

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: P1312642

Luminaire Tested: LDSQA3D13R709050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312642
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: LDSQA3D13R709050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

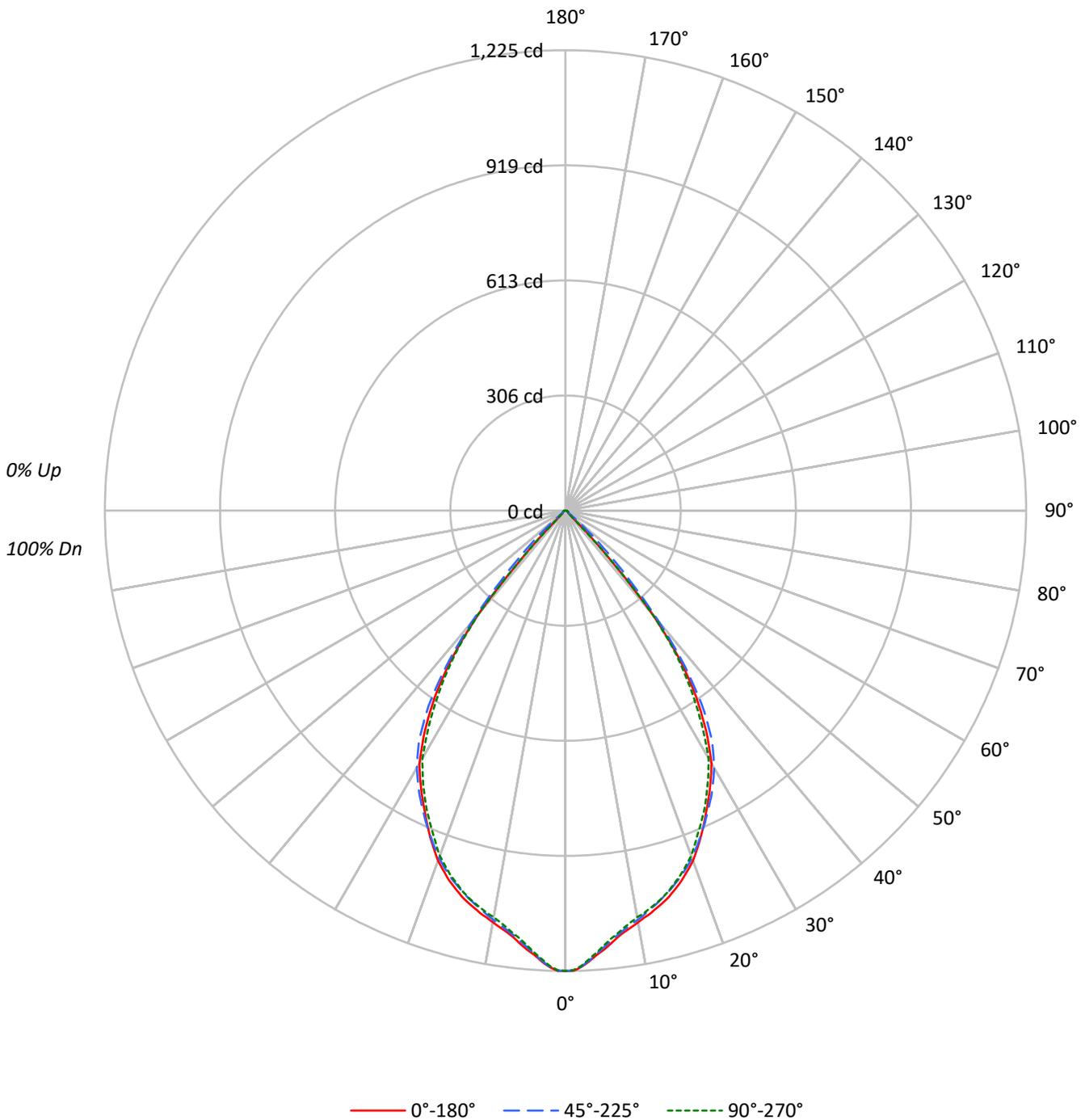
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1306.0 lumens
Efficiency: N/A
Efficacy: 89.5 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	75	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°	210938	210938	210938
5°	202754	201665	200922
10°	194518	193417	192105
15°	189620	187534	187356
20°	181681	180325	179152
25°	168212	169428	166197
30°	154499	157243	151337
35°	127430	133443	122510
40°	81138	87343	81138
45°	5699	37752	6211
50°	2572	7690	2572
55°	2883	2883	2883
60°	2928	2928	2928
65°	2608	3016	2608
70°	2669	3223	2669
75°	2795	2795	2795
80°	3174	3174	3174
85°	2174	4150	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 37752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	8.4
10°-20°	295.9	22.7
20°-30°	406.7	31.1
30°-40°	372.5	28.5
40°-50°	98.9	7.6
50°-60°	8.9	0.7
60°-70°	7.2	0.6
70°-80°	4.8	0.4
80°-90°	1.8	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°	812.0	62.2
0°-40°	1184.5	90.7
0°-60°	1292.3	98.9
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1173	1168	1166	1164	1162	110
15°	1064	1054	1052	1052	1051	298
25°	885	888	892	881	875	407
35°	606	616	635	606	583	368
45°	23	80	155	81	26	70
55°	10	10	10	10	10	8
65°	6	7	7	7	6	7
75°	4	4	4	4	4	4
85°	1	2	2	2	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1224.8	1224.8	1224.8	1224.8	1224.8
