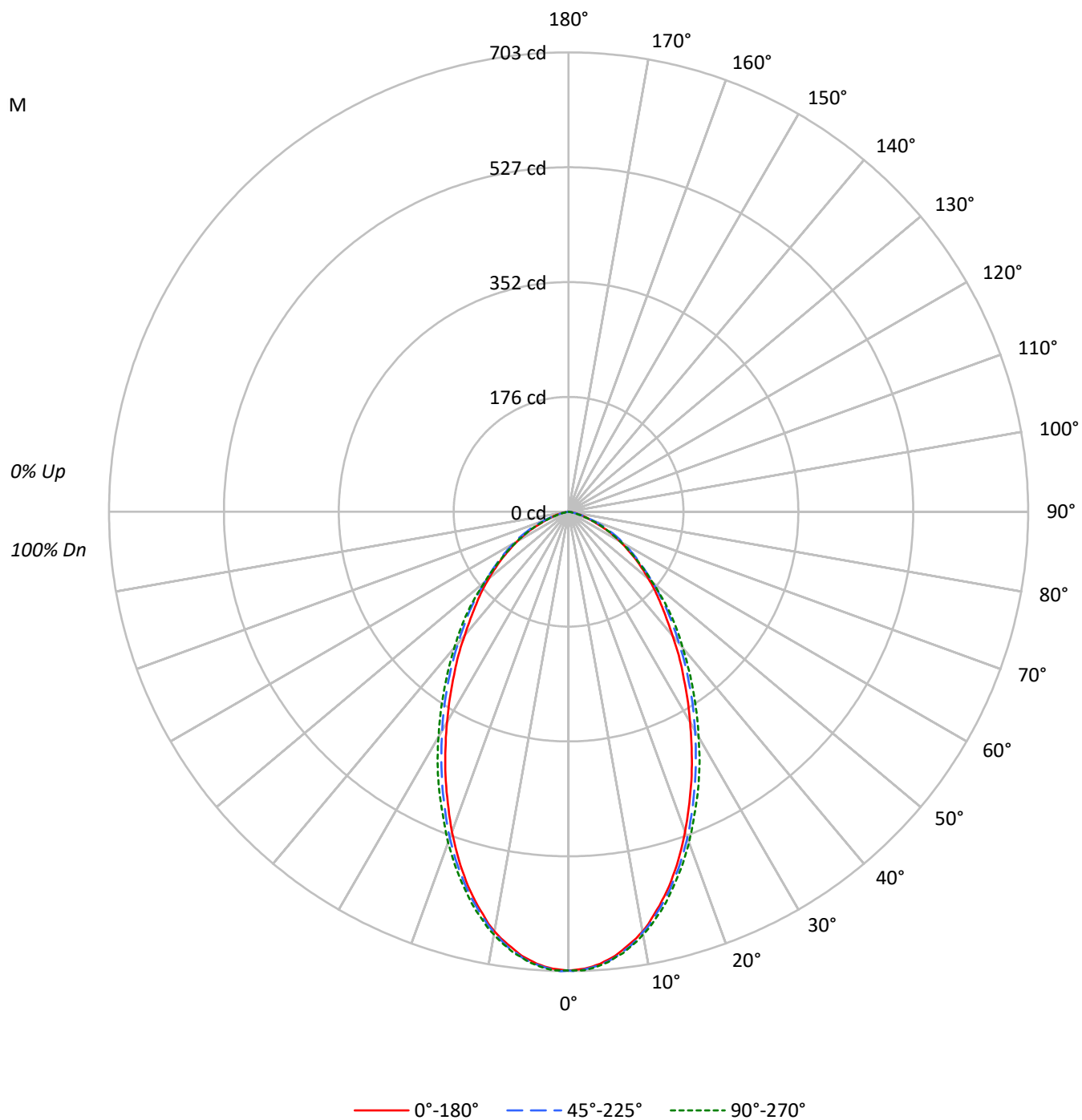
Lumens per Lamp: N/A
Luminaire Lumens: 1005.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	120900	120900	120900
5°	118994	119426	119633
10°	114039	114266	114913
15°	105820	106711	107603
20°	95523	97356	98731
25°	84600	86956	89084
30°	73898	76862	79109
35°	64230	67636	69738
40°	55508	59150	61106
45°	48590	51927	53461
50°	42762	44771	44771
55°	37052	38944	37803
60°	31345	33515	31792
65°	24410	27955	25388
70°	17574	20696	17574
75°	13308	12443	9981
80°	8629	6149	2479
85°	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 53461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	6.4
10°-20°	167.1	16.6
20°-30°	209.7	20.9
30°-40°	200.3	19.9
40°-50°	162.9	16.2
50°-60°	114.0	11.3
60°-70°	64.4	6.4
70°-80°	20.4	2.0
80°-90°	1.6	0.2
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°	441.5	43.9
0°-40°	641.8	63.9
0°-60°	918.7	91.4
0°-90°	1005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	688	690	691	690	692	65
15°	594	595	598	600	604	166
25°	445	450	458	465	469	204
35°	306	310	322	328	332	192
45°	200	204	213	217	220	155
55°	123	125	130	127	126	111
65°	60	64	69	65	62	60
75°	20	20	19	16	15	22
85°	1	1	0	0	0	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.0	702.0	702.0	702.0	702.0
1°	700.8	702.0	703.3	700.8	702.0
2°	699.5	700.8	700.8	699.5	702.0
3°	697.0	698.3	698.3	697.0	699.5
