

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: P1327667

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

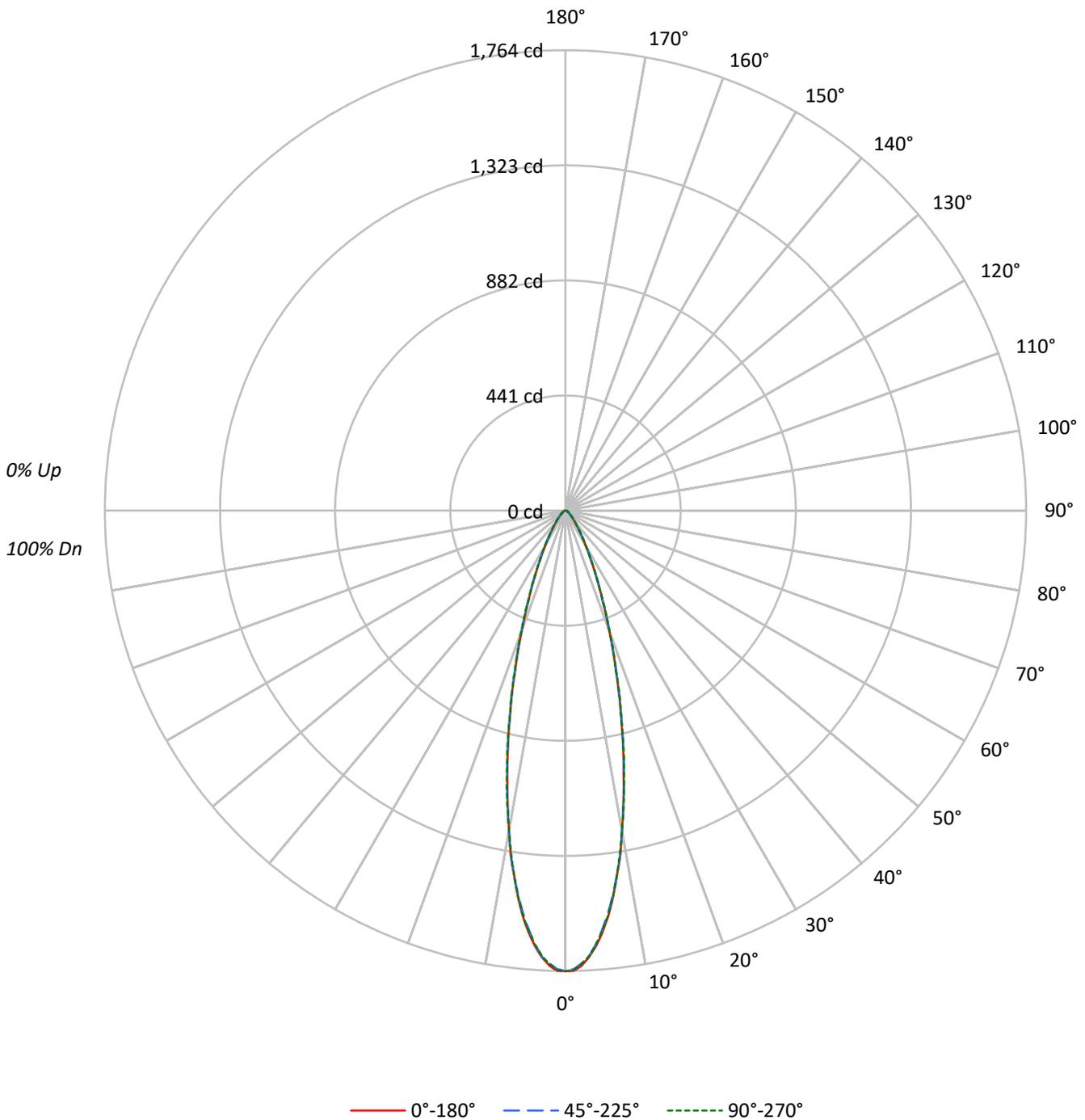
Test Method: LM-79-2019  
Report Number: P1327667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MB\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 620.0 lumens  
Efficiency: N/A  
Efficacy: 50.4 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 12.3  
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				
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	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	303852	303852	303852
5°	280308	278701	279652
10°	217533	217795	217795
15°	147025	147720	147720
20°	89292	90428	90850
25°	52371	53112	52960
30°	30546	31162	31321
35°	18670	19153	19153
40°	12140	12320	12500
45°	8452	8646	8841
50°	6216	6404	6404
55°	4864	5104	5104
60°	4271	4271	4512
65°	3790	3790	4075
70°	3474	3474	3474
75°	3061	3061	3061
80°	2281	2281	3075
85°	1581	1581	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8841 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.3	22.9
10°-20°	227.8	36.7
20°-30°	131.9	21.3
30°-40°	59.2	9.5
40°-50°	28.0	4.5
50°-60°	15.4	2.5
60°-70°	9.3	1.5
70°-80°	5.0	0.8
80°-90°	1.1	0.2
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°	502.0	81.0
0°-40°	561.2	90.5
0°-60°	604.6	97.5
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1764	1764	1764	1764	1764	
5°	1621	1616	1612	1615	1618	143
15°	825	825	828	825	828	227
25°	276	276	280	277	279	131
35°	89	90	91	92	91	58
45°	35	35	36	36	36	27
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	5	5	5	5	5	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1764.3	1764.3	1764.3	1764.3	1764.3
1°	1763.5	1758.8	1757.3	1755.8	1760.4
2°	1745.7	1740.3	1737.2	1738.8	1739.5
3°	1714.1	1711.0	1711.0	1708.7	1710.2
4°	1673.1	1667.0	1667.0	1667.7	1667.7
5°	1621.4	1616.0	1612.1	1615.2	1617.6
6°	1563.5	1556.6	1553.5	1554.2	1559.6
7°	1492.5	1483.2	1484.8	1488.6	1488.6
8°	1412.2	1411.4	1412.9	1411.4	1412.9
9°	1338.1	1327.2	1336.5	1328.8	1332.6
10°	1243.9	1243.1	1245.4	1247.7	1245.4
12.5°	1029.2	1033.1	1034.6	1031.5	1038.5
15°	824.6	824.6	828.5	824.6	828.5
17.5°	641.6	640.8	643.9	640.8	645.5
20°	487.2	492.6	493.4	493.4	495.7
22.5°	367.5	367.5	370.6	371.4	369.8
25°	275.6	275.6	279.5	277.2	278.7
27.5°	203.8	205.4	208.5	210.0	210.0
30°	153.6	154.4	156.7	157.5	157.5
32.5°	115.8	117.4	118.9	119.7	120.4
35°	88.8	89.6	91.1	91.9	91.1
37.5°	67.9	68.7	70.3	71.0	71.0
40°	54.0	54.0	54.8	55.6	55.6
42.5°	42.5	43.2	43.2	44.0	44.0
45°	34.7	34.7	35.5	35.5	36.3
47.5°	27.8	27.8	28.6	29.3	29.3
50°	23.2	23.2	23.9	23.9	23.9
52.5°	19.3	19.3	20.1	20.1	20.1
55°	16.2	16.2	17.0	17.0	17.0
57.5°	13.9	13.9	14.7	14.7	14.7
60°	12.4	12.4	12.4	12.4	13.1
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.3	9.3	9.3	9.3	10.0
67.5°	7.7	7.7	7.7	7.7	8.5
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.4	5.4	5.4	6.2	6.2
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.3	2.3	2.3	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)