

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: P1314298

Luminaire Tested: LDSQA3D05R209730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209730DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

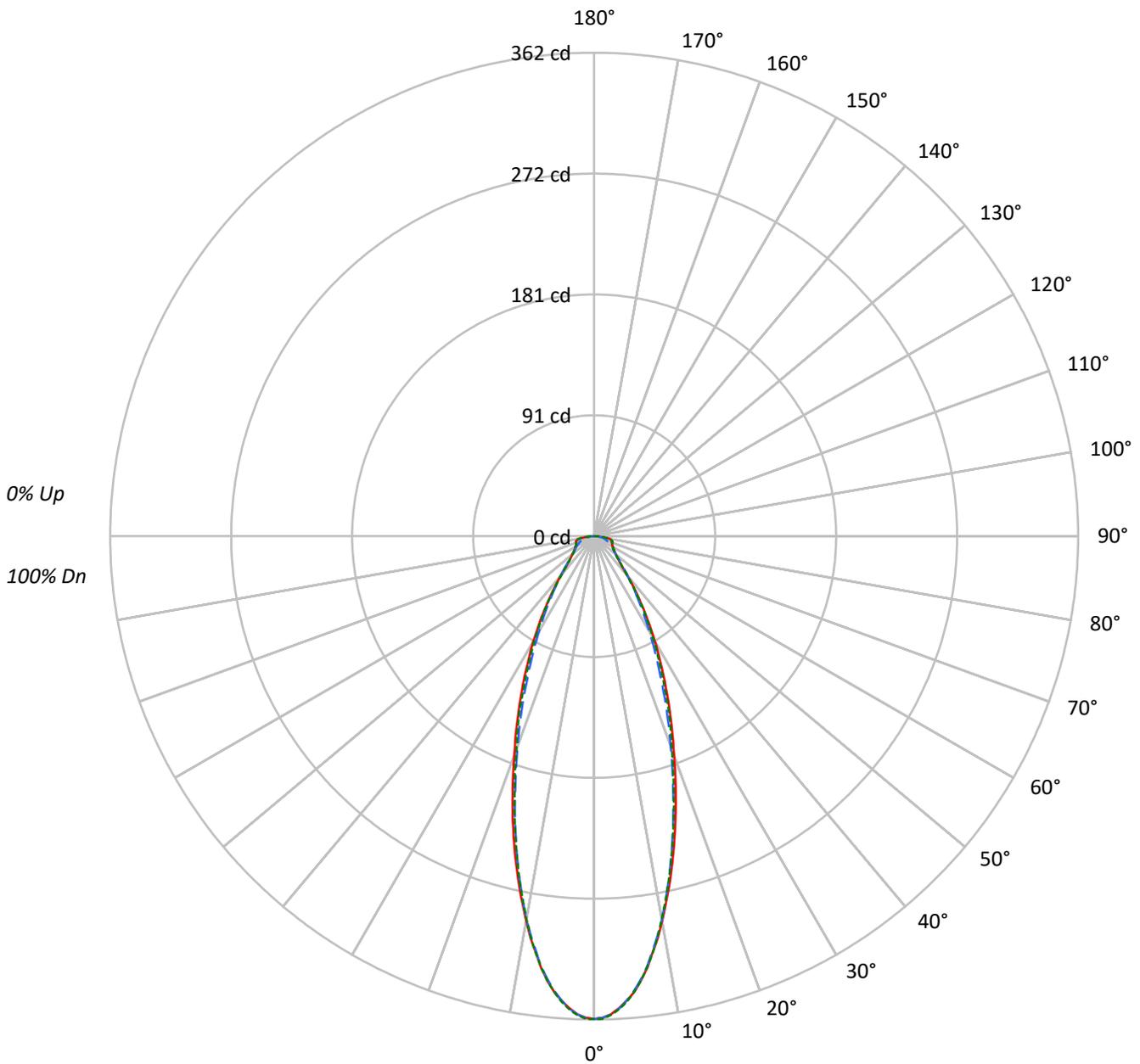
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 255.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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 (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62276	62276	62276
5°	59246	59091	59246
10°	51152	50995	50925
15°	41508	40563	40705
20°	31982	30589	31157
25°	24304	22499	23620
30°	18017	16406	17480
35°	12741	11879	12552
40°	8768	8768	8566
45°	6454	6771	6454
50°	5653	5653	5653
55°	5375	5255	5375
60°	5580	5098	5580
65°	6031	5135	6031
70°	7251	5187	7251
75°	9249	5656	9249
80°	11604	5752	11108
85°	8892	5335	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 11604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	12.2
10°-20°	63.3	24.8
20°-30°	56.6	22.2
30°-40°	37.1	14.6
40°-50°	21.6	8.5
50°-60°	16.0	6.3
60°-70°	13.6	5.3
70°-80°	11.2	4.4
80°-90°	4.7	1.8
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°	150.9	59.2
0°-40°	188.0	73.7
0°-60°	225.6	88.5
0°-90°	255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	362	362	362	362	362	
5°	343	342	342	342	343	31
15°	233	231	228	228	228	64
25°	128	124	118	122	124	59
35°	61	59	56	58	60	39
45°	26	27	28	27	26	21
55°	18	18	18	18	18	16
65°	15	14	13	14	15	15
