

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: P1314672

Luminaire Tested: LDSQA3D13R359730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

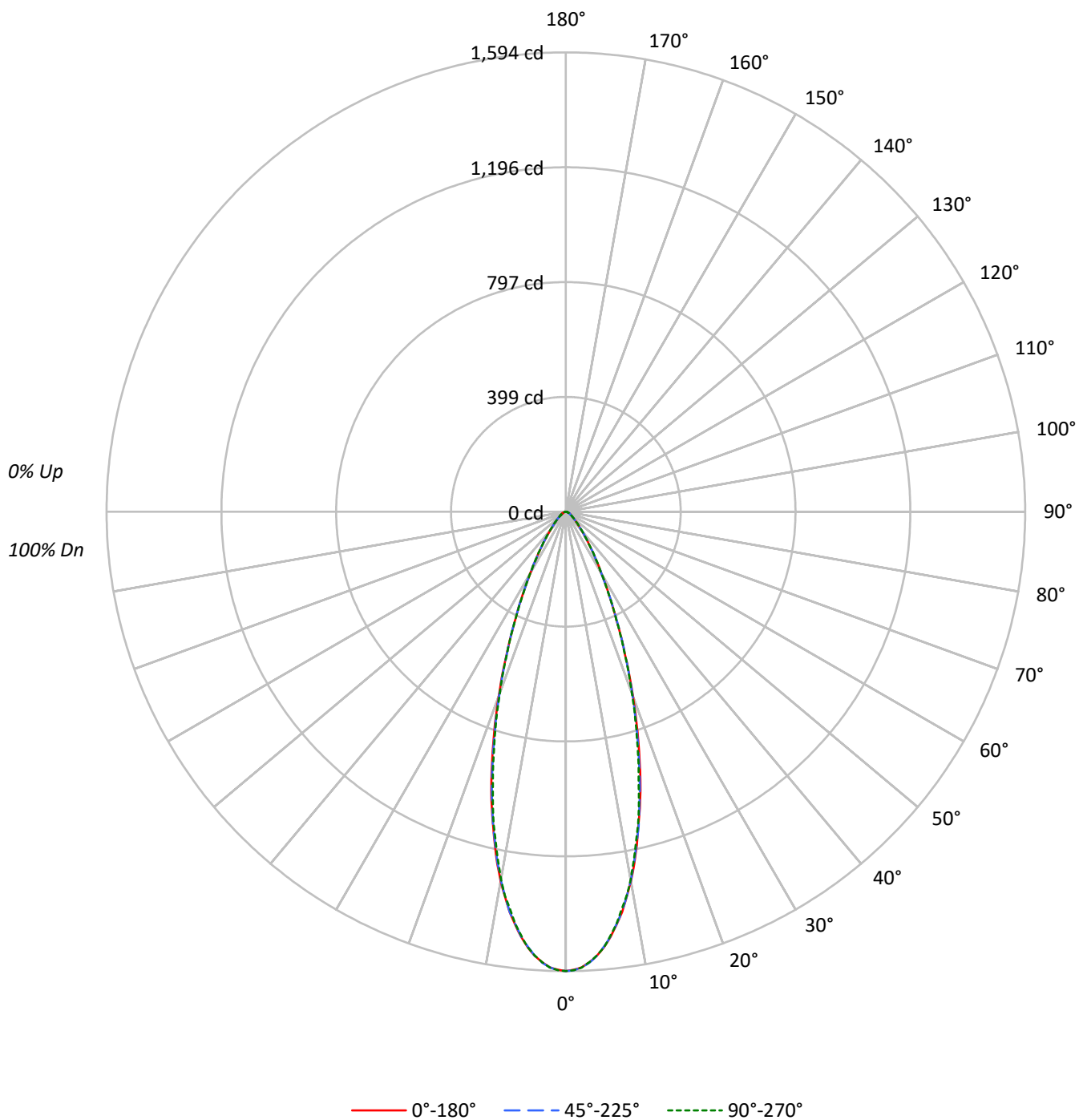
Lumens per Lamp: N/A
Luminaire Lumens: 786.0 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	274488	274488	274488
5°	262277	261828	262277
10°	227693	226941	226626
15°	178423	177014	174233
20°	124829	123711	122905
25°	79279	79773	79279
30°	48841	49179	48841
35°	30212	30401	30401
40°	19177	19380	19380
45°	12933	13152	13371
50°	9324	9565	9565
55°	7326	7326	7326
60°	5993	5993	5993
65°	5338	5338	5338
70°	4834	4834	4834
75°	4059	4059	4059
80°	3471	3471	3471
85°	1778	1778	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13371 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	17.5
10°-20°	271.2	34.5
20°-30°	195.7	24.9
30°-40°	94.3	12.0
40°-50°	43.5	5.5
50°-60°	22.5	2.9
60°-70°	13.0	1.7
70°-80°	6.6	0.8
80°-90°	1.5	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°	604.6	76.9
0°-40°	698.9	88.9
0°-60°	764.9	97.3
0°-90°	786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1594	1594	1594	1594	1594	
5°	1517	1521	1514	1515	1517	138
15°	1001	999	993	988	977	273
25°	417	418	420	420	417	196
35°	144	144	145	145	145	94
45°	53	54	54	55	55	43
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1593.8	1593.8	1593.8	1593.8	1593.8
1°	1589.4	1592.0	1591.2	1592.0	1591.2
2°	1581.6	1583.3	1581.6	1582.4	1582.4
3°	1565.0	1566.8	1566.8	1565.9	1565.0
