

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: P1314801

Luminaire Tested: LDSQA3D17R309730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

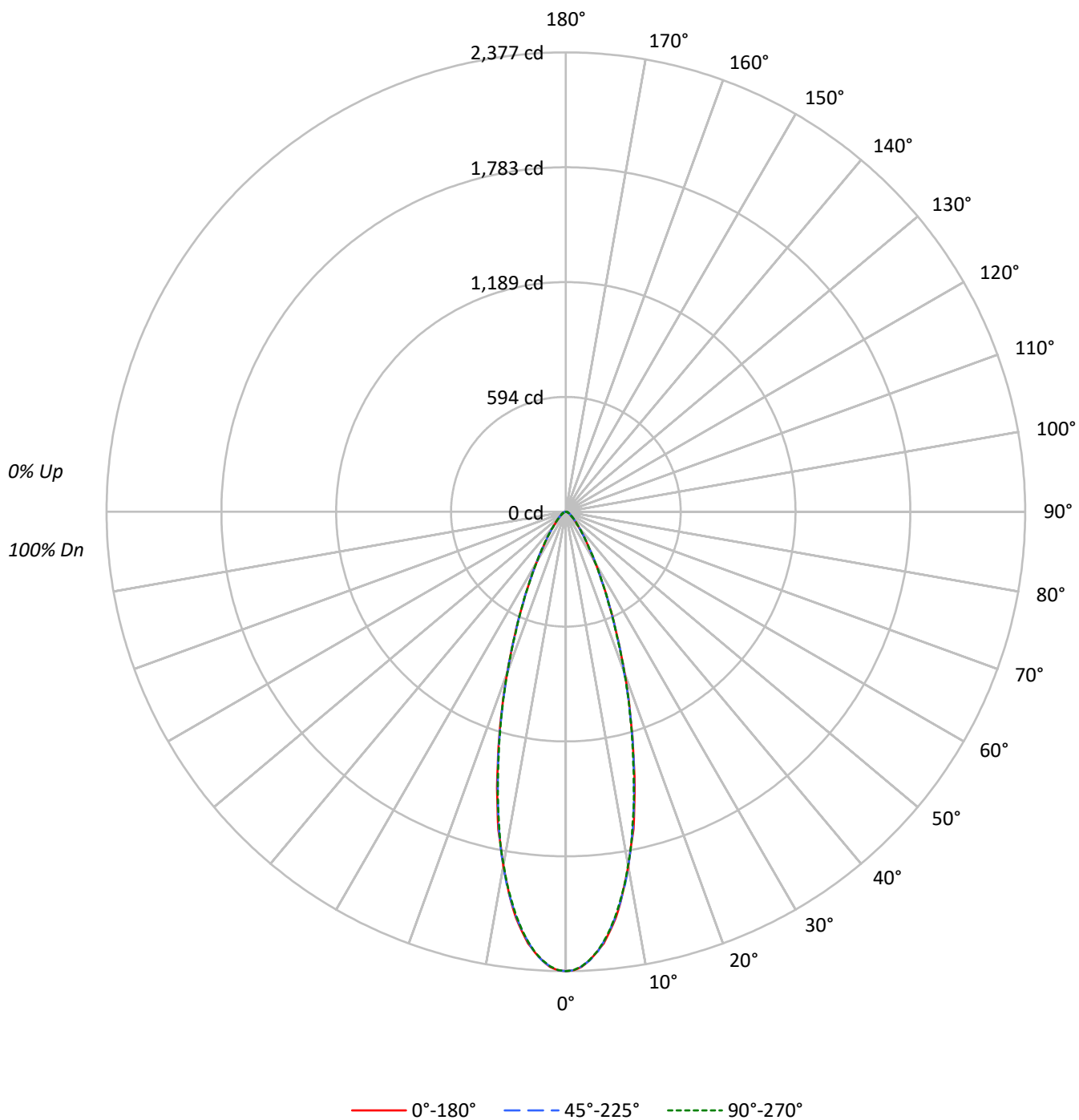
Lumens per Lamp: N/A
Luminaire Lumens: 1044.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	409408	409408	409408
5°	387598	386613	386405
10°	325626	325626	324419
15°	242610	241986	240560
20°	162382	161521	161741
25°	100087	99878	100315
30°	60177	60177	60415
35°	36919	36919	37150
40°	23381	23381	23898
45°	16026	16318	16318
50°	11762	11762	11762
55°	9008	9368	9368
60°	7543	7543	7957
65°	6602	6602	6602
70°	5841	6395	6395
75°	5390	5390	5390
80°	4562	4562	4562
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 16318 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	19.3
10°-20°	372.1	35.6
20°-30°	247.4	23.7
30°-40°	114.3	11.0
40°-50°	53.1	5.1
50°-60°	28.4	2.7
60°-70°	16.6	1.6
70°-80°	8.8	0.8
80°-90°	1.9	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°	821.0	78.6
0°-40°	935.3	89.6
0°-60°	1016.8	97.4
0°-90°	1044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2377	2377	2377	2377	2377	
5°	2242	2237	2236	2242	2235	202
15°	1361	1365	1357	1357	1349	373
25°	527	526	526	526	528	248
35°	176	174	176	177	177	114
45°	66	66	67	67	67	53
55°	30	31	31	31	31	28
65°	16	16	16	16	16	16
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2377.2	2377.2	2377.2	2377.2	2377.2
1°	2372.6	2370.3	2372.6	2376.0	2371.4
2°	2356.4	2354.1	2354.1	2358.7	2354.1
