

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: P1316676

Luminaire Tested: LDSQA3D13R709740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

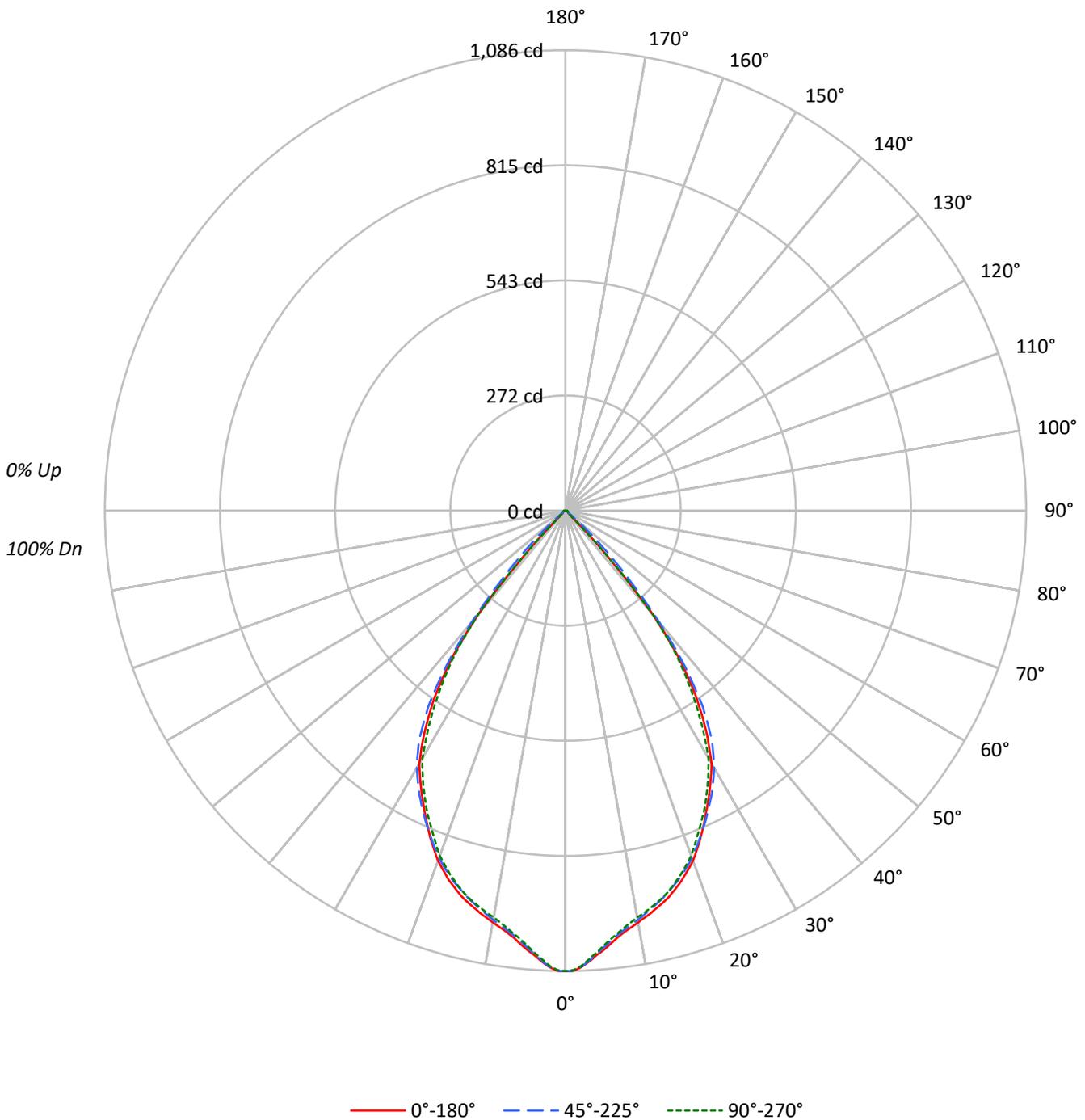
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158.0 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187034	187034	187034
5°	179778	178810	178153
10°	172484	171487	170333
15°	168135	166281	166120
20°	161099	159890	158863
25°	149152	150216	147366
30°	136998	139425	134194
35°	112986	118326	108634
40°	71943	77428	71943
45°	5042	33465	5504
50°	2277	6805	2277
55°	2552	2552	2552
60°	2583	2583	2583
65°	2282	2690	2282
70°	2367	2820	2367
75°	2529	2529	2529
80°	2777	2777	2777
85°	1778	3754	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 33465 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	8.4
10°-20°	262.4	22.7
20°-30°	360.6	31.1
30°-40°	330.3	28.5
40°-50°	87.7	7.6
50°-60°	7.8	0.7
60°-70°	6.4	0.5
70°-80°	4.3	0.4
80°-90°	1.6	0.1
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°	719.9	62.2
0°-40°	1050.3	90.7
0°-60°	1145.8	98.9
0°-90°	1158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1040	1035	1034	1032	1030	97
15°	943	934	933	933	932	265
25°	785	788	790	781	776	361
35°	537	546	563	537	517	326
45°	21	71	137	72	23	62
55°	8	8	8	8	8	7
65°	6	7	7	7	6	6
75°	4	4	4	4	4	4
85°	1	2	2	2	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1086.0	1086.0	1086.0	1086.0	1086.0
1°	1086.0	1084.2	1086.0	1086.0	1084.2
