

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: P1307775

Luminaire Tested: LDSQA3D05R209027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307775
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: LDSQA3D05R209027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

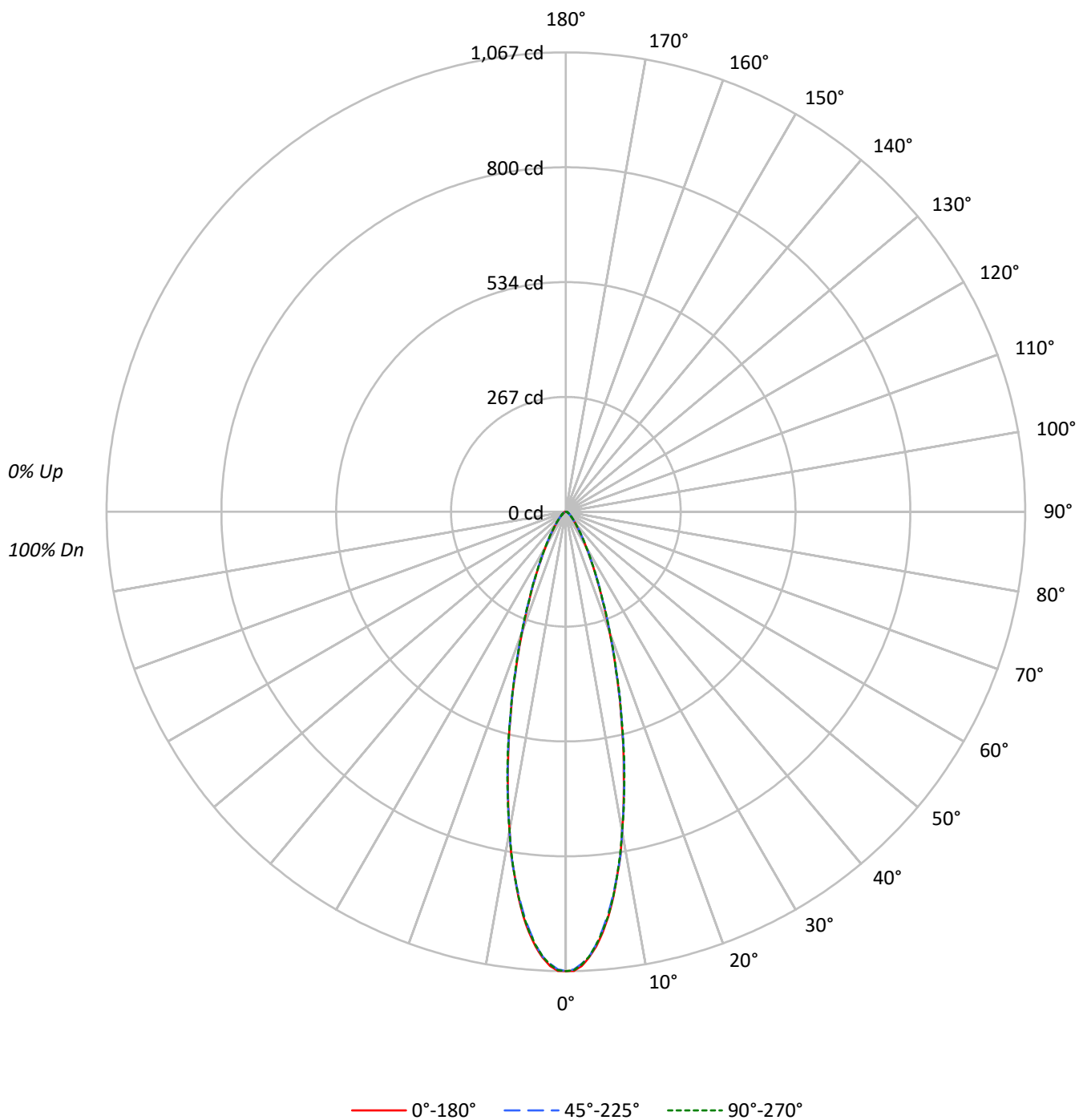
Lumens per Lamp: N/A
Luminaire Lumens: 375.0 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	183779	183779	183779
5°	169544	168576	169146
10°	131562	131737	131737
15°	88935	89345	89345
20°	54011	54689	54946
25°	31677	32134	32038
30°	18475	18852	18952
35°	11290	11585	11585
40°	7352	7464	7554
45°	5115	5237	5334
50°	3751	3885	3885
55°	2943	3093	3093
60°	2583	2583	2721
65°	2282	2282	2486
70°	2115	2115	2115
75°	1863	1863	1863
80°	1389	1389	1884
85°	988	988	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	22.9
10°-20°	137.8	36.7
20°-30°	79.8	21.3
30°-40°	35.8	9.5
40°-50°	17.0	4.5
50°-60°	9.3	2.5
60°-70°	5.6	1.5
70°-80°	3.0	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°	303.6	81.0
0°-40°	339.4	90.5
0°-60°	365.7	97.5
0°-90°	375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	981	977	975	977	978	86
15°	499	499	501	499	501	137
25°	167	167	169	168	169	79
35°	54	54	55	56	55	35
45°	21	21	22	22	22	17
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
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°	1067.1	1067.1	1067.1	1067.1	1067.1
1°	1066.6	1063.8	1062.9	1062.0	1064.8
2°	1055.9	1052.6	1050.7	1051.7	1052.1
3°	1036.7	1034.9	1034.9	1033.5	1034.4
4°	1012.0	1008.2	1008.2	1008.7	1008.7
5°	980.7	977.4	975.1	977.0	978.4
6°	945.7	941.5	939.6	940.1	943.3
7°	902.7	897.1	898.0	900.4	900.4
8°	854.1	853.7	854.6	853.7	854.6
9°	809.3	802.8	808.4	803.7	806.0
10°	752.3	751.9	753.3	754.7	753.3
12.5°	622.5	624.8	625.8	623.9	628.1
15°	498.8	498.8	501.1	498.8	501.1
17.5°	388.1	387.6	389.5	387.6	390.4
20°	294.7	297.9	298.4	298.4	299.8
22.5°	222.3	222.3	224.2	224.6	223.7
25°	166.7	166.7	169.1	167.7	168.6
27.5°	123.3	124.2	126.1	127.0	127.0
30°	92.9	93.4	94.8	95.3	95.3
32.5°	70.0	71.0	71.9	72.4	72.9
35°	53.7	54.2	55.1	55.6	55.1
37.5°	41.1	41.6	42.5	43.0	43.0
40°	32.7	32.7	33.2	33.6	33.6
42.5°	25.7	26.2	26.2	26.6	26.6
45°	21.0	21.0	21.5	21.5	21.9
47.5°	16.8	16.8	17.3	17.7	17.7
50°	14.0	14.0	14.5	14.5	14.5
52.5°	11.7	11.7	12.1	12.1	12.1
55°	9.8	9.8	10.3	10.3	10.3
57.5°	8.4	8.4	8.9	8.9	8.9
60°	7.5	7.5	7.5	7.5	7.9
62.5°	6.5	6.5	6.5	6.5	6.5
65°	5.6	5.6	5.6	5.6	6.1
67.5°	4.7	4.7	4.7	4.7	5.1
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.3	3.3	3.3	3.7	3.7
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.4	1.4	1.4	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)