

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: P1314296

Luminaire Tested: LDSQA3D05R209730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

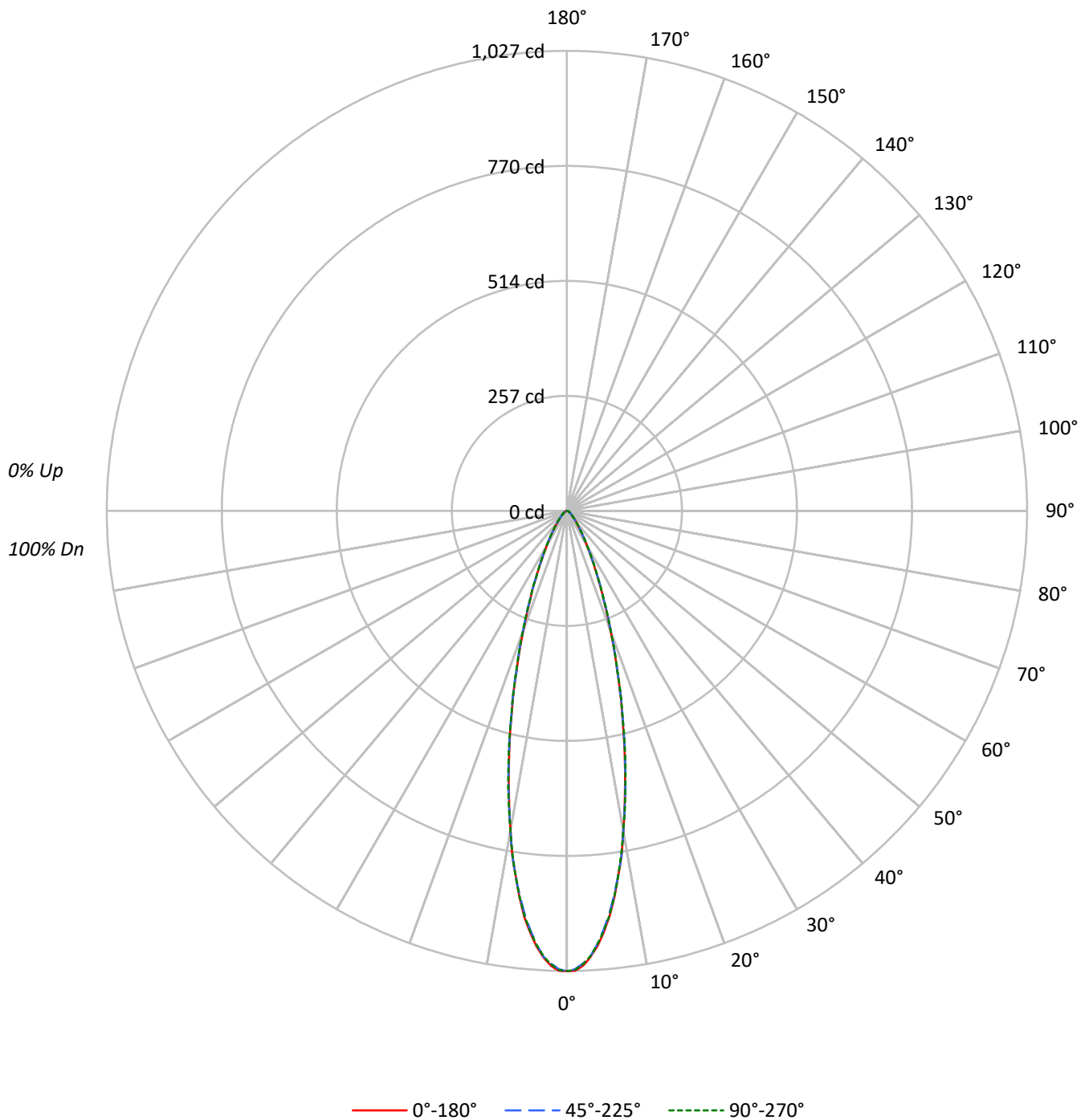
Lumens per Lamp: N/A
Luminaire Lumens: 360.9 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	176924	176924	176924
5°	163216	162283	162819
10°	126648	126805	126805
15°	85601	86011	86011
20°	51995	52655	52893
25°	30499	30917	30841
30°	17798	18156	18236
35°	10870	11143	11143
40°	7082	7172	7284
45°	4920	5042	5139
50°	3617	3724	3724
55°	2822	2973	2973
60°	2480	2480	2618
65°	2201	2201	2364
70°	2014	2014	2014
75°	1797	1797	1797
80°	1289	1289	1785
85°	790	790	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5139 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	23.0
10°-20°	132.7	36.8
20°-30°	76.8	21.3
30°-40°	34.4	9.5
40°-50°	16.3	4.5
50°-60°	8.9	2.5
60°-70°	5.4	1.5
70°-80°	2.9	0.8
80°-90°	0.6	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°	292.3	81.0
0°-40°	326.7	90.5
0°-60°	352.0	97.5
0°-90°	360.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	360.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	944	941	939	940	942	83
15°	480	480	482	480	482	132
25°	160	160	163	161	162	76
35°	52	52	53	54	53	34
45°	20	20	21	21	21	16
55°	9	9	10	10	10	9
65°	5	5	5	5	6	5
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.3	1027.3	1027.3	1027.3	1027.3
1°	1026.8	1024.1	1023.2	1022.3	1025.0
2°	1016.5	1013.3	1011.5	1012.4	1012.9
3°	998.0	996.2	996.2	994.9	995.8
4°	974.2	970.6	970.6	971.1	971.1
5°	944.1	940.9	938.7	940.5	941.8
6°	910.4	906.3	904.5	905.0	908.1
7°	869.0	863.6	864.5	866.8	866.8
8°	822.3	821.8	822.7	821.8	822.7
9°	779.1	772.8	778.2	773.7	775.9
10°	724.2	723.8	725.1	726.5	725.1
12.5°	599.3	601.5	602.4	600.6	604.7
15°	480.1	480.1	482.4	480.1	482.4
17.5°	373.6	373.1	374.9	373.1	375.8
20°	283.7	286.8	287.3	287.3	288.6
22.5°	214.0	214.0	215.8	216.2	215.3
25°	160.5	160.5	162.7	161.4	162.3
27.5°	118.7	119.6	121.4	122.3	122.3
30°	89.5	89.9	91.3	91.7	91.7
32.5°	67.4	68.3	69.2	69.7	70.1
35°	51.7	52.1	53.0	53.5	53.0
37.5°	39.6	40.0	40.9	41.4	41.4
40°	31.5	31.5	31.9	32.4	32.4
42.5°	24.7	25.2	25.2	25.6	25.6
45°	20.2	20.2	20.7	20.7	21.1
47.5°	16.2	16.2	16.6	17.1	17.1
50°	13.5	13.5	13.9	13.9	13.9
52.5°	11.2	11.2	11.7	11.7	11.7
55°	9.4	9.4	9.9	9.9	9.9
57.5°	8.1	8.1	8.5	8.5	8.5
60°	7.2	7.2	7.2	7.2	7.6
62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.4	5.4	5.4	5.4	5.8
67.5°	4.5	4.5	4.5	4.5	4.9
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.1	3.1	3.1	3.6	3.6
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.3	1.3	1.3	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)