

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: P1316100

Luminaire Tested: LDSQA3D02R309740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

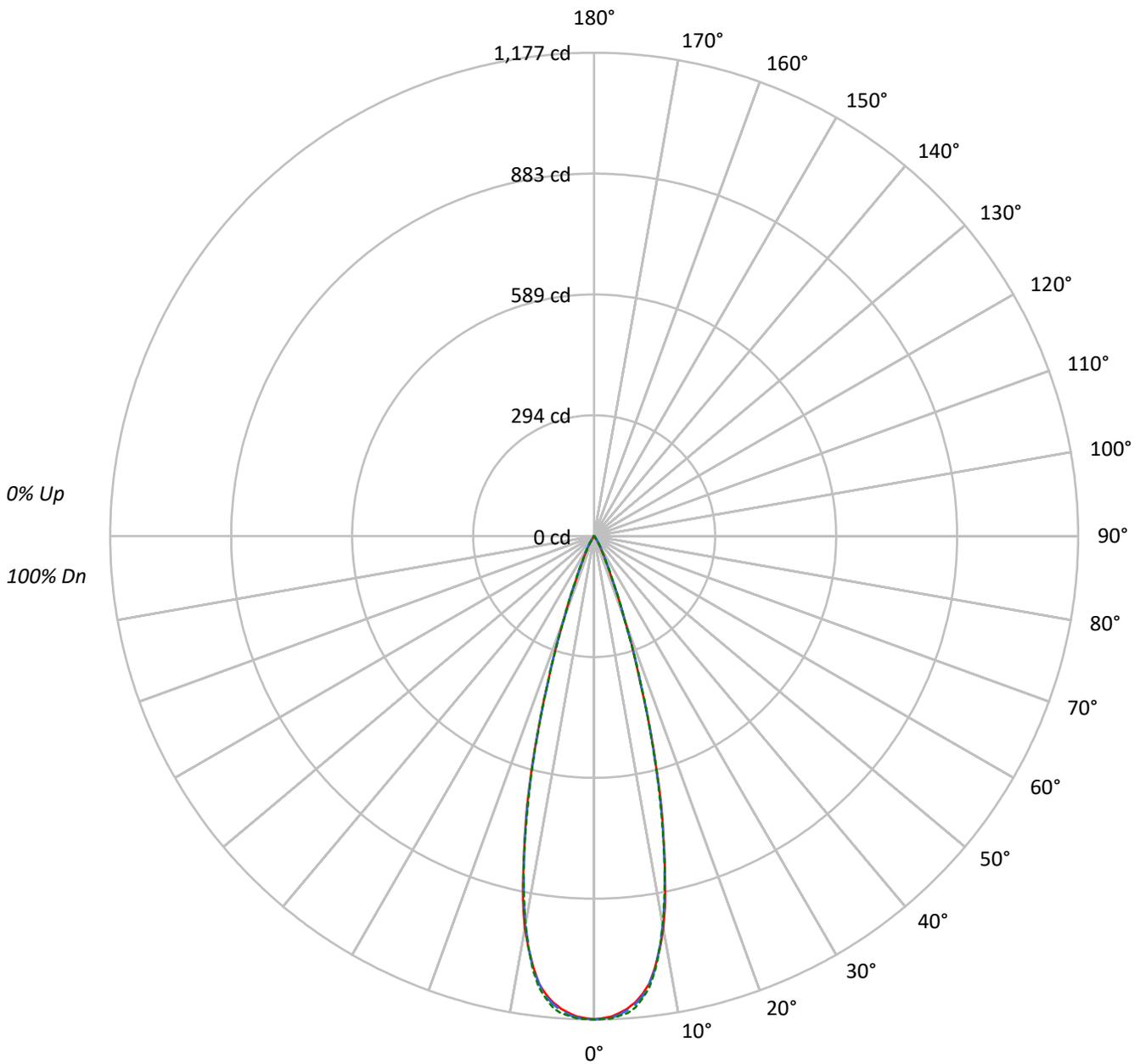
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 306.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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



— 0°-180° - - 45°-225° - · - · 90°-270°



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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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202637	202637	202637
5°	197084	197931	199158
10°	169476	168024	168182
15°	104126	103288	103377
20°	39624	39716	38983
25°	12599	13283	12656
30°	5071	6284	5210
35°	1640	2775	1640
40°	742	1214	742
45°	292	511	292
50°	134	241	134
55°	150	150	150
60°	172	172	172
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	33.9
10°-20°	154.0	50.3
20°-30°	38.3	12.5
30°-40°	7.6	2.5
40°-50°	1.4	0.5
50°-60°	0.5	0.2
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	296.0	96.7
0°-40°	303.6	99.2
0°-60°	305.5	99.8
0°-90°	306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1140	1144	1145	1147	1152	104
15°	584	585	579	581	580	155
25°	66	68	70	69	67	37
35°	8	10	13	10	8	6
45°	1	1	2	2	1	1
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°	1176.6	1176.6	1176.6	1176.6	1176.6
1°	1174.0	1175.4	1176.3	1176.3	1176.3
2°	1170.7	1171.6	1173.0	1173.3	1175.1
3°	1162.9	1165.0	1167.4	1168.8	1169.7
4°	1153.4	1156.3	1157.7	1161.2	1164.3
5°	1140.0	1143.8	1144.9	1146.6	1152.0
6°	1121.8	1124.6	1127.0	1127.7	1131.0
7°	1097.7	1099.1	1098.7	1099.8	1105.7
8°	1061.1	1061.6	1065.6	1063.0	1067.0
9°	1017.7	1015.8	1014.9	1016.7	1017.0
10°	969.1	962.7	960.8	959.1	961.7
11°	906.0	897.8	898.5	898.0	894.2
12°	827.7	826.7	820.6	821.8	827.4
13°	747.6	749.3	748.1	749.5	743.1
14°	672.6	664.5	666.7	658.6	661.7
15°	584.0	585.2	579.3	581.2	579.8
17.5°	373.9	376.5	374.6	373.0	375.6
20°	216.2	216.0	216.7	214.6	212.7
22.5°	113.8	115.4	117.6	117.8	119.2
25°	66.3	67.8	69.9	68.9	66.6
27.5°	40.6	43.2	46.5	44.1	41.3
30°	25.5	27.6	31.6	27.9	26.2
32.5°	14.4	17.5	20.8	17.5	14.4
35°	7.8	10.2	13.2	9.9	7.8
37.5°	5.2	5.9	8.7	5.9	5.2
40°	3.3	4.0	5.4	4.0	3.3
42.5°	1.9	2.6	3.1	2.6	1.9
45°	1.2	1.4	2.1	1.7	1.2
47.5°	0.5	0.7	1.4	0.7	0.7
50°	0.5	0.5	0.9	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.5	0.5	0.5
60°	0.5	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
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)