

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: P1319594

Luminaire Tested: LDSQA3D20R609835D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609835D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

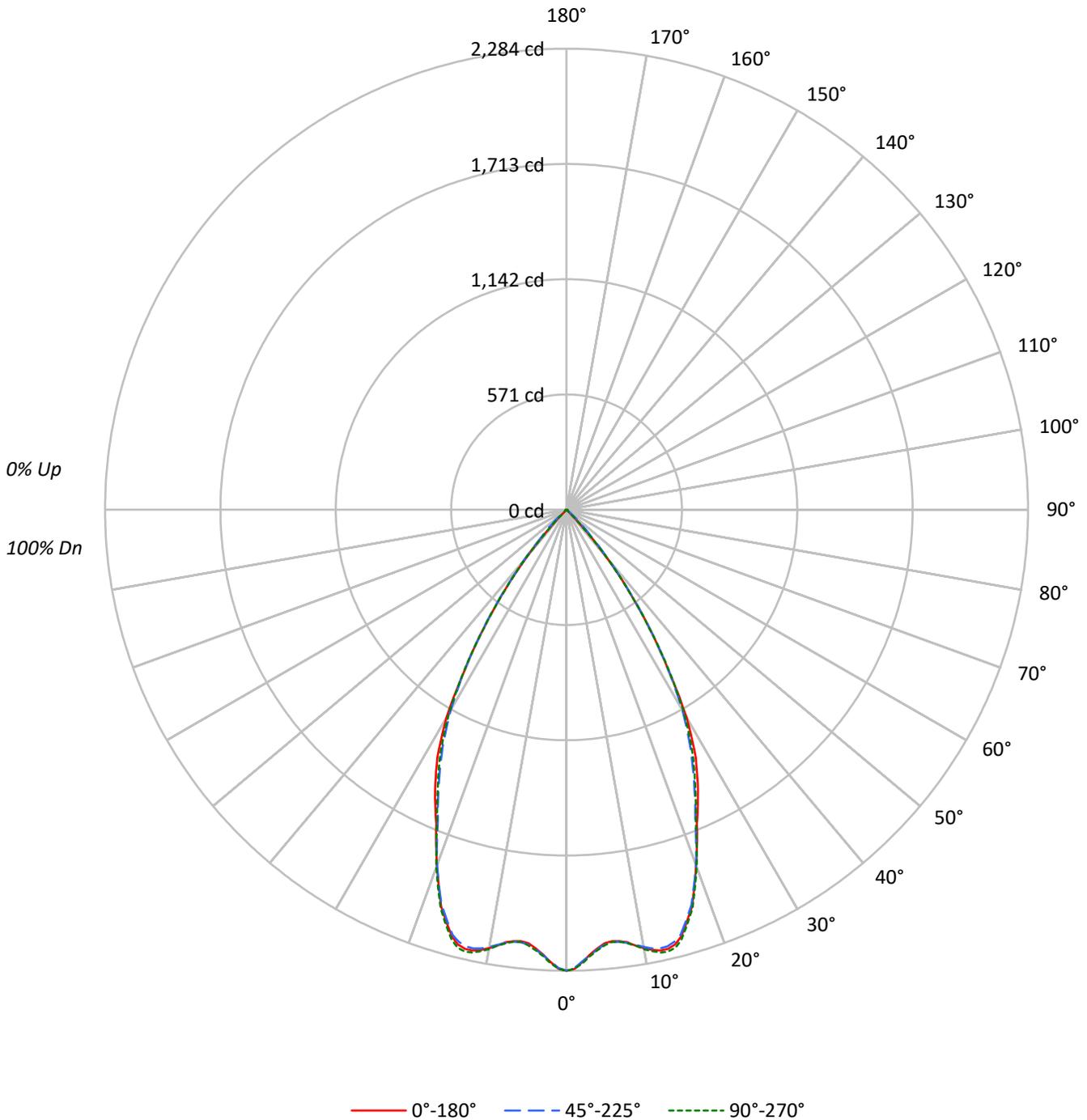
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2037.1 lumens  
Efficiency: N/A  
Efficacy: 74.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 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 (A<sub>in</sub>): 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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	393322	393322	393322
5°	372782	373871	374425
10°	385732	384612	386571
15°	390419	388725	392701
20°	343788	343495	345254
25°	292546	284071	286484
30°	236113	227880	231678
35°	149442	150788	149106
40°	69874	72729	70953
45°	4262	25622	5042
50°	2143	5975	2143
55°	2402	2402	2402
60°	2204	2204	2204
65°	1956	2608	1956
70°	2417	2417	2417
75°	2129	2129	2129
80°	1587	1587	1587
85°	3162	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 25622 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.1	10.2
10°-20°	599.5	29.4
20°-30°	691.0	33.9
30°-40°	443.7	21.8
40°-50°	77.2	3.8
50°-60°	7.4	0.4
60°-70°	5.6	0.3
70°-80°	3.4	0.2
80°-90°	1.1	0.1
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°	1498.6	73.6
0°-40°	1942.4	95.4
0°-60°	2027.0	99.5
0°-90°	2037.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2037.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2156	2161	2163	2167	2166	208
15°	2190	2182	2180	2194	2202	600
