

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: P1315994

Luminaire Tested: LDSQA3D20R609735D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

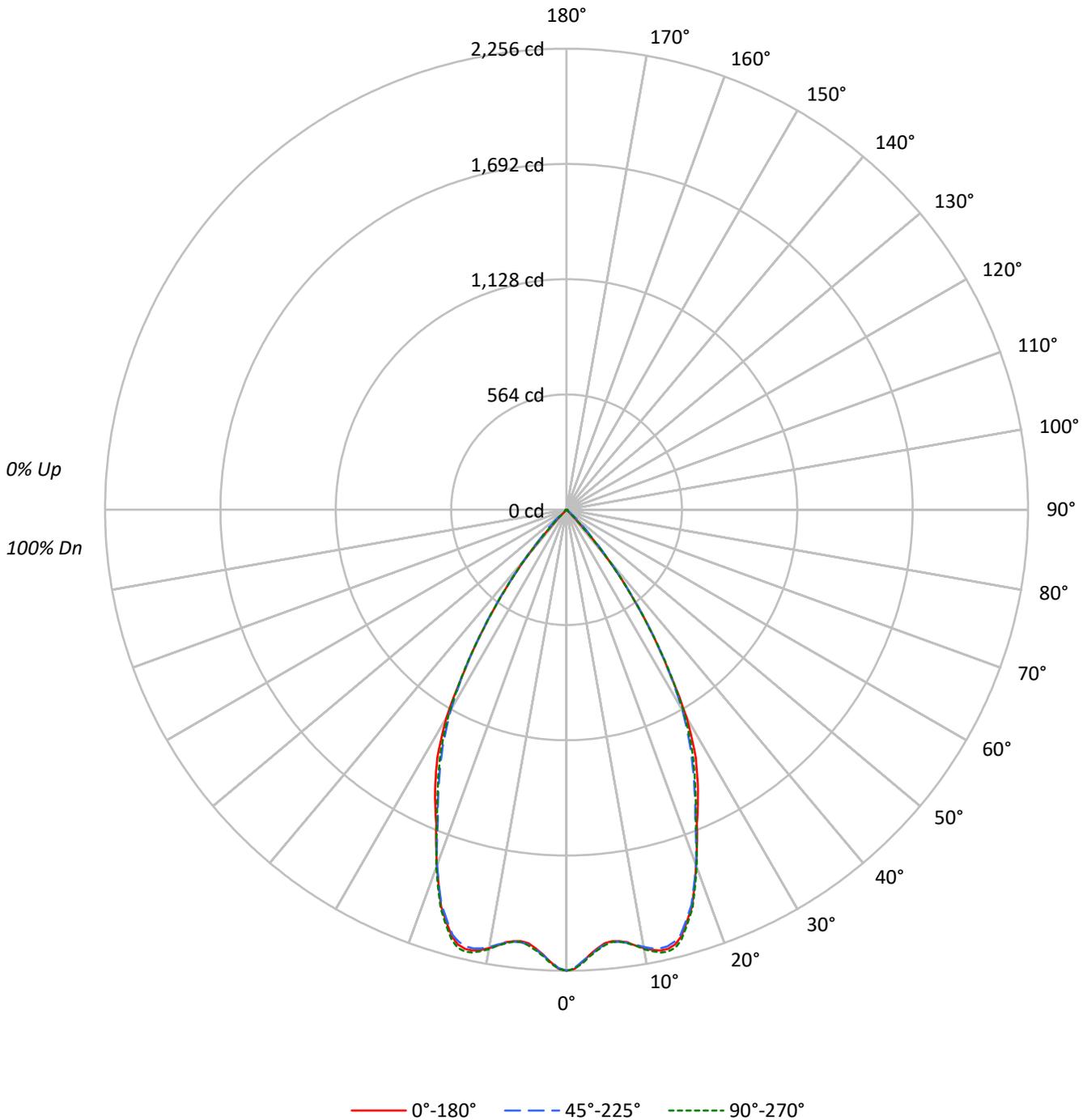
Test Method: LM-79-2019  
Report Number: P1315994  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609735D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2012.0 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	102	102	102	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	67	63	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	64	60	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	61	56	52

