

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: P1315021

Luminaire Tested: LDSQA3D20R609730D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

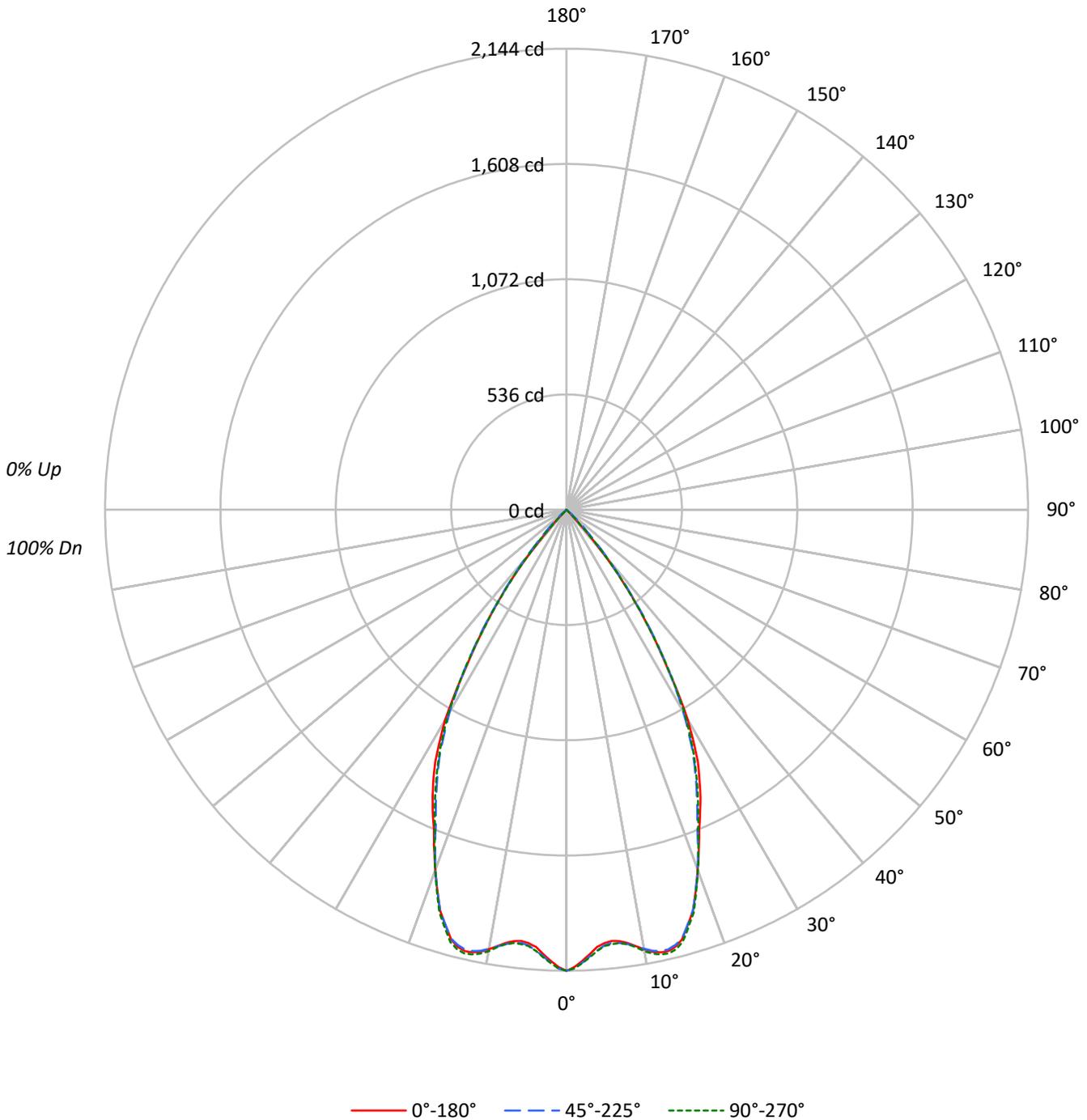
Test Method: LM-79-2019  
Report Number: P1315021  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609730D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1900.0 lumens  
Efficiency: N/A  
Efficacy: 66.0 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): 28.8  
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

TEST NUMBER: P1315021  
CATALOG NUMBER: LDSQA3D20R609730D010 3LSQCDR1MMS

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

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

	0°	45°	90°
0°	369245	369245	369245
5°	349703	351535	352054
10°	363015	362490	364606
15°	369041	368488	371199
20°	326579	326579	327128
25°	279871	271510	273828
30°	223883	215749	219070
35°	138888	141768	138572
40°	60971	67109	62680
45°	731	21774	1851
50°	0	2438	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: 21774 cd/sqm



TEST NUMBER: P1315021

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.8	10.3
10°-20°	567.6	29.9
20°-30°	659.0	34.7
30°-40°	415.0	21.8
40°-50°	62.3	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°	1422.4	74.9
0°-40°	1837.4	96.7
0°-60°	1900.0	100.0
0°-90°	1900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2144	2144	2144	2144	2144	
5°	2023	2030	2033	2038	2036	195
15°	2070	2062	2067	2080	2082	567
25°	1473	1456	1429	1435	1441	669
35°	661	662	674	661	659	412
45°	3	29	89	38	8	41
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°	2144.0	2144.0	2144.0	2144.0	2144.0
1°	2127.3	2133.4	2133.4	2134.9	2133.4
2°	2098.6	2107.6	2107.6	2112.2	2109.2
3°	2069.8	2077.3	2078.9	2084.9	2083.4
4°	2037.9	2050.1	2054.6	2057.6	2056.1
5°	2022.8	2030.4	2033.4	2037.9	2036.4
6°	2016.7	2022.8	2025.8	2030.4	2030.4
7°	2021.3	2025.8	2030.4	2033.4	2030.4
8°	2034.9	2039.5	2039.5	2045.5	2041.0
9°	2054.6	2056.1	2056.1	2063.7	2059.2
10°	2075.8	2072.8	2072.8	2083.4	2084.9
11°	2094.0	2091.0	2089.5	2100.1	2103.1
12°	2104.6	2098.6	2098.6	2112.2	2113.7
13°	2106.1	2098.6	2098.6	2112.2	2116.7
14°	2094.0	2084.9	2086.4	2101.6	2106.1
15°	2069.8	2062.2	2066.7	2080.4	2081.9
17.5°	1954.6	1950.1	1953.1	1962.2	1963.7
20°	1781.9	1778.8	1781.9	1781.9	1784.9
22.5°	1610.7	1603.1	1587.9	1597.0	1598.5
25°	1472.8	1456.1	1428.8	1434.9	1441.0
27.5°	1321.3	1300.0	1271.3	1278.8	1280.3
30°	1125.8	1115.2	1084.9	1092.5	1101.6
32.5°	869.7	898.5	880.3	878.8	880.3
35°	660.6	662.1	674.3	660.6	659.1
37.5°	462.1	463.7	472.7	457.6	459.1
40°	271.2	290.9	298.5	292.4	278.8
42.5°	84.9	150.0	169.7	147.0	93.9
45°	3.0	28.8	89.4	37.9	7.6
47.5°	0.0	1.5	42.4	3.0	0.0
50°	0.0	0.0	9.1	0.0	0.0
52.5°	0.0	0.0	1.5	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)