

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: P1311128

Luminaire Tested: LDSQA3D05R209040DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

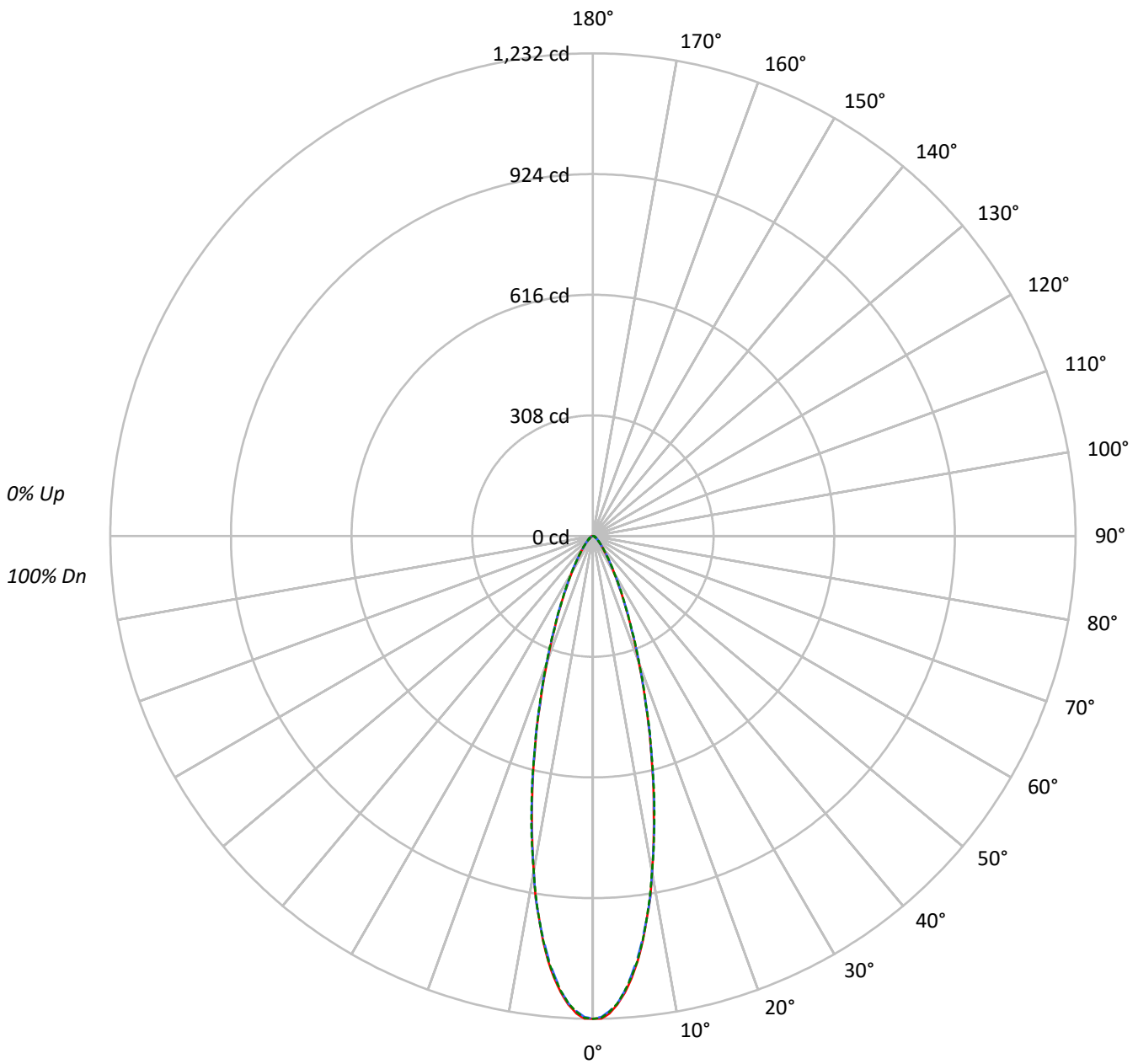
Test Method: LM-79-2019  
Report Number: P1311128  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209040DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 433.0 lumens  
Efficiency: N/A  
Efficacy: 60.1 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): 7.2  
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



— 0°-180°    - - 45°-225°    - · - · 90°-270°



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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°	212196	212196	212196
5°	195770	194646	195303
10°	151918	152110	152110
15°	102682	103163	103163
20°	62369	63157	63450
25°	36580	37093	36998
30°	21338	21776	21875
35°	13035	13372	13372
40°	8476	8611	8723
45°	5918	6040	6162
50°	4340	4474	4474
55°	3393	3573	3573
60°	2962	2962	3169
65°	2649	2649	2853
70°	2467	2467	2467
75°	2129	2129	2129
80°	1587	1587	2182
85°	988	988	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 6162 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.4	22.9
10°-20°	159.1	36.7
20°-30°	92.1	21.3
30°-40°	41.3	9.5
40°-50°	19.6	4.5
50°-60°	10.7	2.5
60°-70°	6.5	1.5
70°-80°	3.5	0.8
80°-90°	0.8	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°	350.6	81.0
0°-40°	391.9	90.5
0°-60°	422.2	97.5
0°-90°	433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1132	1129	1126	1128	1130	100
15°	576	576	579	576	579	159
25°	192	192	195	194	195	91
35°	62	63	64	64	64	40
45°	24	24	25	25	25	19
55°	11	11	12	12	12	10
65°	6	6	6	6	7	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1232.1	1232.1	1232.1	1232.1	1232.1
1°	1231.6	1228.4	1227.3	1226.2	1229.4
2°	1219.2	1215.4	1213.3	1214.3	1214.9
3°	1197.1	1194.9	1194.9	1193.3	1194.4
4°	1168.5	1164.2	1164.2	1164.7	1164.7
5°	1132.4	1128.6	1125.9	1128.1	1129.7
6°	1091.9	1087.1	1084.9	1085.5	1089.2
7°	1042.3	1035.9	1036.9	1039.6	1039.6
8°	986.2	985.7	986.8	985.7	986.8
9°	934.5	926.9	933.4	928.0	930.7
10°	868.7	868.2	869.8	871.4	869.8
12.5°	718.8	721.5	722.6	720.4	725.3
15°	575.9	575.9	578.6	575.9	578.6
17.5°	448.1	447.6	449.7	447.6	450.8
20°	340.3	344.0	344.6	344.6	346.2
22.5°	256.7	256.7	258.8	259.4	258.3
25°	192.5	192.5	195.2	193.6	194.7
27.5°	142.4	143.4	145.6	146.7	146.7
30°	107.3	107.8	109.5	110.0	110.0
32.5°	80.9	82.0	83.0	83.6	84.1
35°	62.0	62.6	63.6	64.2	63.6
37.5°	47.5	48.0	49.1	49.6	49.6
40°	37.7	37.7	38.3	38.8	38.8
42.5°	29.7	30.2	30.2	30.7	30.7
45°	24.3	24.3	24.8	24.8	25.3
47.5°	19.4	19.4	20.0	20.5	20.5
50°	16.2	16.2	16.7	16.7	16.7
52.5°	13.5	13.5	14.0	14.0	14.0
55°	11.3	11.3	11.9	11.9	11.9
57.5°	9.7	9.7	10.2	10.2	10.2
60°	8.6	8.6	8.6	8.6	9.2
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.5	6.5	6.5	6.5	7.0
67.5°	5.4	5.4	5.4	5.4	5.9
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.8	3.8	3.8	4.3	4.3
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.6	1.6	1.6	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)