

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: P1314330

Luminaire Tested: LDSQA3D05R309730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314330
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: LDSQA3D05R309730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

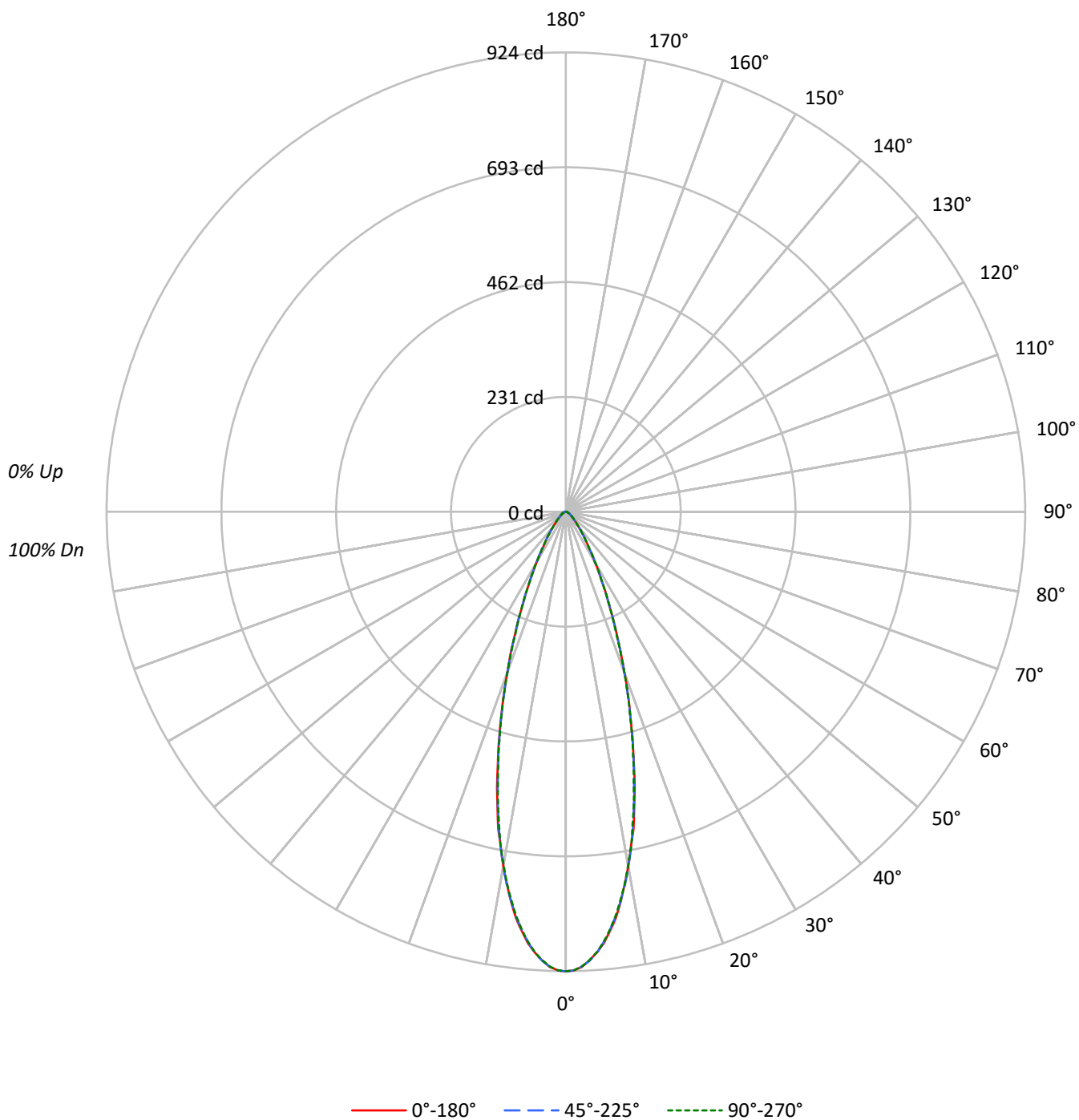
Lumens per Lamp: N/A
Luminaire Lumens: 405.9 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	96	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	91	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	159220	159220	159220
5°	150735	150354	150268
10°	126630	126630	126158
15°	94355	94106	93553
20°	63138	62809	62900
25°	38917	38841	39012
30°	23406	23406	23486
35°	14360	14360	14444
40°	9083	9083	9285
45°	6235	6357	6357
50°	4582	4582	4582
55°	3513	3633	3633
60°	2928	2928	3100
65°	2567	2567	2567
70°	2266	2467	2467
75°	2063	2063	2063
80°	1785	1785	1785
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	19.3
10°-20°	144.7	35.6
20°-30°	96.2	23.7
30°-40°	44.5	11.0
40°-50°	20.7	5.1
50°-60°	11.0	2.7
60°-70°	6.4	1.6
70°-80°	3.4	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°	319.3	78.7
0°-40°	363.7	89.6
0°-60°	395.4	97.4
0°-90°	405.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	872	870	870	872	869	78
15°	529	531	528	528	525	145
25°	205	204	204	204	205	96
35°	68	68	68	69	69	44
45°	26	26	26	26	26	20
55°	12	12	12	12	12	11
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°	924.5	924.5	924.5	924.5	924.5
1°	922.7	921.8	922.7	924.0	922.2
2°	916.4	915.5	915.5	917.3	915.5
3°	904.2	905.1	904.7	906.5	903.4
4°	889.0	888.5	890.3	891.2	888.5
5°	871.9	870.1	869.7	871.9	869.2
6°	848.5	847.2	846.3	849.0	845.4
7°	823.4	822.5	821.1	822.0	819.3
8°	792.4	791.9	791.0	791.9	788.8
9°	757.8	757.8	759.6	759.2	757.4
10°	724.1	725.0	724.1	725.0	721.4
11°	686.4	686.4	687.3	686.8	687.3
12°	653.6	650.0	649.1	648.2	645.5
13°	611.4	608.7	607.8	608.7	607.3
14°	572.7	570.9	566.4	567.3	565.5
15°	529.2	531.0	527.8	527.8	524.7
17.5°	432.6	430.8	431.7	432.1	430.8
20°	344.5	343.6	342.7	341.8	343.2
22.5°	267.7	268.2	267.3	266.4	265.5
25°	204.8	204.4	204.4	204.4	205.3
27.5°	155.4	155.4	155.4	155.9	155.9
30°	117.7	116.8	117.7	118.1	118.1
32.5°	88.0	88.9	89.4	89.4	89.4
35°	68.3	67.8	68.3	68.7	68.7
37.5°	52.1	52.1	52.6	52.6	53.0
40°	40.4	40.4	40.4	40.9	41.3
42.5°	31.9	31.9	32.3	32.3	32.8
45°	25.6	25.6	26.1	26.1	26.1
47.5°	20.7	20.7	21.1	21.1	21.1
50°	17.1	17.1	17.1	17.1	17.1
52.5°	14.4	13.9	14.4	14.4	14.4
55°	11.7	12.1	12.1	12.1	12.1
57.5°	9.9	10.3	10.3	10.3	10.3
60°	8.5	8.5	8.5	9.0	9.0
62.5°	7.2	7.6	7.6	7.6	7.6
65°	6.3	6.3	6.3	6.3	6.3
67.5°	5.4	5.4	5.4	5.4	5.8
70°	4.5	4.5	4.9	4.9	4.9
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.2	2.2	2.7	2.7	2.2
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
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)