25°	1540	1522	1495	1496	1508	702
35°	711	706	717	703	709	444
45°	18	53	105	62	21	58
55°	8	8	8	8	8	7
65°	5	6	6	6	5	5
75°	3	3	3	3	3	3
85°	2	2	2	2	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2283.8	2283.8	2283.8	2283.8	2283.8
1°	2274.2	2272.6	2271.0	2272.6	2274.2
2°	2242.3	2240.7	2239.1	2245.5	2248.7
3°	2207.3	2208.9	2210.5	2213.6	2215.2
4°	2178.6	2181.8	2183.4	2186.6	2188.1
5°	2156.3	2161.1	2162.6	2167.4	2165.8
6°	2149.9	2153.1	2154.7	2156.3	2153.1
7°	2153.1	2154.7	2156.3	2159.5	2156.3
8°	2164.2	2165.8	2167.4	2169.0	2169.0
9°	2186.6	2183.4	2181.8	2188.1	2186.6
10°	2205.7	2200.9	2199.3	2208.9	2210.5
11°	2221.6	2215.2	2213.6	2224.8	2228.0
12°	2232.8	2223.2	2221.6	2236.0	2242.3
13°	2232.8	2220.0	2220.0	2236.0	2245.5
14°	2220.0	2205.7	2205.7	2223.2	2234.4
15°	2189.7	2181.8	2180.2	2194.5	2202.5
17.5°	2062.2	2052.7	2054.3	2070.2	2071.8
20°	1875.8	1871.0	1874.2	1877.4	1883.8
22.5°	1686.1	1682.9	1665.4	1670.2	1673.4
25°	1539.5	1522.0	1494.9	1496.5	1507.6
27.5°	1384.9	1367.4	1329.1	1337.1	1348.3
30°	1187.3	1173.0	1145.9	1150.6	1165.0
32.5°	932.3	961.0	935.5	943.5	938.7
35°	710.8	706.0	717.2	702.8	709.2
37.5°	500.4	502.0	506.8	494.0	494.0
40°	310.8	318.7	323.5	317.1	315.6
42.5°	130.7	178.5	188.1	178.5	132.3
45°	17.5	52.6	105.2	62.2	20.7
47.5°	8.0	11.2	55.8	11.2	8.0
50°	8.0	8.0	22.3	8.0	8.0
52.5°	8.0	8.0	8.0	8.0	8.0
55°	8.0	8.0	8.0	8.0	8.0
57.5°	8.0	8.0	8.0	8.0	8.0
60°	6.4	6.4	6.4	6.4	6.4
62.5°	6.4	6.4	6.4	6.4	6.4
65°	4.8	6.4	6.4	6.4	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)