3°	2325.2	2327.5	2326.4	2331.0	2322.9
4°	2285.9	2284.8	2289.4	2291.7	2284.8
5°	2242.0	2237.4	2236.3	2242.0	2235.1
6°	2182.0	2178.5	2176.2	2183.1	2173.9
7°	2117.3	2115.0	2111.5	2113.8	2106.9
8°	2037.6	2036.4	2034.1	2036.4	2028.4
9°	1948.7	1948.7	1953.3	1952.1	1947.5
10°	1862.0	1864.3	1862.0	1864.3	1855.1
11°	1765.0	1765.0	1767.3	1766.1	1767.3
12°	1680.7	1671.4	1669.1	1666.8	1659.9
13°	1572.1	1565.2	1562.8	1565.2	1561.7
14°	1472.7	1468.1	1456.6	1458.9	1454.3
15°	1360.7	1365.3	1357.2	1357.2	1349.2
17.5°	1112.4	1107.7	1110.0	1111.2	1107.7
20°	886.0	883.6	881.3	879.0	882.5
22.5°	688.4	689.6	687.3	685.0	682.7
25°	526.7	525.6	525.6	525.6	527.9
27.5°	399.7	399.7	399.7	400.8	400.8
30°	302.6	300.3	302.6	303.8	303.8
32.5°	226.4	228.7	229.9	229.9	229.9
35°	175.6	174.4	175.6	176.7	176.7
37.5°	134.0	134.0	135.1	135.1	136.3
40°	104.0	104.0	104.0	105.1	106.3
42.5°	82.0	82.0	83.2	83.2	84.3
45°	65.8	65.8	67.0	67.0	67.0
47.5°	53.1	53.1	54.3	54.3	54.3
50°	43.9	43.9	43.9	43.9	43.9
52.5°	37.0	35.8	37.0	37.0	37.0
55°	30.0	31.2	31.2	31.2	31.2
57.5°	25.4	26.6	26.6	26.6	26.6
60°	21.9	21.9	21.9	23.1	23.1
62.5°	18.5	19.6	19.6	19.6	19.6
65°	16.2	16.2	16.2	16.2	16.2
67.5°	13.9	13.9	13.9	13.9	15.0
70°	11.6	11.6	12.7	12.7	12.7
72.5°	10.4	10.4	10.4	10.4	10.4
75°	8.1	8.1	8.1	8.1	8.1
77.5°	5.8	5.8	6.9	6.9	5.8
80°	4.6	4.6	4.6	4.6	4.6
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2
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)