

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: P1308501

Luminaire Tested: LDSQA3D20R609027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308501  
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: LDSQA3D20R609027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

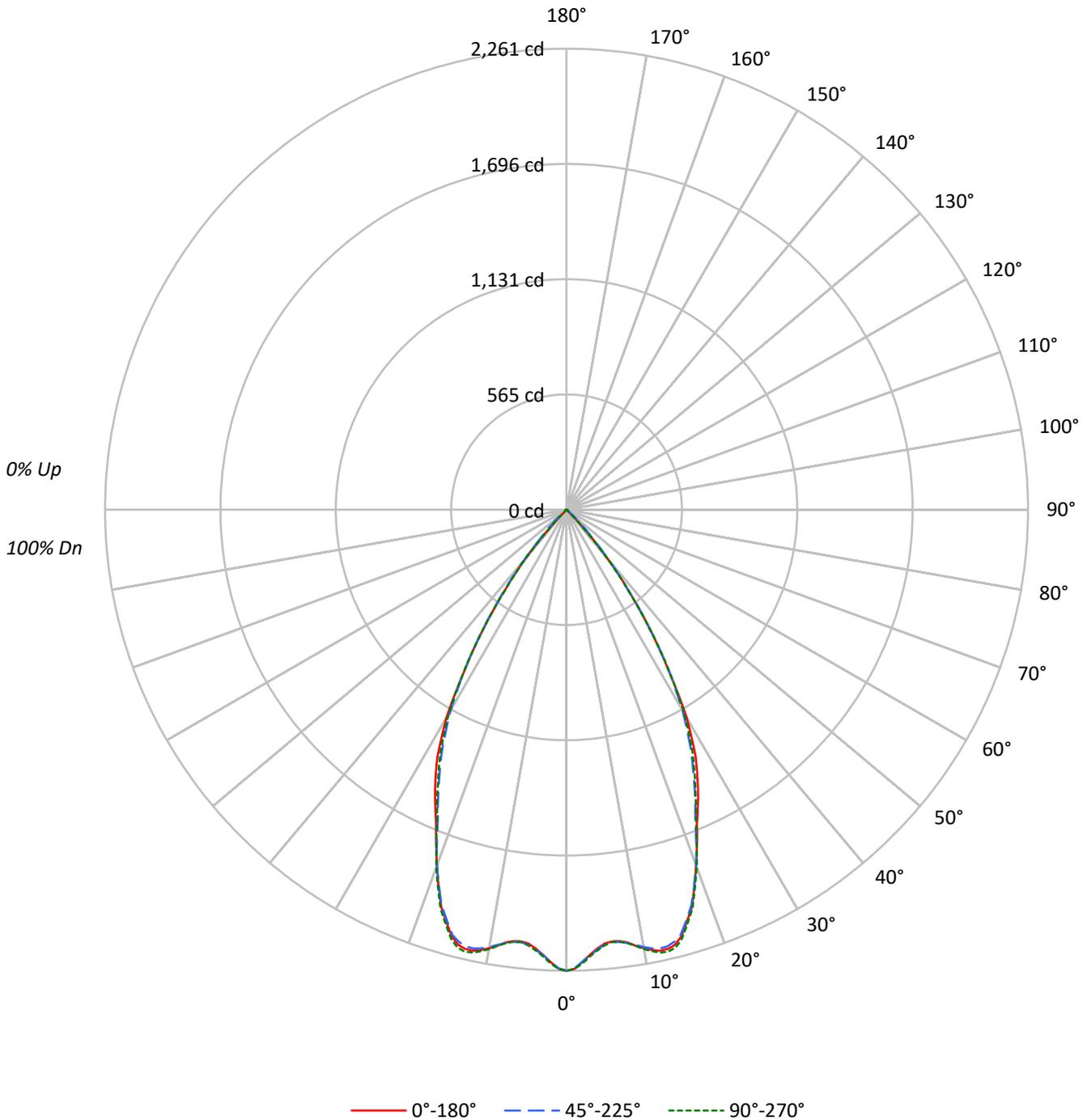
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2017.0 lumens  
Efficiency: N/A  
Efficacy: 70.0 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	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°	389447	389447	389447
5°	369117	370206	370760
10°	381937	380835	382776
15°	386586	384910	388850
20°	340416	340123	341864
25°	289677	281277	283672
30°	233786	225633	229411
35°	147970	149295	147634
40°	69177	72010	70256
45°	4238	25379	4993
50°	2117	5921	2117
55°	2372	2372	2372
60°	2170	2170	2170
65°	1915	2567	1915
70°	2367	2367	2367
75°	2129	2129	2129
80°	1587	1587	1587
85°	3162	3162	3162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 25379 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.1	10.2
10°-20°	593.6	29.4
20°-30°	684.3	33.9
30°-40°	439.4	21.8
40°-50°	76.4	3.8
50°-60°	7.3	0.4
60°-70°	5.5	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°	1483.9	73.6
0°-40°	1923.3	95.4
0°-60°	2007.0	99.5
0°-90°	2017.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2017.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2261	2261	2261	2261	2261	
5°	2135	2140	2141	2146	2145	206
15°	2168	2160	2159	2173	2181	594
25°	1524	1507	1480	1482	1493	695
35°	704	699	710	696	702	439
45°	17	52	104	62	20	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°	2261.3	2261.3	2261.3	2261.3	2261.3
1°	2251.9	2250.3	2248.7	2250.3	2251.9
2°	2220.3	2218.7	2217.2	2223.5	2226.6
3°	2185.6	2187.2	2188.8	2191.9	2193.5
4°	2157.2	2160.4	2161.9	2165.1	2166.7
5°	2135.1	2139.8	2141.4	2146.1	2144.6
6°	2128.8	2131.9	2133.5	2135.1	2131.9
7°	2131.9	2133.5	2135.1	2138.3	2135.1
8°	2143.0	2144.6	2146.1	2147.7	2147.7
9°	2165.1	2161.9	2160.4	2166.7	2165.1
10°	2184.0	2179.3	2177.7	2187.2	2188.8
11°	2199.8	2193.5	2191.9	2203.0	2206.1
12°	2210.8	2201.4	2199.8	2214.0	2220.3
13°	2210.8	2198.2	2198.2	2214.0	2223.5
14°	2198.2	2184.0	2184.0	2201.4	2212.4
15°	2168.2	2160.4	2158.8	2173.0	2180.9
17.5°	2042.0	2032.5	2034.1	2049.9	2051.5
20°	1857.4	1852.6	1855.8	1858.9	1865.3
22.5°	1669.6	1666.4	1649.1	1653.8	1657.0
25°	1524.4	1507.0	1480.2	1481.8	1492.8
27.5°	1371.3	1354.0	1316.1	1324.0	1335.0
30°	1175.6	1161.4	1134.6	1139.4	1153.6
32.5°	923.2	951.6	926.3	934.2	929.5
35°	703.8	699.1	710.1	695.9	702.2
37.5°	495.5	497.1	501.8	489.2	489.2
40°	307.7	315.6	320.3	314.0	312.5
42.5°	129.4	176.7	186.2	176.7	131.0
45°	17.4	52.1	104.2	61.5	20.5
47.5°	7.9	11.0	55.2	11.0	7.9
50°	7.9	7.9	22.1	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°	3.2	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)