

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: P1314487

Luminaire Tested: LDSQA3D09R309730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314487
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: LDSQA3D09R309730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

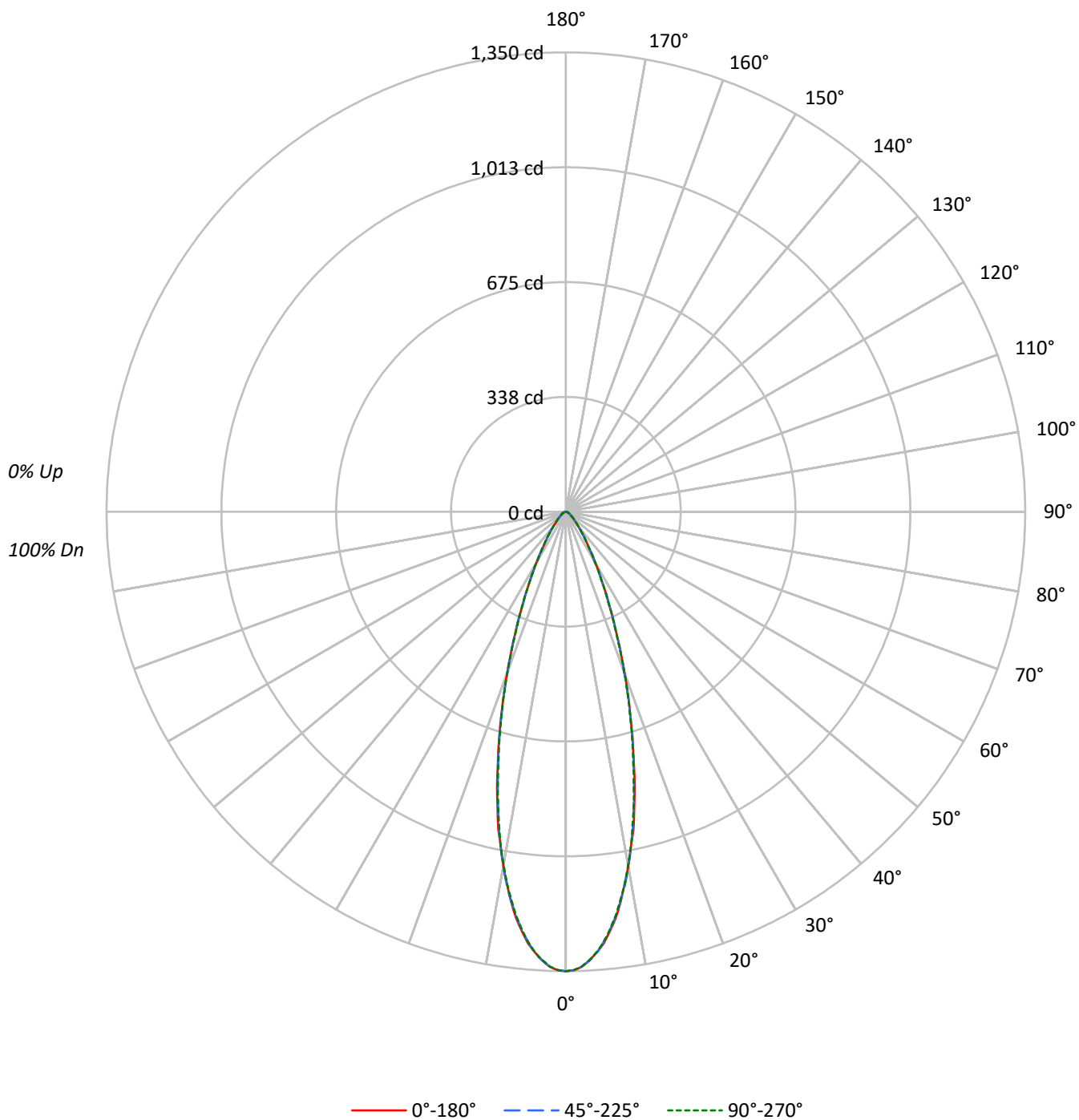
Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	232552	232552	232552
5°	220163	219593	219489
10°	184953	184953	184270
15°	137807	137450	136630
20°	92224	91748	91876
25°	56856	56723	56970
30°	34185	34185	34324
35°	20961	20961	21109
40°	13264	13264	13579
45°	9109	9280	9280
50°	6671	6671	6671
55°	5134	5315	5315
60°	4306	4306	4512
65°	3749	3749	3749
70°	3323	3626	3626
75°	3061	3061	3061
80°	2579	2579	2579
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	19.3
10°-20°	211.4	35.6
20°-30°	140.5	23.7
30°-40°	65.0	11.0
40°-50°	30.2	5.1
50°-60°	16.1	2.7
60°-70°	9.4	1.6
70°-80°	5.0	0.8
80°-90°	1.1	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°	466.3	78.6
0°-40°	531.3	89.6
0°-60°	577.5	97.4
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1274	1271	1270	1274	1270	115
15°	773	776	771	771	766	212
25°	299	298	298	298	300	141
35°	100	99	100	100	100	65
45°	37	37	38	38	38	30
55°	17	18	18	18	18	16
65°	9	9	9	9	9	9
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.3	1350.3	1350.3	1350.3	1350.3
1°	1347.6	1346.3	1347.6	1349.6	1347.0
2°	1338.5	1337.1	1337.1	1339.8	1337.1
3°	1320.7	1322.1	1321.4	1324.0	1319.4
4°	1298.4	1297.8	1300.4	1301.7	1297.8
5°	1273.5	1270.9	1270.2	1273.5	1269.6
6°	1239.4	1237.4	1236.1	1240.0	1234.8
7°	1202.6	1201.3	1199.4	1200.7	1196.7
8°	1157.4	1156.7	1155.4	1156.7	1152.1
9°	1106.8	1106.8	1109.5	1108.8	1106.2
10°	1057.6	1059.0	1057.6	1059.0	1053.7
11°	1002.5	1002.5	1003.8	1003.2	1003.8
12°	954.6	949.4	948.1	946.8	942.8
13°	893.0	889.0	887.7	889.0	887.1
14°	836.5	833.9	827.3	828.7	826.0
15°	772.9	775.5	770.9	770.9	766.3
17.5°	631.8	629.2	630.5	631.2	629.2
20°	503.2	501.9	500.6	499.3	501.3
22.5°	391.0	391.7	390.4	389.1	387.8
25°	299.2	298.5	298.5	298.5	299.8
27.5°	227.0	227.0	227.0	227.7	227.7
30°	171.9	170.6	171.9	172.6	172.6
32.5°	128.6	129.9	130.6	130.6	130.6
35°	99.7	99.1	99.7	100.4	100.4
37.5°	76.1	76.1	76.8	76.8	77.4
40°	59.0	59.0	59.0	59.7	60.4
42.5°	46.6	46.6	47.2	47.2	47.9
45°	37.4	37.4	38.1	38.1	38.1
47.5°	30.2	30.2	30.8	30.8	30.8
50°	24.9	24.9	24.9	24.9	24.9
52.5°	21.0	20.3	21.0	21.0	21.0
55°	17.1	17.7	17.7	17.7	17.7
57.5°	14.4	15.1	15.1	15.1	15.1
60°	12.5	12.5	12.5	13.1	13.1
62.5°	10.5	11.2	11.2	11.2	11.2
65°	9.2	9.2	9.2	9.2	9.2
67.5°	7.9	7.9	7.9	7.9	8.5
70°	6.6	6.6	7.2	7.2	7.2
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.3	3.3	3.9	3.9	3.3
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
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)