4°	1545.0	1549.3	1545.0	1545.9	1543.3
5°	1517.1	1520.6	1514.5	1515.4	1517.1
6°	1483.2	1484.0	1482.3	1481.4	1479.7
7°	1444.0	1447.5	1441.4	1442.2	1440.5
8°	1402.2	1401.3	1401.3	1397.8	1392.6
9°	1351.7	1355.1	1349.9	1348.2	1349.0
10°	1302.0	1302.0	1297.7	1293.3	1295.9
11°	1245.4	1243.7	1241.0	1235.0	1233.2
12°	1183.6	1187.1	1179.2	1176.6	1170.5
13°	1120.0	1125.2	1121.7	1112.2	1113.0
14°	1060.8	1057.3	1054.7	1052.9	1046.8
15°	1000.7	998.9	992.8	988.5	977.2
17.5°	836.1	837.8	826.5	824.8	820.4
20°	681.1	675.8	675.0	675.8	670.6
22.5°	537.4	542.6	536.5	537.4	533.9
25°	417.2	418.0	419.8	419.8	417.2
27.5°	324.0	324.0	322.2	324.0	321.4
30°	245.6	245.6	247.3	249.1	245.6
32.5°	189.9	189.9	189.9	190.7	191.6
35°	143.7	143.7	144.6	144.6	144.6
37.5°	110.6	111.5	112.3	112.3	112.3
40°	85.3	86.2	86.2	87.1	86.2
42.5°	67.9	67.9	67.9	68.8	68.8
45°	53.1	54.0	54.0	54.9	54.9
47.5°	43.5	43.5	43.5	44.4	44.4
50°	34.8	35.7	35.7	35.7	35.7
52.5°	28.7	28.7	29.6	29.6	29.6
55°	24.4	24.4	24.4	24.4	24.4
57.5°	20.0	20.9	20.9	20.9	20.9
60°	17.4	17.4	17.4	17.4	17.4
62.5°	14.8	14.8	14.8	14.8	14.8
65°	13.1	13.1	13.1	13.1	13.1
67.5°	10.5	11.3	11.3	11.3	11.3
70°	9.6	9.6	9.6	9.6	9.6
72.5°	7.0	7.8	7.8	7.8	7.8
75°	6.1	6.1	6.1	6.1	6.1
77.5°	5.2	4.4	4.4	4.4	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	2.6	2.6	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.9	0.9



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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)