75°	14	10	8	10	14	14
85°	4	5	3	5	5	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	361.6	361.6	361.6	361.6	361.6
1°	360.7	361.1	360.7	361.1	361.6
2°	358.4	358.9	358.4	358.4	358.9
3°	354.0	354.4	354.4	354.4	354.9
4°	348.6	349.0	348.6	349.0	349.5
5°	342.7	342.3	341.8	342.3	342.7
6°	334.7	334.2	333.8	334.2	334.7
7°	325.7	325.3	324.8	324.8	325.3
8°	314.5	314.9	313.6	314.5	314.9
9°	304.6	303.7	302.8	302.8	303.7
10°	292.5	291.6	291.6	291.2	291.2
12.5°	262.9	261.1	259.8	259.8	260.2
15°	232.8	230.6	227.5	227.9	228.3
17.5°	202.8	200.1	196.0	196.9	197.8
20°	174.5	171.8	166.9	168.7	170.0
22.5°	150.3	146.3	141.8	143.1	147.6
25°	127.9	124.3	118.4	121.6	124.3
27.5°	108.1	104.1	99.1	102.3	105.0
30°	90.6	87.0	82.5	85.2	87.9
32.5°	74.9	71.8	68.6	70.4	72.7
35°	60.6	58.8	56.5	58.3	59.7
37.5°	48.9	48.0	47.1	48.0	47.6
40°	39.0	39.5	39.0	39.0	38.1
42.5°	31.0	32.3	32.7	31.9	31.0
45°	26.5	26.9	27.8	26.9	26.5
47.5°	23.3	23.3	23.8	23.3	22.9
50°	21.1	21.1	21.1	21.1	21.1
52.5°	19.3	19.3	18.8	19.3	19.3
55°	17.9	17.5	17.5	17.5	17.9
57.5°	17.0	16.6	16.2	16.6	17.0
60°	16.2	15.3	14.8	15.3	16.2
62.5°	15.3	14.4	13.9	14.4	15.3
65°	14.8	13.5	12.6	13.5	14.8
67.5°	14.4	12.6	11.7	12.6	14.8
70°	14.4	11.7	10.3	12.1	14.4
72.5°	13.9	11.2	9.4	11.2	13.9
75°	13.9	10.3	8.5	10.3	13.9
77.5°	13.0	9.4	7.2	9.4	13.0
80°	11.7	8.5	5.8	8.5	11.2
82.5°	8.5	7.2	4.5	7.2	8.5
85°	4.5	4.9	2.7	4.9	4.9
87.5°	0.4	1.8	0.9	2.7	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)