

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: P1316616

Luminaire Tested: LDSQA3D13R359740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316616
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: LDSQA3D13R359740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

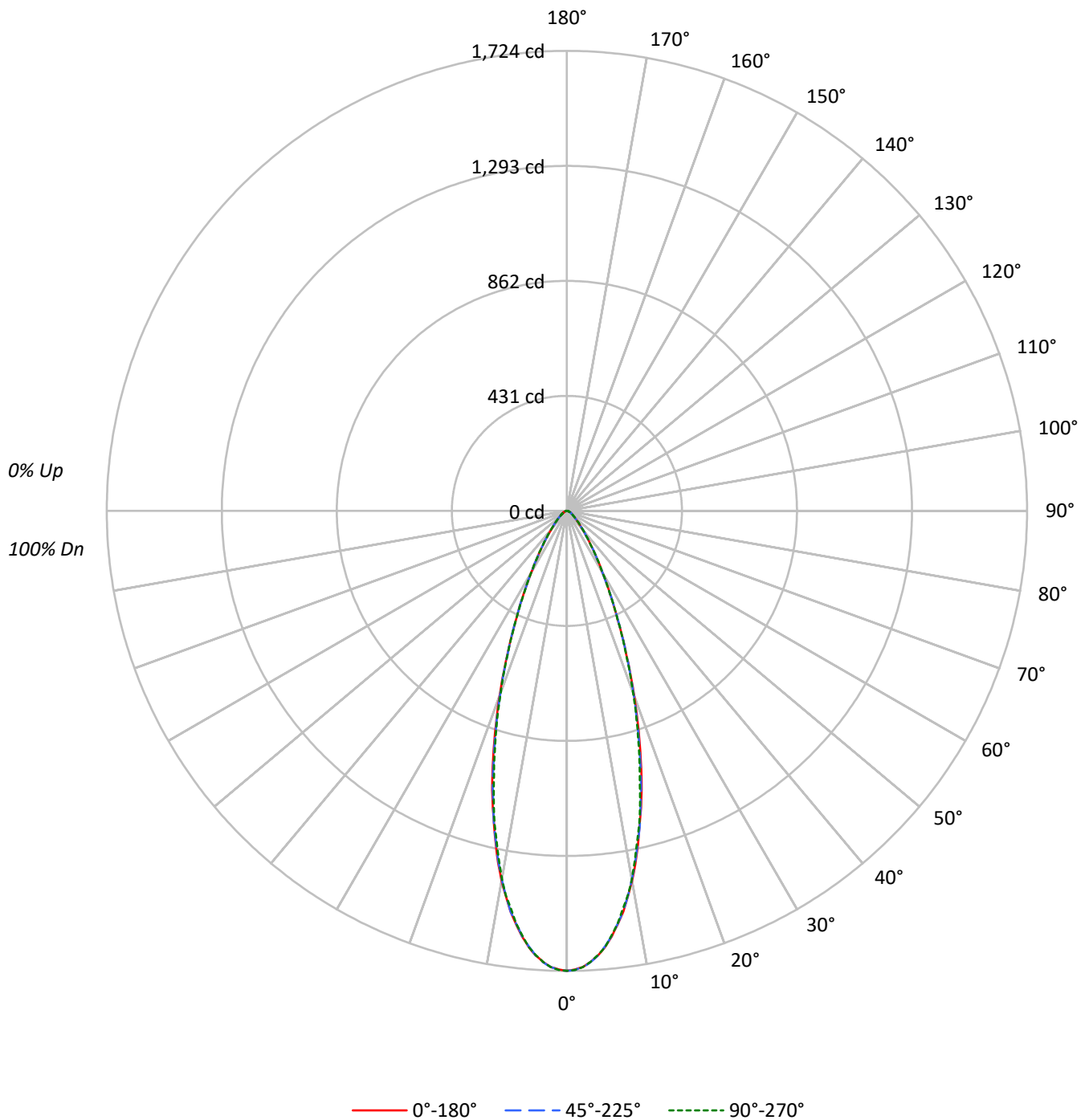
Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	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°	296826	296826	296826
5°	283645	283144	283645
10°	246230	245408	245076
15°	192954	191439	188407
20°	134982	133773	132911
25°	85721	86272	85721
30°	52819	53197	52819
35°	32672	32861	32861
40°	20751	20953	20953
45°	14005	14224	14443
50°	10101	10342	10342
55°	7927	7927	7927
60°	6476	6476	6476
65°	5746	5746	5746
70°	5237	5237	5237
75°	4392	4392	4392
80°	3769	3769	3769
85°	1778	1778	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 14443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	17.5
10°-20°	293.3	34.5
20°-30°	211.6	24.9
30°-40°	102.0	12.0
40°-50°	47.0	5.5
50°-60°	24.3	2.9
60°-70°	14.0	1.7
70°-80°	7.1	0.8
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°	653.8	76.9
0°-40°	755.8	88.9
0°-60°	827.2	97.3
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1641	1644	1638	1639	1641	149
15°	1082	1080	1074	1069	1057	295
25°	451	452	454	454	451	212
35°	155	155	156	156	156	101
45°	58	58	58	59	59	46
55°	26	26	26	26	26	24
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1723.5	1723.5	1723.5	1723.5	1723.5
