

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: P1314322

Luminaire Tested: LDSQA3D05R309730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309730DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

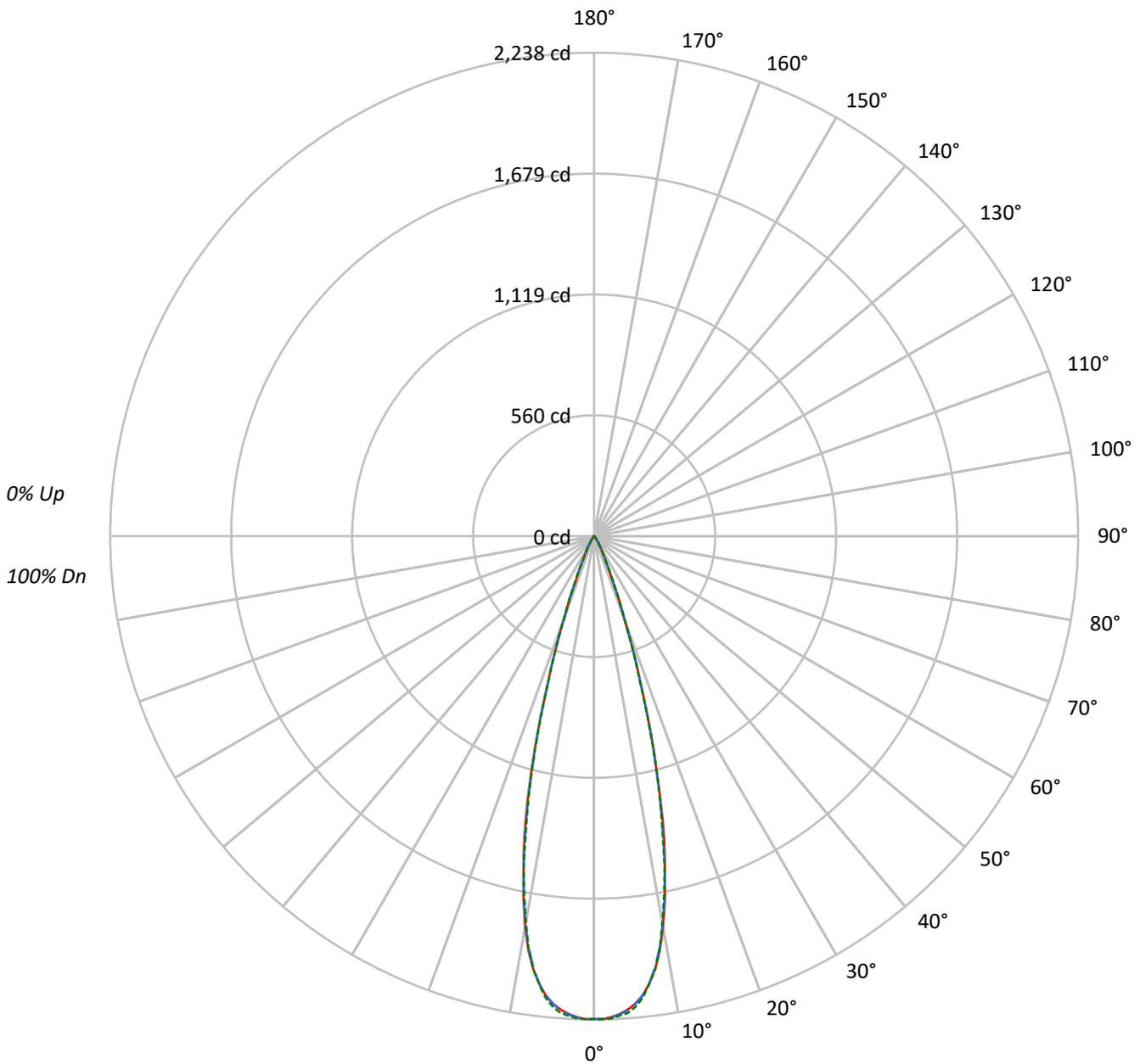
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 80.1 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): 7.2
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	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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	385107	385107	385107
5°	375721	376188	378280
10°	320904	319400	317529
15°	198036	195718	196431
20°	74850	75253	75180
25°	23031	25236	24038
30°	9287	11773	9645
35°	2733	5004	2838
40°	1102	2023	1102
45°	219	658	219
50°	0	107	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: 658 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	34.2
10°-20°	292.0	50.6
20°-30°	72.4	12.6
30°-40°	13.6	2.4
40°-50°	1.7	0.3
50°-60°	0.0	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°	561.7	97.3
0°-40°	575.3	99.7
0°-60°	577.0	100.0
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2173	2172	2176	2180	2188	197
15°	1111	1100	1098	1106	1102	293
25°	121	129	133	132	126	70
35°	13	17	24	18	14	11
45°	1	1	3	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°	2236.1	2236.1	2236.1	2236.1	2236.1
1°	2237.0	2235.2	2235.2	2232.6	2237.5
2°	2229.0	2227.2	2230.3	2228.1	2234.4
3°	2216.8	2214.6	2219.1	2220.4	2223.6
4°	2198.9	2197.1	2202.0	2204.7	2213.3
5°	2173.3	2172.4	2176.0	2179.6	2188.1
6°	2138.3	2137.0	2139.2	2143.7	2149.1
7°	2087.6	2084.9	2086.7	2087.6	2089.0
8°	2023.4	2019.4	2017.2	2022.1	2024.8
9°	1940.9	1936.4	1931.4	1929.6	1935.9
10°	1835.0	1828.2	1826.4	1821.9	1815.7
11°	1712.0	1706.6	1705.3	1697.2	1693.6
12°	1571.1	1568.4	1571.5	1566.6	1564.8
13°	1436.0	1419.0	1416.7	1407.3	1402.4
14°	1276.3	1260.6	1260.1	1255.2	1261.9
15°	1110.7	1099.9	1097.7	1106.2	1101.7
17.5°	708.1	715.3	713.5	709.0	701.4
20°	408.4	403.4	410.6	412.4	410.2
22.5°	217.6	219.4	220.8	226.2	229.8
25°	121.2	129.2	132.8	132.4	126.5
27.5°	75.4	80.3	87.1	82.6	77.6
30°	46.7	50.7	59.2	51.2	48.5
32.5°	25.1	31.9	38.1	31.9	26.0
35°	13.0	17.1	23.8	17.5	13.5
37.5°	8.5	9.9	15.3	9.9	8.5
40°	4.9	6.3	9.0	6.3	4.9
42.5°	2.2	3.6	4.9	3.6	2.2
45°	0.9	1.3	2.7	1.8	0.9
47.5°	0.0	0.4	1.3	0.4	0.0
50°	0.0	0.0	0.4	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)