

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: P1318416

Luminaire Tested: LDSQA3D13R559830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559830DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

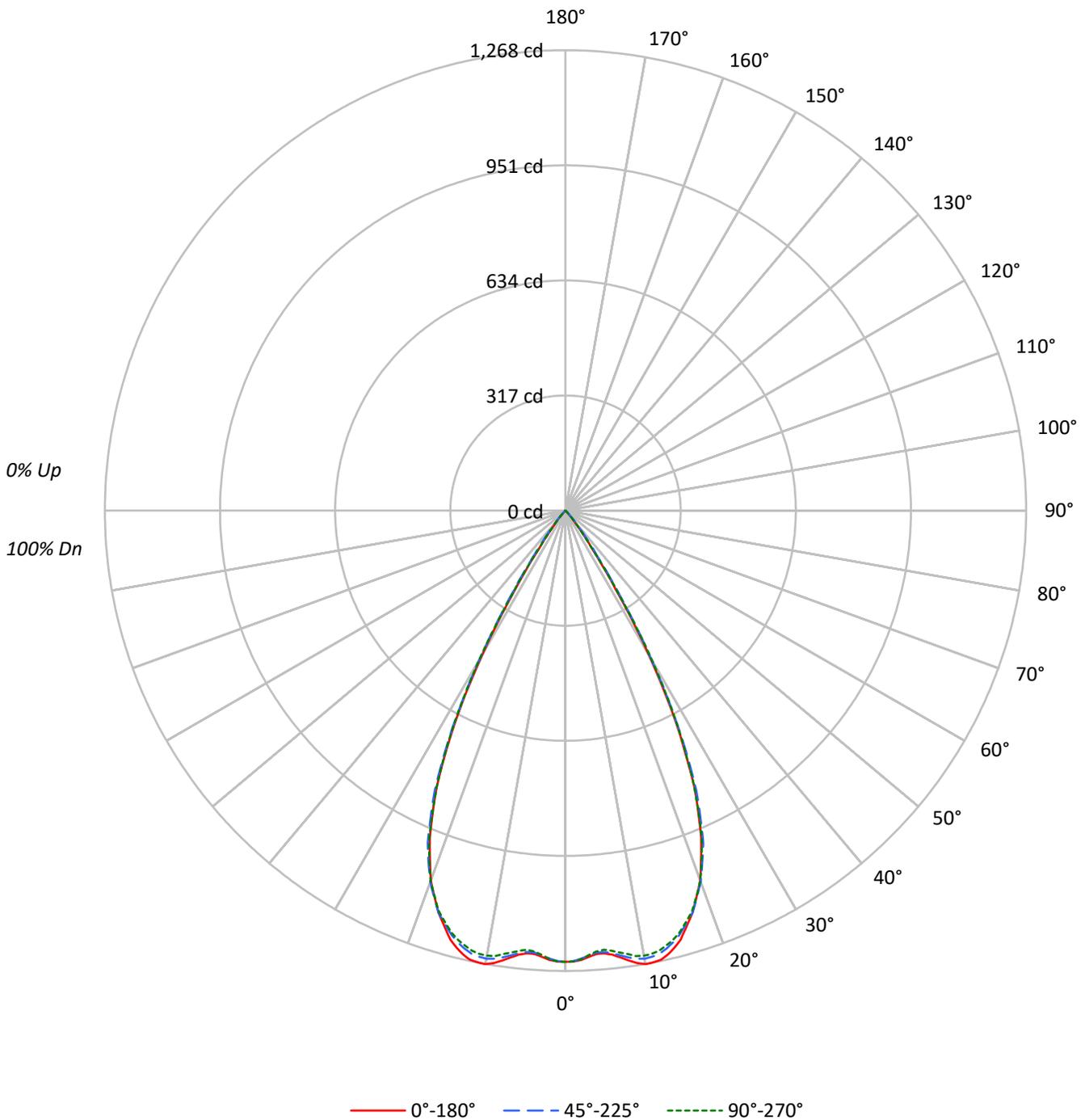
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 945.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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			0
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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	214073	214073	214073
5°	211623	211001	209877
10°	221817	219159	217637
15°	218130	215794	215027
20°	198689	199477	198817
25°	159394	161884	159394
30°	91478	93805	94521
35°	26091	31432	26848
40°	6700	9622	6857
45°	706	3361	536
50°	0	589	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	12.5
10°-20°	336.8	35.6
20°-30°	370.9	39.3
30°-40°	110.7	11.7
40°-50°	8.5	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	825.7	87.4
0°-40°	936.4	99.1
0°-60°	945.0	100.0
0°-90°	945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1224	1222	1220	1215	1214	119
15°	1223	1215	1210	1205	1206	339
25°	839	839	852	850	839	367
35°	124	132	150	136	128	103
45°	3	7	14	7	2	6
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.0	1243.0	1243.0	1243.0	1243.0
1°	1242.3	1242.3	1240.8	1240.1	1242.3
2°	1238.6	1238.6	1235.0	1234.3	1236.5
3°	1230.7	1229.9	1227.0	1224.9	1226.3
4°	1224.1	1222.7	1220.5	1216.9	1217.6
5°	1224.1	1222.0	1220.5	1215.4	1214.0
6°	1229.9	1228.5	1225.6	1220.5	1219.1
7°	1240.1	1237.2	1234.3	1227.8	1226.3
8°	1251.0	1248.8	1243.0	1236.5	1233.6
9°	1261.9	1256.8	1249.5	1243.0	1242.3
10°	1268.4	1261.1	1253.2	1245.2	1244.5
11°	1267.7	1261.1	1251.7	1244.5	1243.7
12°	1264.8	1255.3	1247.4	1238.6	1239.4
13°	1254.6	1245.9	1237.9	1231.4	1229.9
14°	1240.8	1232.8	1225.6	1219.1	1219.8
15°	1223.4	1214.7	1210.3	1205.3	1206.0
17.5°	1161.7	1159.6	1161.7	1155.9	1158.1
20°	1084.1	1081.9	1088.4	1085.5	1084.8
22.5°	976.0	978.9	991.2	987.6	981.0
25°	838.8	838.8	851.9	850.4	838.8
27.5°	660.3	665.4	673.4	677.0	668.3
30°	460.0	471.7	471.7	478.9	475.3
32.5°	256.9	281.5	287.3	291.0	276.5
35°	124.1	132.1	149.5	136.4	127.7
37.5°	59.5	63.1	80.5	65.3	61.0
40°	29.8	34.1	42.8	35.6	30.5
42.5°	12.3	18.1	22.5	18.1	12.3
45°	2.9	7.3	13.8	7.3	2.2
47.5°	0.0	0.7	6.5	1.5	0.0
50°	0.0	0.0	2.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)