

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: P1316268

Luminaire Tested: LDSQA3D05R309740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316268
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: LDSQA3D05R309740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

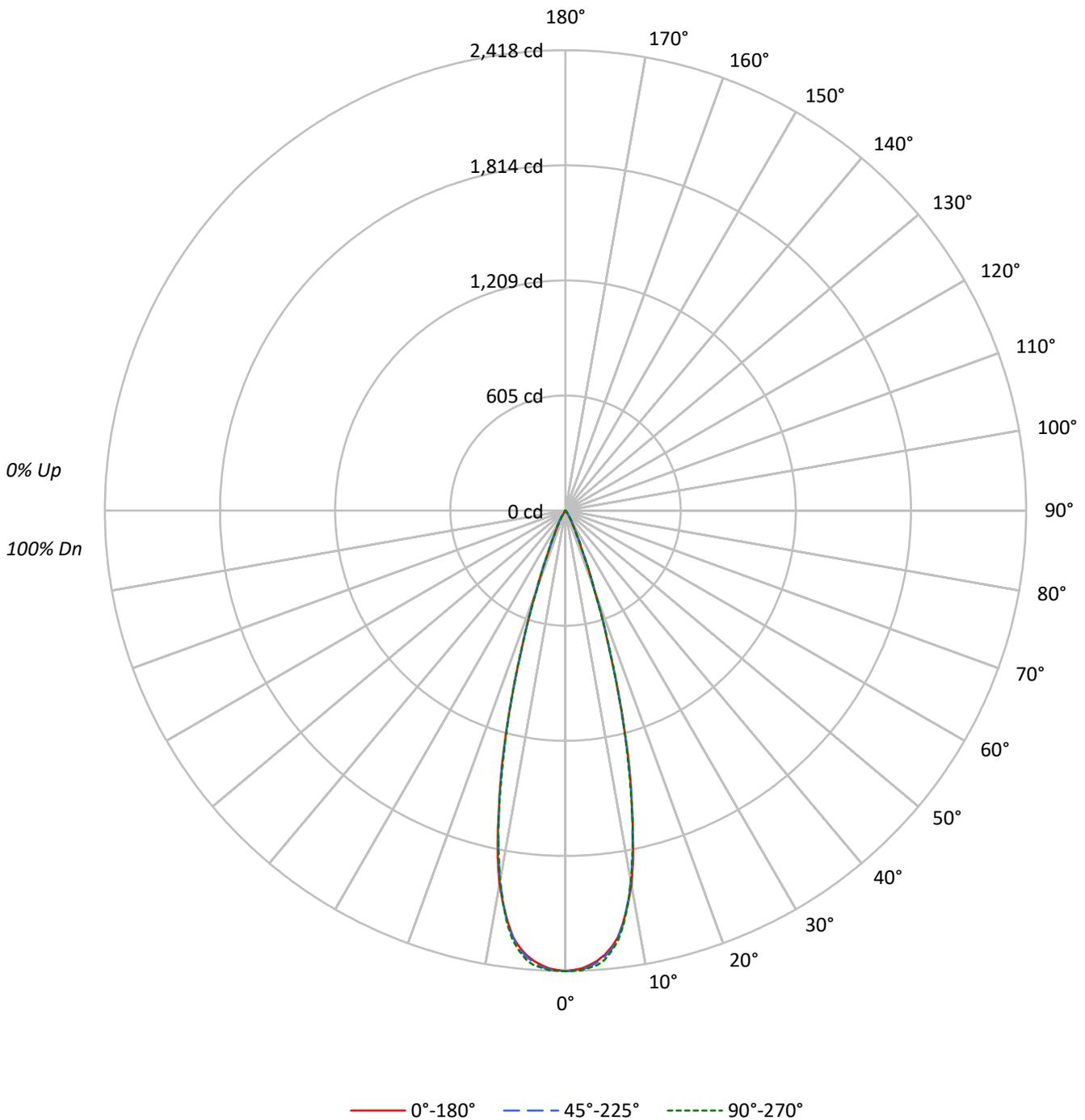
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.1 lumens
Efficiency: N/A
Efficacy: 87.4 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





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	416520	416520	416520
5°	405111	406874	409381
10°	348360	345387	345719
15°	214047	212317	212496
20°	81466	81649	80128
25°	25920	27288	25996
30°	10421	12926	10719
35°	3364	5719	3364
40°	1529	2518	1529
45°	585	1072	585
50°	268	509	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1072 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.3	33.9
10°-20°	316.5	50.3
20°-30°	78.6	12.5
30°-40°	15.7	2.5
40°-50°	2.9	0.5
50°-60°	0.9	0.1
60°-70°	0.7	0.1
70°-80°	0.5	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°	608.4	96.7
0°-40°	624.1	99.2
0°-60°	627.9	99.8
0°-90°	629.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2418	2418	2418	2418	2418	
5°	2343	2351	2354	2357	2368	213
15°	1200	1203	1191	1195	1192	318
25°	136	139	144	142	137	76
35°	16	21	27	20	16	13
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2418.5	2418.5	2418.5	2418.5	2418.5
1°	2413.2	2416.1	2418.0	2418.0	2418.0
2°	2406.4	2408.3	2411.2	2411.7	2415.6
3°	2390.4	2394.7	2399.6	2402.5	2404.4
4°	2370.9	2376.8	2379.7	2387.0	2393.3
5°	2343.3	2351.0	2353.5	2356.9	2368.0
6°	2305.9	2311.7	2316.6	2318.0	2324.8
7°	2256.4	2259.3	2258.4	2260.8	2272.9
8°	2181.2	2182.2	2190.4	2185.1	2193.3
9°	2091.9	2088.0	2086.1	2090.0	2090.5
10°	1992.0	1978.9	1975.0	1971.6	1976.9
11°	1862.4	1845.4	1846.9	1845.9	1838.1
12°	1701.3	1699.4	1686.7	1689.2	1700.8
13°	1536.8	1540.2	1537.8	1540.7	1527.6
14°	1382.5	1366.0	1370.4	1353.9	1360.2
15°	1200.5	1202.9	1190.8	1194.7	1191.8
17.5°	768.6	774.0	770.1	766.7	772.0
20°	444.5	444.0	445.5	441.1	437.2
22.5°	233.9	237.3	241.7	242.1	245.1
25°	136.4	139.3	143.6	141.7	136.8
27.5°	83.5	88.8	95.6	90.7	84.9
30°	52.4	56.8	65.0	57.3	53.9
32.5°	29.6	35.9	42.7	35.9	29.6
35°	16.0	20.9	27.2	20.4	16.0
37.5°	10.7	12.1	18.0	12.1	10.7
40°	6.8	8.2	11.2	8.2	6.8
42.5°	3.9	5.3	6.3	5.3	3.9
45°	2.4	2.9	4.4	3.4	2.4
47.5°	1.0	1.5	2.9	1.5	1.5
50°	1.0	1.0	1.9	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
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)