1°	1718.8	1721.7	1720.7	1721.7	1720.7
2°	1710.4	1712.2	1710.4	1711.3	1711.3
3°	1692.5	1694.3	1694.3	1693.4	1692.5
4°	1670.8	1675.5	1670.8	1671.7	1668.9
5°	1640.7	1644.4	1637.8	1638.8	1640.7
6°	1603.9	1604.9	1603.0	1602.0	1600.2
7°	1561.5	1565.3	1558.7	1559.7	1557.8
8°	1516.3	1515.4	1515.4	1511.6	1506.0
9°	1461.7	1465.5	1459.8	1457.9	1458.9
10°	1408.0	1408.0	1403.3	1398.6	1401.4
11°	1346.8	1344.9	1342.1	1335.5	1333.6
12°	1279.9	1283.7	1275.2	1272.4	1265.8
13°	1211.2	1216.8	1213.1	1202.7	1203.7
14°	1147.1	1143.4	1140.5	1138.7	1132.1
15°	1082.2	1080.3	1073.7	1069.0	1056.7
17.5°	904.2	906.0	893.8	891.9	887.2
20°	736.5	730.9	729.9	730.9	725.2
22.5°	581.1	586.8	580.2	581.1	577.3
25°	451.1	452.1	454.0	454.0	451.1
27.5°	350.4	350.4	348.5	350.4	347.5
30°	265.6	265.6	267.5	269.4	265.6
32.5°	205.3	205.3	205.3	206.3	207.2
35°	155.4	155.4	156.3	156.3	156.3
37.5°	119.6	120.6	121.5	121.5	121.5
40°	92.3	93.2	93.2	94.2	93.2
42.5°	73.5	73.5	73.5	74.4	74.4
45°	57.5	58.4	58.4	59.3	59.3
47.5°	47.1	47.1	47.1	48.0	48.0
50°	37.7	38.6	38.6	38.6	38.6
52.5°	31.1	31.1	32.0	32.0	32.0
55°	26.4	26.4	26.4	26.4	26.4
57.5°	21.7	22.6	22.6	22.6	22.6
60°	18.8	18.8	18.8	18.8	18.8
62.5°	16.0	16.0	16.0	16.0	16.0
65°	14.1	14.1	14.1	14.1	14.1
67.5°	11.3	12.2	12.2	12.2	12.2
70°	10.4	10.4	10.4	10.4	10.4
72.5°	7.5	8.5	8.5	8.5	8.5
75°	6.6	6.6	6.6	6.6	6.6
77.5°	5.7	4.7	4.7	4.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	0.9	0.9	0.9	0.9	1.9
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)