1°	1224.8	1222.7	1224.8	1224.8	1222.7
2°	1215.3	1213.2	1214.2	1213.2	1212.1
3°	1201.5	1198.3	1199.4	1197.2	1195.1
4°	1185.6	1182.4	1182.4	1181.3	1179.2
5°	1172.8	1167.5	1166.5	1164.3	1162.2
6°	1158.0	1152.7	1151.6	1148.4	1146.3
7°	1143.1	1138.9	1137.8	1133.6	1133.6
8°	1131.4	1126.1	1126.1	1120.8	1120.8
9°	1121.9	1115.5	1115.5	1111.3	1109.2
10°	1112.3	1106.0	1106.0	1100.7	1098.5
11°	1102.8	1097.5	1095.4	1092.2	1091.1
12°	1094.3	1086.9	1084.7	1083.7	1081.6
13°	1083.7	1076.2	1074.1	1073.1	1072.0
14°	1074.1	1064.6	1063.5	1061.4	1062.5
15°	1063.5	1054.0	1051.8	1051.8	1050.8
17.5°	1030.6	1024.2	1021.1	1018.9	1016.8
20°	991.3	986.0	983.9	979.7	977.5
22.5°	940.4	939.3	938.3	933.0	924.5
25°	885.2	888.4	891.6	881.0	874.6
27.5°	832.1	840.6	843.8	833.2	819.4
30°	776.9	784.4	790.7	775.9	761.0
32.5°	697.3	715.4	724.9	707.9	674.0
35°	606.1	615.6	634.7	606.1	582.7
37.5°	499.9	505.2	520.1	501.0	485.1
40°	360.9	376.8	388.5	376.8	360.9
42.5°	162.4	227.1	256.9	239.9	169.8
45°	23.4	79.6	155.0	80.7	25.5
47.5°	9.6	12.7	80.7	11.7	9.6
50°	9.6	9.6	28.7	9.6	9.6
52.5°	9.6	9.6	10.6	9.6	9.6
55°	9.6	9.6	9.6	9.6	9.6
57.5°	8.5	8.5	9.6	8.5	8.5
60°	8.5	8.5	8.5	8.5	8.5
62.5°	7.4	8.5	8.5	8.5	7.4
65°	6.4	7.4	7.4	7.4	6.4
67.5°	6.4	6.4	6.4	6.4	6.4
70°	5.3	6.4	6.4	6.4	5.3
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.2	4.2	4.2	4.2	4.2
77.5°	3.2	4.2	4.2	4.2	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.1	2.1	2.1	2.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1



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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)