

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: P1320469

Luminaire Tested: LDSQA3D20R609840D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609840D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

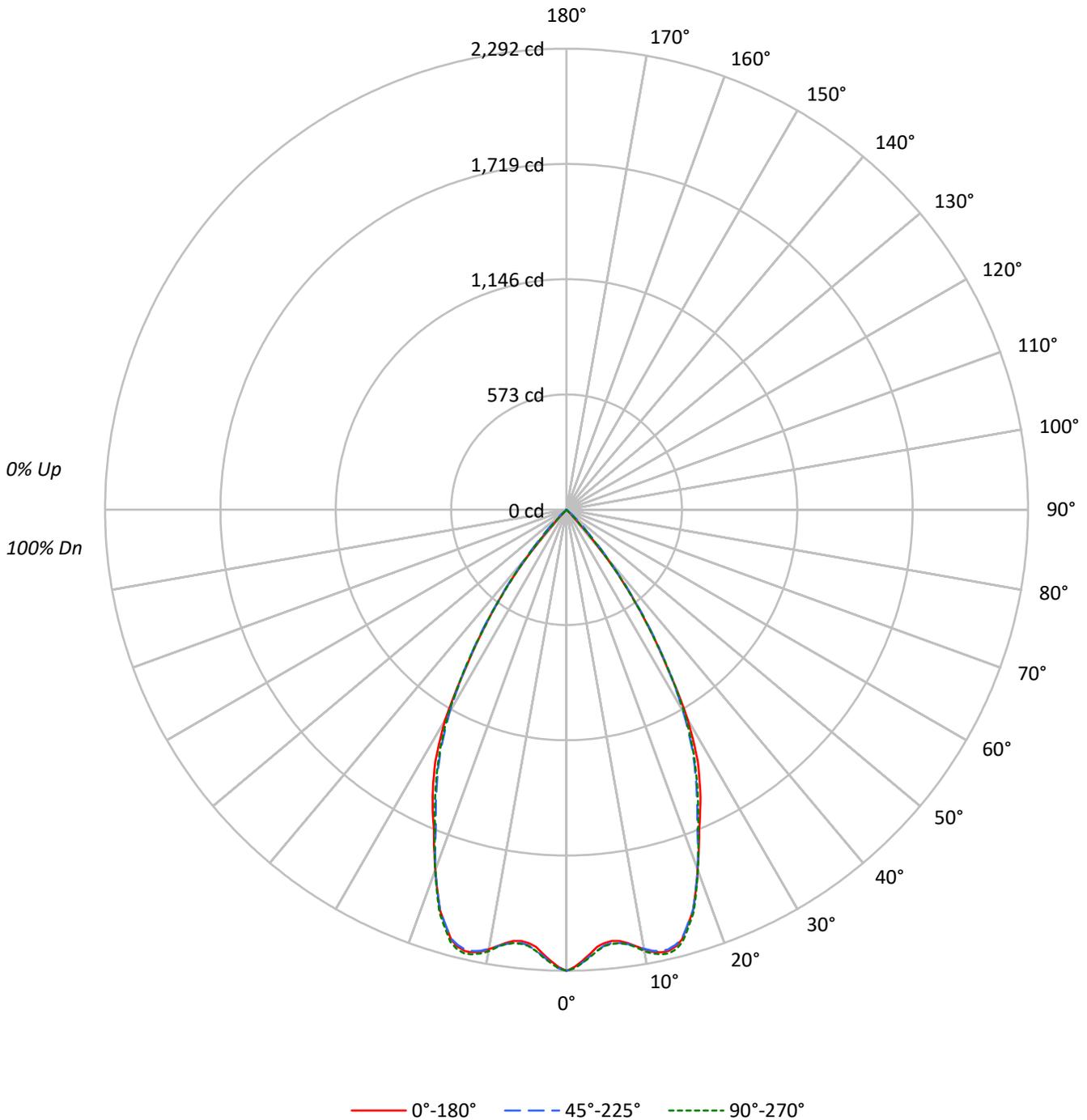
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2031.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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				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	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	394700	394700	394700
5°	373820	375773	376326
10°	388040	387480	389754
15°	394484	393896	396784
20°	349085	349085	349690
25°	299159	290228	292698
30°	239315	230624	234164
35°	148475	151545	148139
40°	65176	71740	66997
45°	779	23284	1973
50°	0	2599	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: 23284 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	10.3
10°-20°	606.7	29.9
20°-30°	704.4	34.7
30°-40°	443.6	21.8
40°-50°	66.6	3.3
50°-60°	0.3	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°	1520.5	74.9
0°-40°	1964.1	96.7
0°-60°	2031.0	100.0
0°-90°	2031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2292	2292	2292	2292	2292	
5°	2162	2170	2174	2178	2177	209
15°	2212	2204	2209	2224	2225	607
25°	1574	1556	1527	1534	1540	716
35°	706	708	721	706	705	441
45°	3	31	96	40	8	44
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°	2291.8	2291.8	2291.8	2291.8	2291.8
1°	2274.0	2280.5	2280.5	2282.1	2280.5
2°	2243.2	2253.0	2253.0	2257.8	2254.6
3°	2212.5	2220.6	2222.2	2228.7	2227.0
4°	2178.5	2191.4	2196.3	2199.5	2197.9
5°	2162.3	2170.4	2173.6	2178.5	2176.8
6°	2155.8	2162.3	2165.5	2170.4	2170.4
7°	2160.6	2165.5	2170.4	2173.6	2170.4
8°	2175.2	2180.1	2180.1	2186.6	2181.7
9°	2196.3	2197.9	2197.9	2206.0	2201.1
10°	2218.9	2215.7	2215.7	2227.0	2228.7
11°	2238.4	2235.1	2233.5	2244.9	2248.1
12°	2249.7	2243.2	2243.2	2257.8	2259.4
13°	2251.3	2243.2	2243.2	2257.8	2262.7
14°	2238.4	2228.7	2230.3	2246.5	2251.3
15°	2212.5	2204.4	2209.2	2223.8	2225.4
17.5°	2089.4	2084.5	2087.8	2097.5	2099.1
20°	1904.7	1901.5	1904.7	1904.7	1908.0
22.5°	1721.7	1713.6	1697.4	1707.1	1708.8
25°	1574.3	1556.5	1527.3	1533.8	1540.3
27.5°	1412.4	1389.7	1358.9	1367.0	1368.6
30°	1203.4	1192.1	1159.7	1167.8	1177.5
32.5°	929.7	960.5	941.0	939.4	941.0
35°	706.2	707.8	720.8	706.2	704.6
37.5°	494.0	495.6	505.3	489.1	490.8
40°	289.9	311.0	319.1	312.6	298.0
42.5°	90.7	160.3	181.4	157.1	100.4
45°	3.2	30.8	95.6	40.5	8.1
47.5°	0.0	1.6	45.4	3.2	0.0
50°	0.0	0.0	9.7	0.0	0.0
52.5°	0.0	0.0	1.6	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)