4°	693.3	694.5	694.5	693.3	695.8
5°	688.3	689.5	690.8	689.5	692.0
6°	683.3	684.6	685.8	684.6	685.8
7°	675.8	678.3	678.3	678.3	680.8
8°	668.4	670.8	672.1	670.8	673.3
9°	660.9	662.1	663.4	663.4	665.9
10°	652.1	653.4	653.4	654.6	657.1
11°	642.2	642.2	644.7	644.7	648.4
12°	629.7	630.9	633.4	634.7	637.2
13°	618.5	619.7	622.2	623.5	627.2
14°	606.0	608.5	611.0	612.2	616.0
15°	593.5	594.8	598.5	599.8	603.5
17.5°	558.6	559.9	566.1	568.6	572.3
20°	521.2	525.0	531.2	534.9	538.7
22.5°	482.6	486.3	493.8	500.0	502.5
25°	445.2	450.1	457.6	465.1	468.8
27.5°	407.7	412.7	421.5	428.9	433.9
30°	371.6	376.6	386.5	392.8	397.8
32.5°	337.9	342.9	354.1	360.4	364.1
35°	305.5	310.5	321.7	327.9	331.7
37.5°	276.8	281.8	291.8	298.0	300.5
40°	246.9	253.1	263.1	269.3	271.8
42.5°	222.0	226.9	236.9	241.9	245.6
45°	199.5	204.5	213.2	217.0	219.5
47.5°	179.6	182.1	189.5	190.8	193.3
50°	159.6	162.1	167.1	168.3	167.1
52.5°	140.9	143.4	147.1	145.9	145.9
55°	123.4	124.7	129.7	127.2	125.9
57.5°	106.0	108.5	113.5	109.7	108.5
60°	91.0	93.5	97.3	94.8	92.3
62.5°	76.1	77.3	83.5	78.6	76.1
65°	59.9	63.6	68.6	64.8	62.3
67.5°	44.9	51.1	56.1	51.1	48.6
70°	34.9	37.4	41.1	38.7	34.9
72.5°	26.2	27.4	28.7	26.2	23.7
75°	20.0	20.0	18.7	16.2	15.0
77.5°	13.7	13.7	11.2	7.5	7.5
80°	8.7	8.7	6.2	2.5	2.5
82.5°	3.7	3.7	2.5	1.2	1.2
85°	1.2	1.2	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)