

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: P1315302

Luminaire Tested: LDSQA3D05R309735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315302
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: LDSQA3D05R309735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

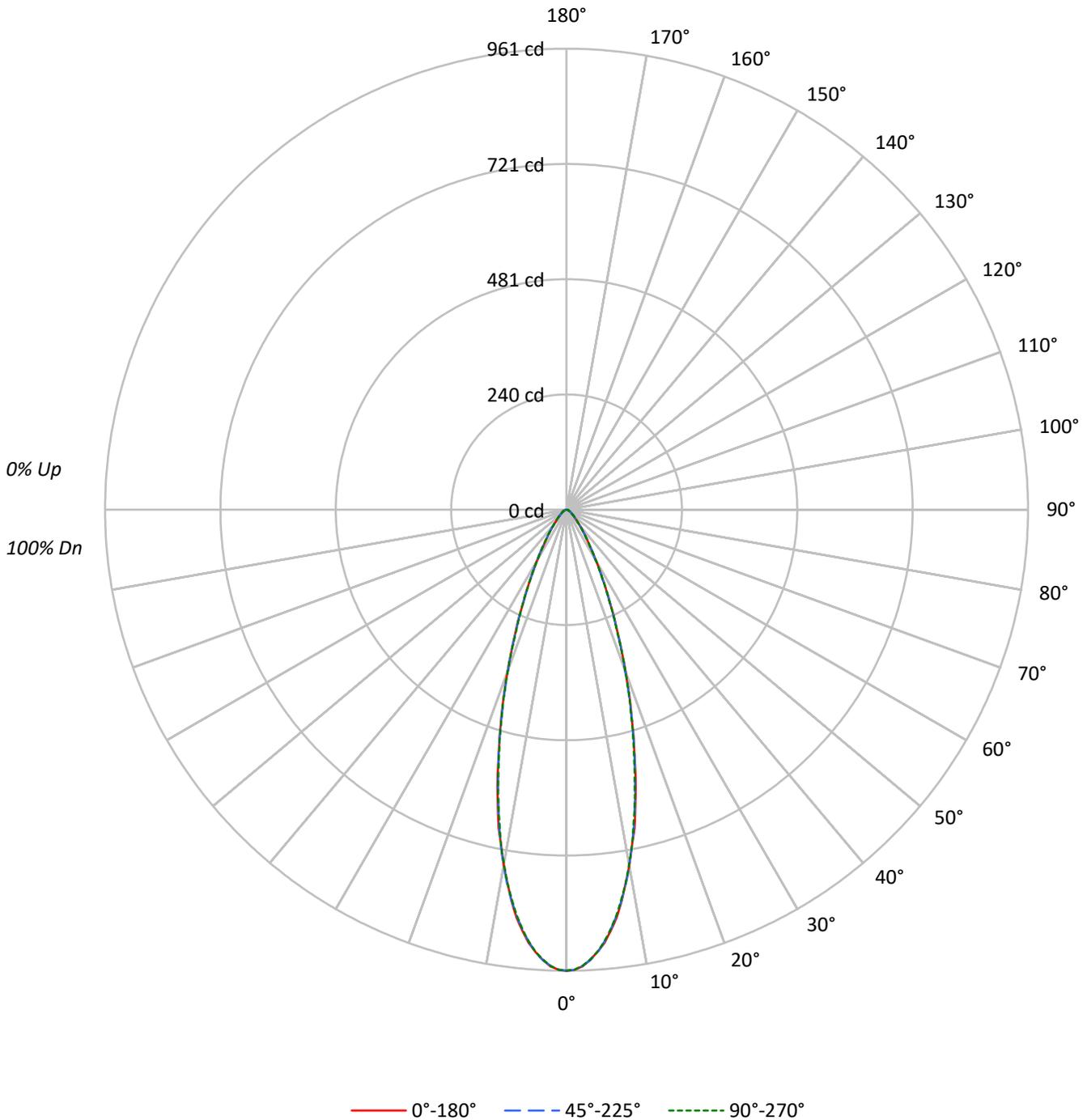
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 422.0 lumens
Efficiency: N/A
Efficacy: 58.6 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			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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	165489	165489	165489
5°	156682	156267	156198
10°	131632	131632	131142
15°	98064	97814	97226
20°	65631	65301	65374
25°	40457	40362	40552
30°	24321	24321	24421
35°	14927	14927	15011
40°	9442	9442	9667
45°	6479	6600	6600
50°	4742	4742	4742
55°	3633	3783	3783
60°	3066	3066	3203
65°	2649	2649	2649
70°	2367	2568	2568
75°	2196	2196	2196
80°	1884	1884	1884
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	19.3
10°-20°	150.4	35.6
20°-30°	100.0	23.7
30°-40°	46.2	11.0
40°-50°	21.5	5.1
50°-60°	11.4	2.7
60°-70°	6.7	1.6
70°-80°	3.6	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°	331.8	78.6
0°-40°	378.1	89.6
0°-60°	411.0	97.4
0°-90°	422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	906	904	904	906	904	82
15°	550	552	549	549	545	151
25°	213	212	212	212	213	100
35°	71	70	71	71	71	46
45°	27	27	27	27	27	21
55°	12	13	13	13	13	11
65°	6	6	6	6	6	7
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°	960.9	960.9	960.9	960.9	960.9
1°	959.0	958.1	959.0	960.4	958.6
2°	952.5	951.6	951.6	953.4	951.6
3°	939.9	940.8	940.4	942.2	939.0
4°	924.0	923.5	925.4	926.3	923.5
5°	906.3	904.4	903.9	906.3	903.5
6°	882.0	880.6	879.7	882.5	878.7
7°	855.8	854.9	853.5	854.4	851.6
8°	823.6	823.2	822.2	823.2	819.9
9°	787.7	787.7	789.5	789.1	787.2
10°	752.7	753.6	752.7	753.6	749.9
11°	713.4	713.4	714.4	713.9	714.4
12°	679.4	675.6	674.7	673.7	670.9
13°	635.5	632.7	631.7	632.7	631.3
14°	595.3	593.4	588.8	589.7	587.8
15°	550.0	551.9	548.6	548.6	545.3
17.5°	449.6	447.8	448.7	449.2	447.8
20°	358.1	357.2	356.3	355.3	356.7
22.5°	278.3	278.7	277.8	276.9	275.9
25°	212.9	212.4	212.4	212.4	213.4
27.5°	161.5	161.5	161.5	162.0	162.0
30°	122.3	121.4	122.3	122.8	122.8
32.5°	91.5	92.4	92.9	92.9	92.9
35°	71.0	70.5	71.0	71.4	71.4
37.5°	54.2	54.2	54.6	54.6	55.1
40°	42.0	42.0	42.0	42.5	43.0
42.5°	33.2	33.2	33.6	33.6	34.1
45°	26.6	26.6	27.1	27.1	27.1
47.5°	21.5	21.5	21.9	21.9	21.9
50°	17.7	17.7	17.7	17.7	17.7
52.5°	14.9	14.5	14.9	14.9	14.9
55°	12.1	12.6	12.6	12.6	12.6
57.5°	10.3	10.7	10.7	10.7	10.7
60°	8.9	8.9	8.9	9.3	9.3
62.5°	7.5	7.9	7.9	7.9	7.9
65°	6.5	6.5	6.5	6.5	6.5
67.5°	5.6	5.6	5.6	5.6	6.1
70°	4.7	4.7	5.1	5.1	5.1
72.5°	4.2	4.2	4.2	4.2	4.2
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.3	2.3	2.8	2.8	2.3
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.4	1.4	1.4	1.4	1.4
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)