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

	0°	45°	90°
0°	388483	388483	388483
5°	368201	369290	369843
10°	380992	379891	381814
15°	385641	383947	387887
20°	339573	339280	341002
25°	288955	280574	282969
30°	233210	225076	228835
35°	147613	148938	147277
40°	69020	71853	70077
45°	4214	25306	4993
50°	2117	5894	2117
55°	2372	2372	2372
60°	2170	2170	2170
65°	1915	2567	1915
70°	2367	2367	2367
75°	2063	2063	2063
80°	1587	1587	1587
85°	3162	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 25306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.5	10.2
10°-20°	592.2	29.4
20°-30°	682.6	33.9
30°-40°	438.3	21.8
40°-50°	76.2	3.8
50°-60°	7.3	0.4
60°-70°	5.5	0.3
70°-80°	3.3	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°	1480.3	73.6
0°-40°	1918.6	95.4
0°-60°	2002.1	99.5
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2130	2134	2136	2141	2139	205
15°	2163	2155	2153	2168	2176	593
25°	1521	1503	1476	1478	1489	693
35°	702	697	708	694	700	438
45°	17	52	104	61	20	57
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°	2255.7	2255.7	2255.7	2255.7	2255.7
1°	2246.3	2244.7	2243.1	2244.7	2246.3
2°	2214.8	2213.2	2211.7	2218.0	2221.1
3°	2180.2	2181.8	2183.3	2186.5	2188.1
4°	2151.8	2155.0	2156.6	2159.7	2161.3
5°	2129.8	2134.5	2136.1	2140.8	2139.3
6°	2123.5	2126.7	2128.2	2129.8	2126.7
7°	2126.7	2128.2	2129.8	2133.0	2129.8
8°	2137.7	2139.3	2140.8	2142.4	2142.4
9°	2159.7	2156.6	2155.0	2161.3	2159.7
10°	2178.6	2173.9	2172.3	2181.8	2183.3
11°	2194.3	2188.1	2186.5	2197.5	2200.6
12°	2205.4	2195.9	2194.3	2208.5	2214.8
13°	2205.4	2192.8	2192.8	2208.5	2218.0
14°	2192.8	2178.6	2178.6	2195.9	2206.9
15°	2162.9	2155.0	2153.4	2167.6	2175.5
17.5°	2036.9	2027.5	2029.1	2044.8	2046.4
20°	1852.8	1848.0	1851.2	1854.3	1860.6
22.5°	1665.4	1662.3	1645.0	1649.7	1652.8
25°	1520.6	1503.3	1476.5	1478.1	1489.1
27.5°	1367.9	1350.6	1312.8	1320.7	1331.7
30°	1172.7	1158.6	1131.8	1136.5	1150.7
32.5°	920.9	949.2	924.0	931.9	927.2
35°	702.1	697.3	708.4	694.2	700.5
37.5°	494.3	495.9	500.6	488.0	488.0
40°	307.0	314.8	319.6	313.3	311.7
42.5°	129.1	176.3	185.7	176.3	130.7
45°	17.3	51.9	103.9	61.4	20.5
47.5°	7.9	11.0	55.1	11.0	7.9
50°	7.9	7.9	22.0	7.9	7.9
52.5°	7.9	7.9	7.9	7.9	7.9
55°	7.9	7.9	7.9	7.9	7.9
57.5°	7.9	7.9	7.9	7.9	7.9
60°	6.3	6.3	6.3	6.3	6.3
62.5°	6.3	6.3	6.3	6.3	6.3
65°	4.7	6.3	6.3	6.3	4.7
67.5°	4.7	4.7	4.7	4.7	4.7
70°	4.7	4.7	4.7	4.7	4.7
72.5°	3.1	3.1	3.1	3.1	3.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1
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)