

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: P1320177

Luminaire Tested: LDSQA3D13R609840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320177  
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: LDSQA3D13R609840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

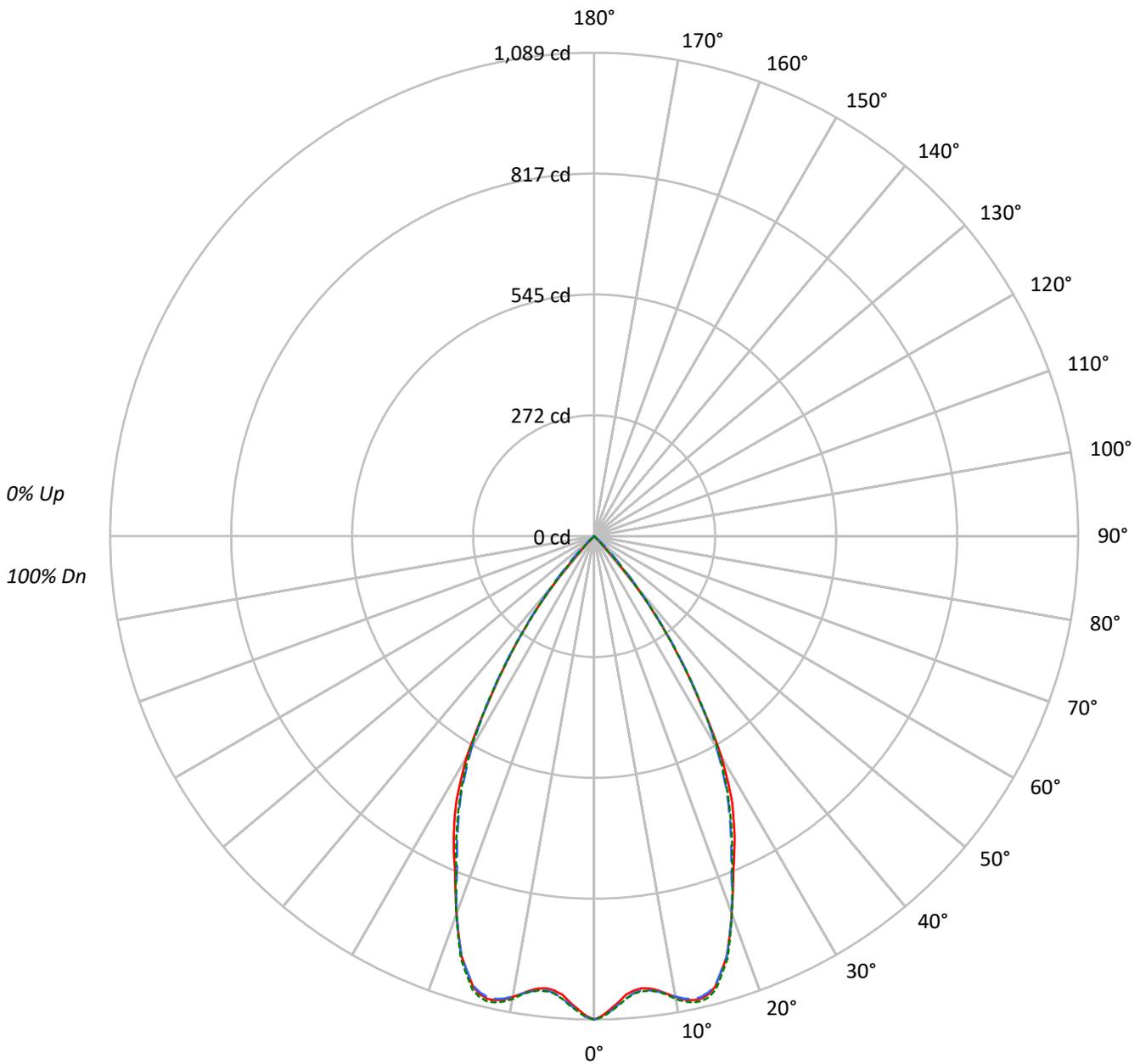
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 965.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 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): 14.5  
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



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

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

	0°	45°	90°
0°	187533	187533	187533
5°	177617	178551	178810
10°	184375	184113	185180
15°	187427	187159	188532
20°	165864	165864	166139
25°	142140	137902	139081
30°	113711	109575	111265
35°	70537	72009	70390
40°	30980	34083	31835
45°	365	11058	926
50°	0	1232	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: 11058 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.5	10.3
10°-20°	288.3	29.9
20°-30°	334.7	34.7
30°-40°	210.8	21.8
40°-50°	31.6	3.3
50°-60°	0.2	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°	722.4	74.9
0°-40°	933.2	96.7
0°-60°	965.0	100.0
0°-90°	965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1027	1031	1033	1035	1034	99
15°	1051	1047	1050	1057	1057	288
25°	748	740	726	729	732	340
35°	336	336	342	336	335	209
45°	2	15	45	19	4	21
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°	1088.9	1088.9	1088.9	1088.9	1088.9
1°	1080.5	1083.5	1083.5	1084.3	1083.5
2°	1065.8	1070.5	1070.5	1072.8	1071.2
3°	1051.2	1055.1	1055.8	1058.9	1058.1
4°	1035.1	1041.2	1043.5	1045.1	1044.3
5°	1027.4	1031.2	1032.8	1035.1	1034.3
6°	1024.3	1027.4	1028.9	1031.2	1031.2
7°	1026.6	1028.9	1031.2	1032.8	1031.2
8°	1033.5	1035.8	1035.8	1038.9	1036.6
9°	1043.5	1044.3	1044.3	1048.1	1045.8
10°	1054.3	1052.8	1052.8	1058.1	1058.9
11°	1063.5	1062.0	1061.2	1066.6	1068.2
12°	1068.9	1065.8	1065.8	1072.8	1073.5
13°	1069.7	1065.8	1065.8	1072.8	1075.1
14°	1063.5	1058.9	1059.7	1067.4	1069.7
15°	1051.2	1047.4	1049.7	1056.6	1057.4
17.5°	992.7	990.4	992.0	996.6	997.4
20°	905.0	903.5	905.0	905.0	906.5
22.5°	818.0	814.2	806.5	811.1	811.9
25°	748.0	739.5	725.7	728.8	731.9
27.5°	671.1	660.3	645.7	649.5	650.3
30°	571.8	566.4	551.0	554.9	559.5
32.5°	441.7	456.4	447.1	446.3	447.1
35°	335.5	336.3	342.5	335.5	334.8
37.5°	234.7	235.5	240.1	232.4	233.2
40°	137.8	147.8	151.6	148.5	141.6
42.5°	43.1	76.2	86.2	74.6	47.7
45°	1.5	14.6	45.4	19.2	3.8
47.5°	0.0	0.8	21.5	1.5	0.0
50°	0.0	0.0	4.6	0.0	0.0
52.5°	0.0	0.0	0.8	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)