

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: P1324370

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MB\_5000K

Issue Date: 1/29/2026

**Test Information**

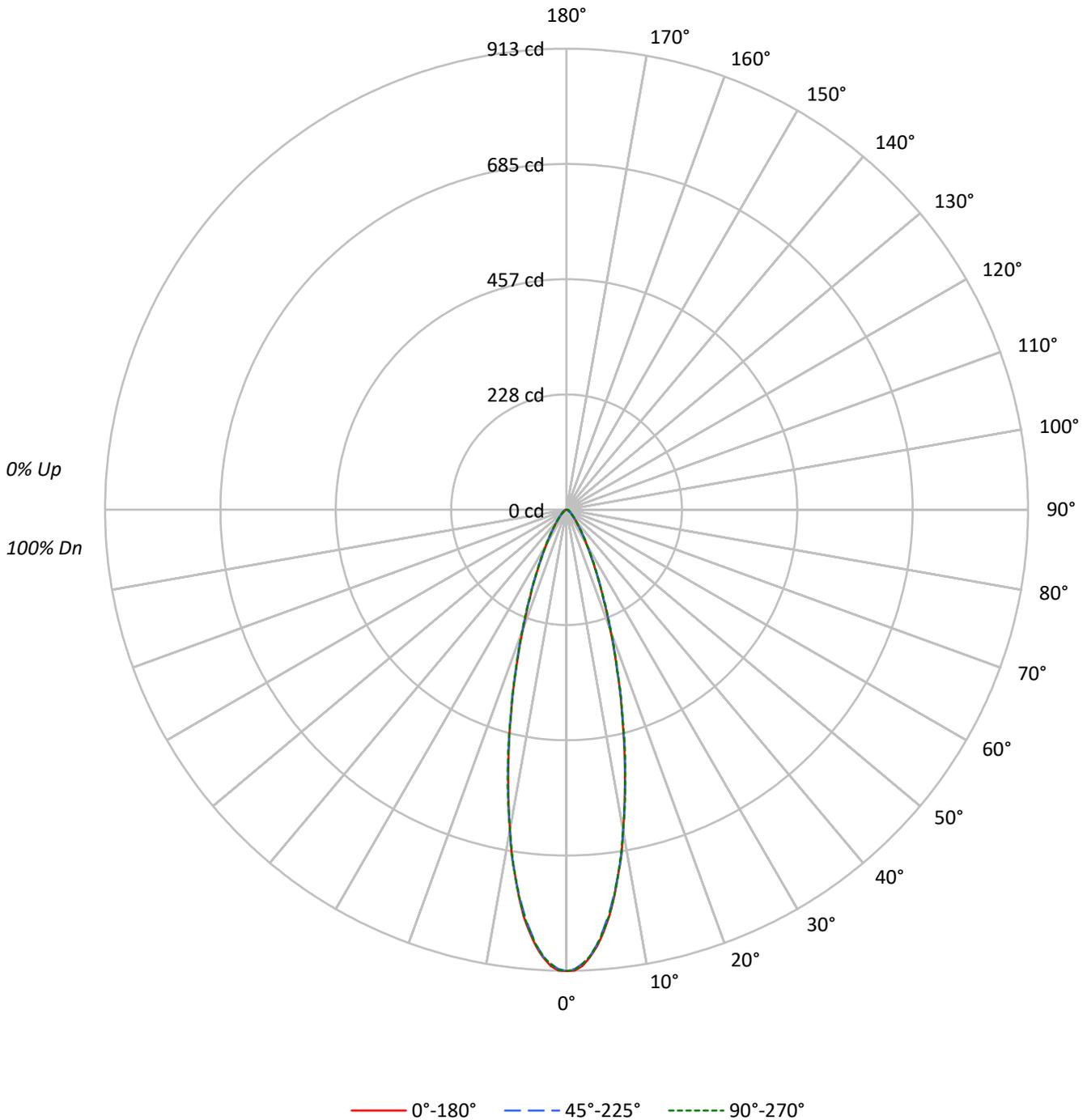
Test Method: LM-79-2019  
Report Number: P1324370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MB\_5000K  
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: 321.0 lumens  
Efficiency: N/A  
Efficacy: 54.4 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): 5.9  
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°	157308	157308	157308
5°	145133	144303	144787
10°	112622	112762	112762
15°	76115	76472	76472
20°	46222	46809	47028
25°	27117	27497	27421
30°	15830	16128	16208
35°	9671	9924	9924
40°	6295	6385	6475
45°	4384	4481	4579
50°	3215	3322	3322
55°	2522	2642	2642
60°	2204	2204	2342
65°	1956	1956	2119
70°	1813	1813	1813
75°	1597	1597	1597
80°	1190	1190	1587
85°	790	790	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4579 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	22.9
10°-20°	118.0	36.7
20°-30°	68.3	21.3
30°-40°	30.6	9.5
40°-50°	14.5	4.5
50°-60°	8.0	2.5
60°-70°	4.8	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	259.9	81.0
0°-40°	290.6	90.5
0°-60°	313.0	97.5
0°-90°	321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	913	913	913	913	913	
5°	840	837	835	836	838	74
15°	427	427	429	427	429	118
25°	143	143	145	144	144	68
35°	46	46	47	48	47	30
45°	18	18	18	18	19	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	913.4	913.4	913.4	913.4	913.4
1°	913.0	910.6	909.8	909.0	911.4
2°	903.8	901.0	899.4	900.2	900.6
3°	887.4	885.8	885.8	884.6	885.4
4°	866.3	863.1	863.1	863.5	863.5
5°	839.5	836.7	834.7	836.3	837.5
6°	809.5	805.9	804.3	804.7	807.5
7°	772.7	767.9	768.7	770.7	770.7
8°	731.1	730.7	731.5	730.7	731.5
9°	692.8	687.2	692.0	688.0	690.0
10°	644.0	643.6	644.8	646.0	644.8
12.5°	532.9	534.9	535.7	534.1	537.7
15°	426.9	426.9	428.9	426.9	428.9
17.5°	332.2	331.8	333.4	331.8	334.2
20°	252.2	255.0	255.4	255.4	256.6
22.5°	190.3	190.3	191.9	192.3	191.5
25°	142.7	142.7	144.7	143.5	144.3
27.5°	105.5	106.3	107.9	108.7	108.7
30°	79.6	79.9	81.1	81.5	81.5
32.5°	60.0	60.8	61.6	62.0	62.4
35°	46.0	46.4	47.2	47.6	47.2
37.5°	35.2	35.6	36.4	36.8	36.8
40°	28.0	28.0	28.4	28.8	28.8
42.5°	22.0	22.4	22.4	22.8	22.8
45°	18.0	18.0	18.4	18.4	18.8
47.5°	14.4	14.4	14.8	15.2	15.2
50°	12.0	12.0	12.4	12.4	12.4
52.5°	10.0	10.0	10.4	10.4	10.4
55°	8.4	8.4	8.8	8.8	8.8
57.5°	7.2	7.2	7.6	7.6	7.6
60°	6.4	6.4	6.4	6.4	6.8
62.5°	5.6	5.6	5.6	5.6	5.6
65°	4.8	4.8	4.8	4.8	5.2
67.5°	4.0	4.0	4.0	4.0	4.4
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.8	2.8	2.8	3.2	3.2
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.2	1.2	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)