

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: P1312460

Luminaire Tested: LDSQA3D09R609050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312460
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: LDSQA3D09R609050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

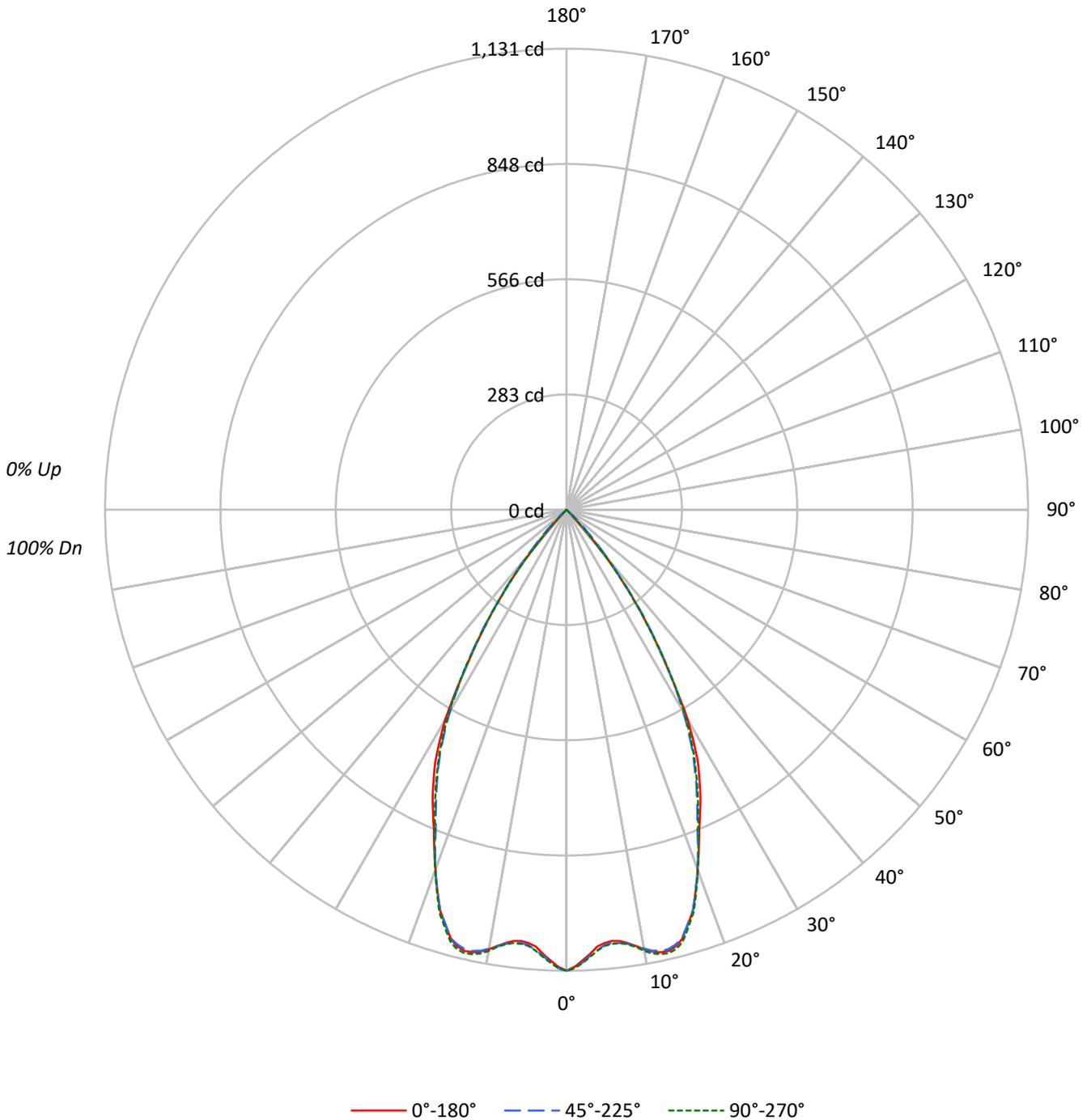
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1002.0 lumens
Efficiency: N/A
Efficacy: 90.3 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): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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				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	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°	194732	194732	194732
5°	184429	185397	185656
10°	191441	191161	192280
15°	194612	194327	195753
20°	172224	172224	172517
25°	147594	143185	144401
30°	118066	113771	115521
35°	73249	74763	73081
40°	32149	35387	33049
45°	390	11472	974
50°	0	1286	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: 11472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	10.3
10°-20°	299.3	29.9
20°-30°	347.5	34.7
30°-40°	218.8	21.8
40°-50°	32.9	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°	750.1	74.9
0°-40°	969.0	96.7
0°-60°	1002.0	100.0
0°-90°	1002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1067	1071	1072	1075	1074	103
15°	1092	1088	1090	1097	1098	299
25°	777	768	754	757	760	353
35°	348	349	356	348	348	217
45°	2	15	47	20	4	22
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°	1130.7	1130.7	1130.7	1130.7	1130.7
1°	1121.9	1125.1	1125.1	1125.9	1125.1
2°	1106.7	1111.5	1111.5	1113.9	1112.3
3°	1091.5	1095.5	1096.3	1099.5	1098.7
4°	1074.7	1081.1	1083.5	1085.1	1084.3
5°	1066.8	1070.8	1072.4	1074.7	1073.9
6°	1063.6	1066.8	1068.4	1070.8	1070.8
7°	1066.0	1068.4	1070.8	1072.4	1070.8
8°	1073.1	1075.5	1075.5	1078.7	1076.3
9°	1083.5	1084.3	1084.3	1088.3	1085.9
10°	1094.7	1093.1	1093.1	1098.7	1099.5
11°	1104.3	1102.7	1101.9	1107.5	1109.1
12°	1109.9	1106.7	1106.7	1113.9	1114.7
13°	1110.7	1106.7	1106.7	1113.9	1116.3
14°	1104.3	1099.5	1100.3	1108.3	1110.7
15°	1091.5	1087.5	1089.9	1097.1	1097.9
17.5°	1030.8	1028.4	1030.0	1034.8	1035.6
20°	939.7	938.1	939.7	939.7	941.3
22.5°	849.4	845.4	837.4	842.2	843.0
25°	776.7	767.9	753.5	756.7	759.9
27.5°	696.8	685.6	670.4	674.4	675.2
30°	593.7	588.1	572.1	576.1	580.9
32.5°	458.7	473.8	464.3	463.5	464.3
35°	348.4	349.2	355.6	348.4	347.6
37.5°	243.7	244.5	249.3	241.3	242.1
40°	143.0	153.4	157.4	154.2	147.0
42.5°	44.7	79.1	89.5	77.5	49.5
45°	1.6	15.2	47.1	20.0	4.0
47.5°	0.0	0.8	22.4	1.6	0.0
50°	0.0	0.0	4.8	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)