

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: P1309997

Luminaire Tested: LDSQA3D05R159035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309997  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159035DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

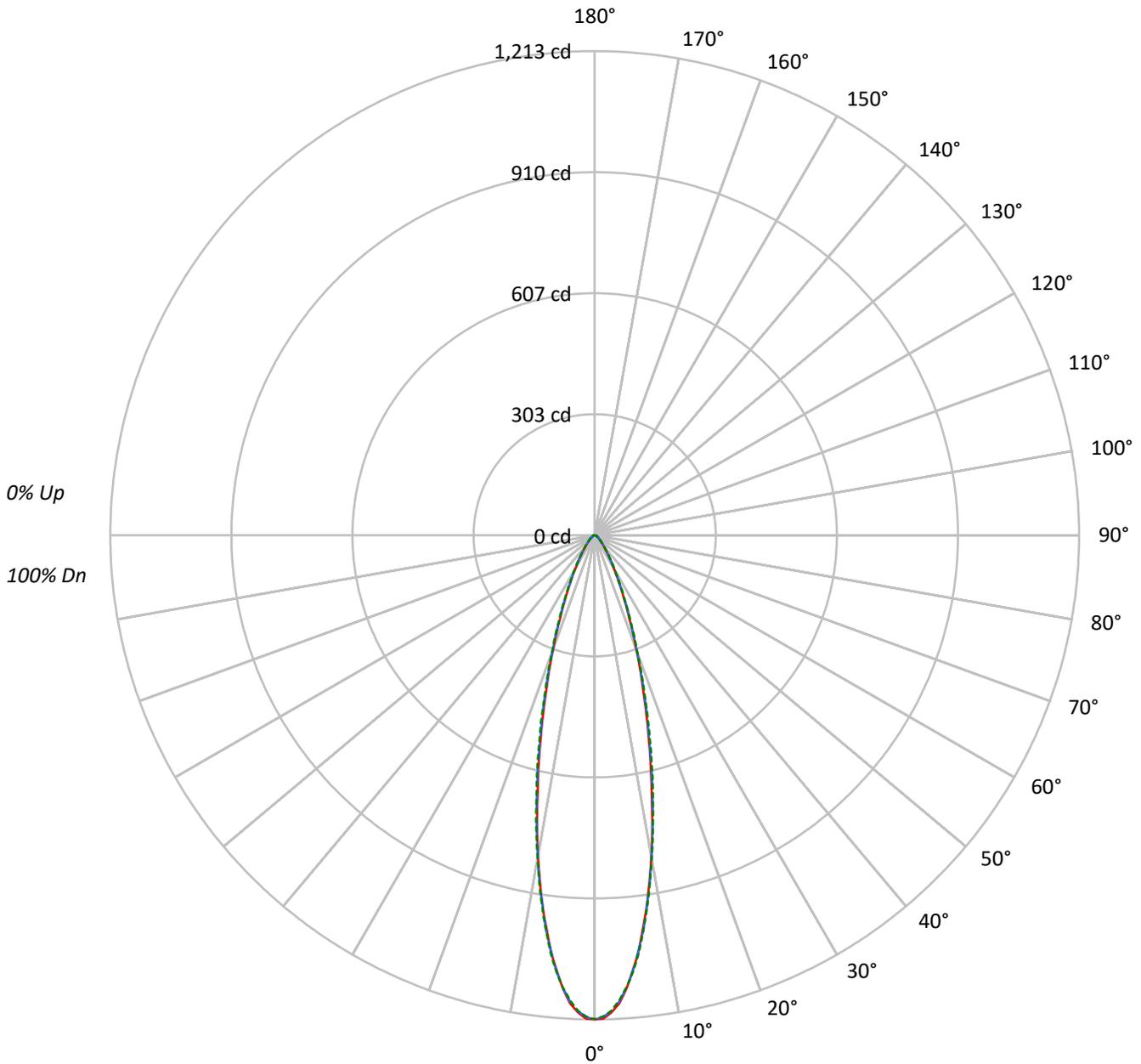
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 401.0 lumens  
Efficiency: N/A  
Efficacy: 55.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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				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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69	69	69	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64	64	64	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61	61

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

	0°	45°	90°
0°	208837	208837	208837
5°	189166	189512	189788
10°	142807	143174	143891
15°	92626	93642	95479
20°	55771	56431	57182
25°	32590	33274	33749
30°	19151	19767	20066
35°	11795	12236	12447
40°	7756	7981	8094
45°	5383	5529	5651
50°	3992	4126	4287
55°	3243	3393	3393
60°	2824	2824	2824
65°	2527	2527	2527
70°	2065	2316	2316
75°	2063	2063	2063
80°	1488	2083	2083
85°	988	988	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 5651 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.5	23.8
10°-20°	146.0	36.4
20°-30°	83.0	20.7
30°-40°	37.9	9.4
40°-50°	18.2	4.5
50°-60°	10.2	2.5
60°-70°	6.2	1.5
70°-80°	3.3	0.8
80°-90°	0.7	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°	324.6	80.9
0°-40°	362.4	90.4
0°-60°	390.8	97.5
0°-90°	401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1094	1094	1096	1096	1098	95
15°	520	522	525	532	536	144
25°	172	172	175	177	178	81
35°	56	57	58	59	59	37
45°	22	22	23	23	23	18
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1212.6	1212.6	1212.6	1212.6	1212.6
1°	1211.6	1208.5	1207.4	1206.9	1205.9
2°	1196.1	1193.5	1193.0	1193.0	1192.5
3°	1174.5	1169.9	1170.4	1168.8	1167.3
4°	1137.9	1135.9	1136.9	1137.9	1135.9
5°	1094.2	1093.7	1096.2	1096.2	1097.8
6°	1048.9	1048.3	1046.8	1050.9	1053.0
7°	991.2	994.3	998.4	996.3	997.9
8°	938.7	935.1	936.6	941.8	942.3
9°	876.9	874.3	881.0	883.1	883.6
10°	816.6	819.2	818.7	825.9	822.8
12.5°	659.6	663.7	668.3	671.4	674.5
15°	519.5	522.1	525.2	532.4	535.5
17.5°	399.6	402.7	405.7	411.9	413.0
20°	304.3	305.9	307.9	313.6	312.0
22.5°	227.6	230.2	232.2	234.8	236.3
25°	171.5	171.5	175.1	176.6	177.6
27.5°	127.7	128.7	131.3	133.4	132.8
30°	96.3	97.8	99.4	100.4	100.9
32.5°	74.1	74.1	75.7	77.2	77.8
35°	56.1	57.2	58.2	59.2	59.2
37.5°	43.8	44.3	45.3	45.8	45.8
40°	34.5	34.5	35.5	36.0	36.0
42.5°	27.3	27.8	28.3	28.8	28.8
45°	22.1	22.1	22.7	23.2	23.2
47.5°	18.0	18.0	18.5	19.1	19.1
50°	14.9	15.4	15.4	16.0	16.0
52.5°	12.9	12.9	12.9	13.4	13.4
55°	10.8	10.8	11.3	11.3	11.3
57.5°	9.3	9.3	9.3	9.8	9.8
60°	8.2	8.2	8.2	8.2	8.2
62.5°	7.2	7.2	7.2	7.2	7.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	5.1	5.1	5.1	5.7	5.7
70°	4.1	4.6	4.6	4.6	4.6
72.5°	3.6	3.6	3.6	3.6	3.6
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.5	2.1	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)