2°	1077.6	1075.7	1076.6	1075.7	1074.7
3°	1065.3	1062.5	1063.5	1061.6	1059.7
4°	1051.2	1048.4	1048.4	1047.5	1045.6
5°	1039.9	1035.2	1034.3	1032.4	1030.5
6°	1026.8	1022.0	1021.1	1018.3	1016.4
7°	1013.6	1009.8	1008.9	1005.1	1005.1
8°	1003.2	998.5	998.5	993.8	993.8
9°	994.8	989.1	989.1	985.3	983.5
10°	986.3	980.6	980.6	975.9	974.0
11°	977.8	973.1	971.2	968.4	967.5
12°	970.3	963.7	961.8	960.9	959.0
13°	960.9	954.3	952.4	951.5	950.5
14°	952.4	943.9	943.0	941.1	942.1
15°	943.0	934.5	932.6	932.6	931.7
17.5°	913.8	908.2	905.3	903.5	901.6
20°	879.0	874.3	872.4	868.6	866.8
22.5°	833.8	832.9	831.9	827.2	819.7
25°	784.9	787.7	790.5	781.1	775.5
27.5°	737.8	745.4	748.2	738.8	726.5
30°	688.9	695.5	701.1	688.0	674.8
32.5°	618.3	634.3	642.8	627.7	597.6
35°	537.4	545.8	562.8	537.4	516.7
37.5°	443.3	448.0	461.1	444.2	430.1
40°	320.0	334.1	344.4	334.1	320.0
42.5°	144.0	201.4	227.7	212.7	150.6
45°	20.7	70.6	137.4	71.5	22.6
47.5°	8.5	11.3	71.5	10.4	8.5
50°	8.5	8.5	25.4	8.5	8.5
52.5°	8.5	8.5	9.4	8.5	8.5
55°	8.5	8.5	8.5	8.5	8.5
57.5°	7.5	7.5	8.5	7.5	7.5
60°	7.5	7.5	7.5	7.5	7.5
62.5°	6.6	7.5	7.5	7.5	6.6
65°	5.6	6.6	6.6	6.6	5.6
67.5°	5.6	5.6	5.6	5.6	5.6
70°	4.7	5.6	5.6	5.6	4.7
72.5°	4.7	4.7	4.7	4.7	4.7
75°	3.8	3.8	3.8	3.8	3.8
77.5°	2.8	3.8	3.8	3.8	2.8
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.9	1.9	1.9	1.9	1.9
85°	0.9	1.9	1.9	1.9	0.9
87.5°	0.9	0.9	0.9	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)