

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: P1310043

Luminaire Tested: LDSQA3D05R309035DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309035DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

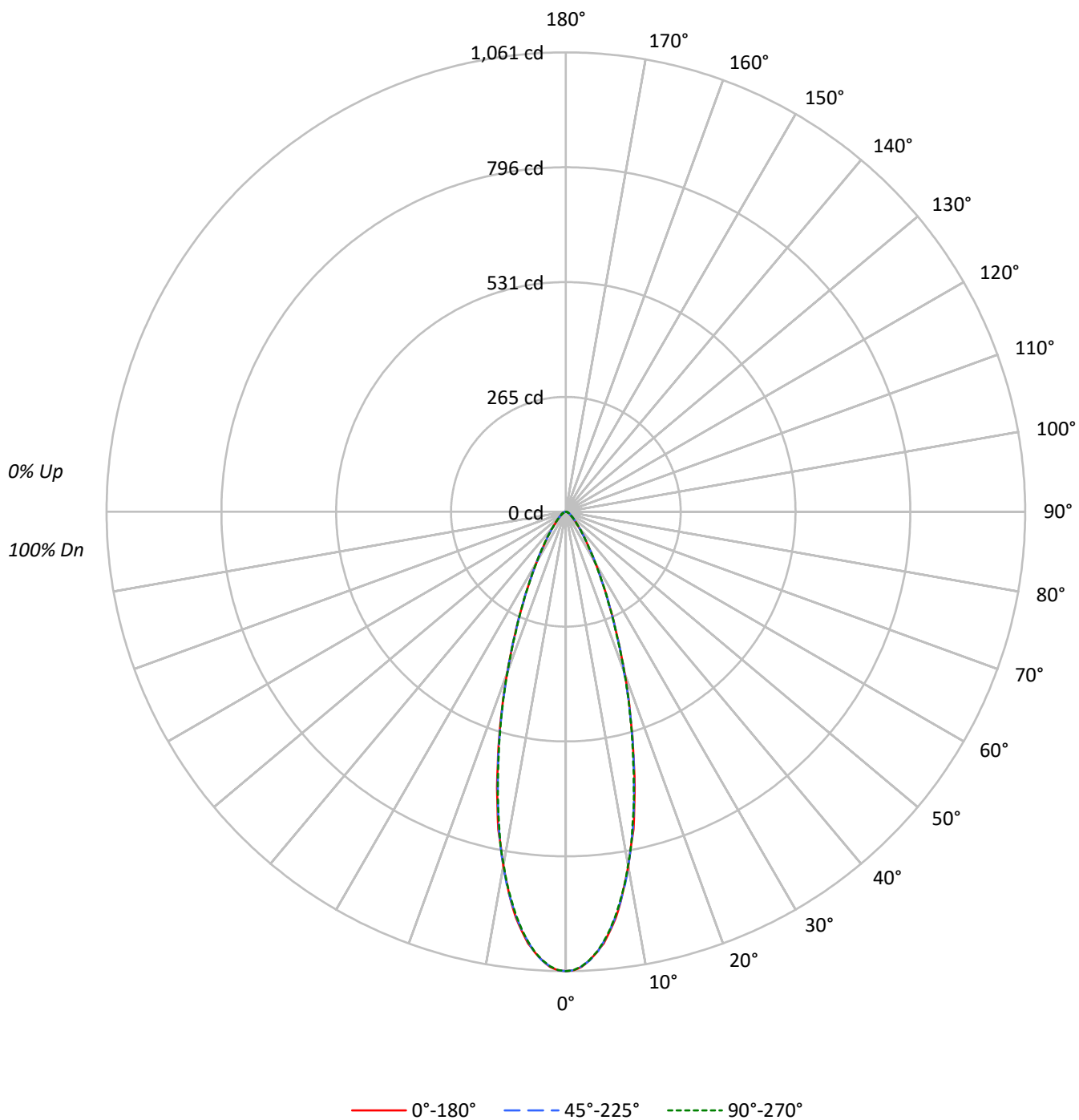
Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78		
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66		
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61		
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	182745	182745	182745
5°	173019	172569	172483
10°	145342	145342	144800
15°	108298	108013	107371
20°	72485	72101	72192
25°	44675	44580	44770
30°	26867	26867	26966
35°	16483	16483	16588
40°	10432	10432	10657
45°	7161	7282	7282
50°	5251	5251	5251
55°	4023	4174	4174
60°	3376	3376	3548
65°	2934	2934	2934
70°	2618	2870	2870
75°	2396	2396	2396
80°	2083	2083	2083
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7282 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	19.3
10°-20°	166.1	35.6
20°-30°	110.4	23.7
30°-40°	51.0	11.0
40°-50°	23.7	5.1
50°-60°	12.7	2.7
60°-70°	7.4	1.6
70°-80°	3.9	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°	366.5	78.6
0°-40°	417.5	89.6
0°-60°	453.9	97.4
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1001	999	998	1001	998	90
15°	607	609	606	606	602	167
25°	235	235	235	235	236	111
35°	78	78	78	79	79	51
45°	29	29	30	30	30	23
55°	13	14	14	14	14	12
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
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°	1061.1	1061.1	1061.1	1061.1	1061.1
1°	1059.0	1058.0	1059.0	1060.6	1058.5
2°	1051.8	1050.8	1050.8	1052.8	1050.8
3°	1037.9	1038.9	1038.4	1040.5	1036.9
4°	1020.4	1019.8	1021.9	1022.9	1019.8
5°	1000.8	998.7	998.2	1000.8	997.7
6°	973.9	972.4	971.4	974.5	970.3
7°	945.1	944.0	942.5	943.5	940.4
8°	909.5	909.0	908.0	909.0	905.4
9°	869.8	869.8	871.9	871.3	869.3
10°	831.1	832.2	831.1	832.2	828.0
11°	787.8	787.8	788.9	788.3	788.9
12°	750.2	746.1	745.0	744.0	740.9
13°	701.7	698.6	697.6	698.6	697.1
14°	657.4	655.3	650.2	651.2	649.1
15°	607.4	609.4	605.8	605.8	602.2
17.5°	496.5	494.5	495.5	496.0	494.5
20°	395.5	394.4	393.4	392.4	393.9
22.5°	307.3	307.8	306.8	305.7	304.7
25°	235.1	234.6	234.6	234.6	235.6
27.5°	178.4	178.4	178.4	178.9	178.9
30°	135.1	134.1	135.1	135.6	135.6
32.5°	101.1	102.1	102.6	102.6	102.6
35°	78.4	77.9	78.4	78.9	78.9
37.5°	59.8	59.8	60.3	60.3	60.8
40°	46.4	46.4	46.4	46.9	47.4
42.5°	36.6	36.6	37.1	37.1	37.6
45°	29.4	29.4	29.9	29.9	29.9
47.5°	23.7	23.7	24.2	24.2	24.2
50°	19.6	19.6	19.6	19.6	19.6
52.5°	16.5	16.0	16.5	16.5	16.5
55°	13.4	13.9	13.9	13.9	13.9
57.5°	11.3	11.9	11.9	11.9	11.9
60°	9.8	9.8	9.8	10.3	10.3
62.5°	8.2	8.8	8.8	8.8	8.8
65°	7.2	7.2	7.2	7.2	7.2
67.5°	6.2	6.2	6.2	6.2	6.7
70°	5.2	5.2	5.7	5.7	5.7
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.6	2.6	3.1	3.1	2.6
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
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)