

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: P1311165

Luminaire Tested: LDSQA3D05R309040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

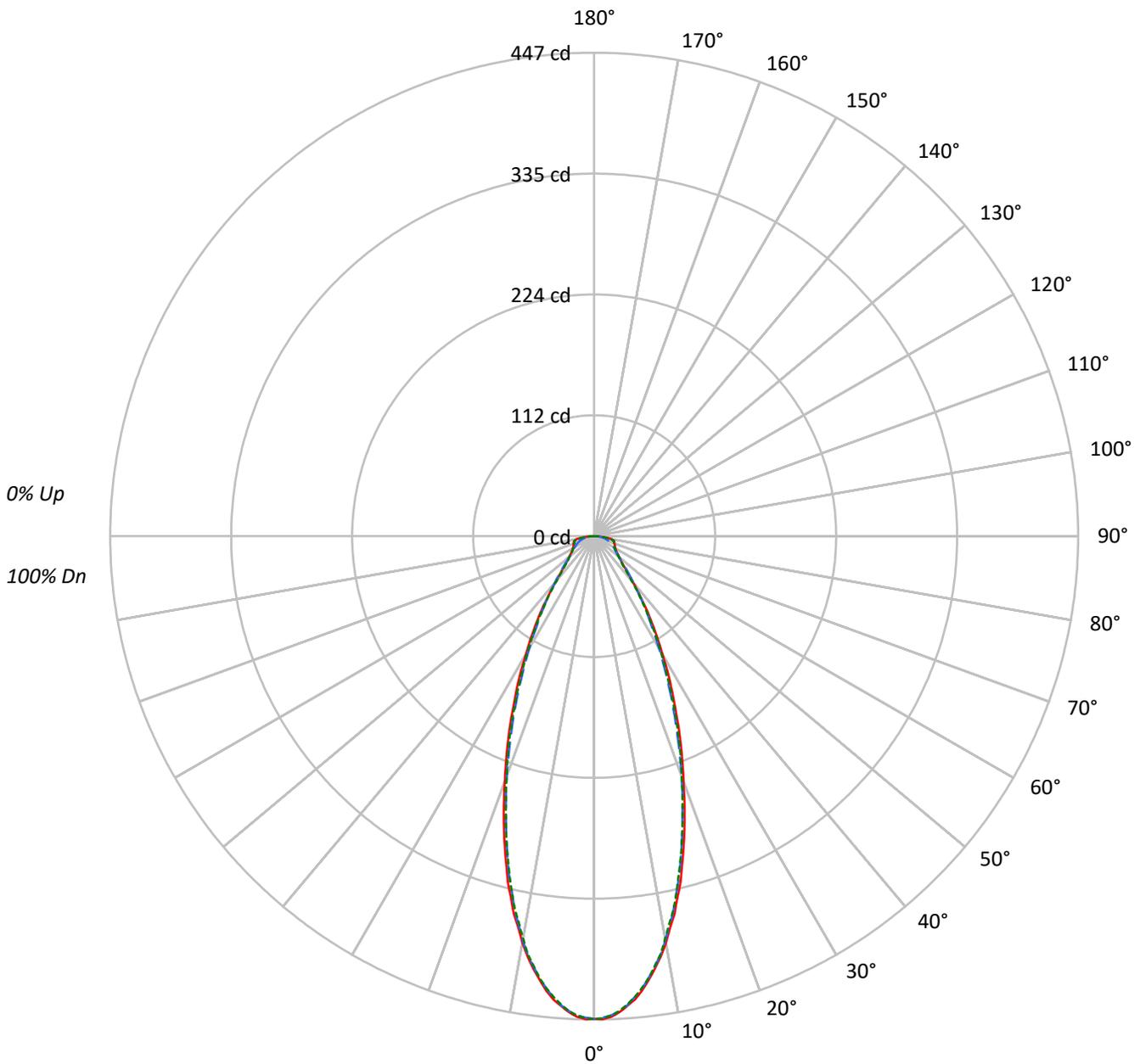
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 352.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91		89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81		79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74		72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67		66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62		61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58		56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54		52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51		49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48		46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45		43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76880	76880	76880
5°	74373	73993	73993
10°	66751	66367	66087
15°	55950	55076	54987
20°	44169	43271	43271
25°	33806	32476	33084
30°	25077	23804	24341
35°	18144	17345	17450
40°	12478	12725	12118
45°	9328	9718	8939
50°	8092	7958	7958
55°	7597	7296	7446
60°	7784	7233	7612
65°	8558	7254	8354
70°	10021	7352	9769
75°	12909	7918	12576
80°	16067	8529	14976
85°	12844	8497	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 16067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	11.2
10°-20°	85.6	24.3
20°-30°	79.7	22.7
30°-40°	52.9	15.0
40°-50°	30.8	8.8
50°-60°	22.4	6.4
60°-70°	19.0	5.4
70°-80°	15.7	4.5
80°-90°	6.5	1.9
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°	204.7	58.1
0°-40°	257.6	73.2
0°-60°	310.8	88.3
0°-90°	352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	446	446	446	446	446	
5°	430	430	428	428	428	39
15°	314	310	309	308	308	87
25°	178	175	171	171	174	82
35°	86	85	82	83	83	54
45°	38	39	40	38	37	31
55°	25	25	24	25	25	23
65°	21	19	18	19	20	21
75°	19	15	12	15	19	20
85°	6	8	4	7	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	446.4	446.4	446.4	446.4	446.4
1°	446.9	446.4	445.3	445.8	445.8
2°	444.8	444.2	443.7	443.7	443.7
3°	441.0	440.4	439.9	439.9	439.9
4°	435.6	435.1	435.1	434.5	434.5
5°	430.2	429.7	428.0	428.0	428.0
6°	422.7	422.1	421.0	420.5	420.5
7°	413.5	413.5	411.9	411.3	411.9
8°	403.8	403.2	402.2	401.6	401.6
9°	393.5	391.9	391.9	390.3	391.4
10°	381.7	380.6	379.5	378.4	377.9
11°	368.2	367.7	366.0	365.0	364.4
12°	356.9	354.2	353.1	351.5	352.6
13°	342.3	340.7	338.0	337.5	338.0
14°	329.9	326.7	324.5	323.5	322.9
15°	313.8	310.5	308.9	308.4	308.4
17.5°	277.6	275.5	271.2	271.2	271.2
20°	241.0	238.8	236.1	235.6	236.1
22.5°	209.2	205.4	201.1	201.6	204.9
25°	177.9	174.7	170.9	171.4	174.1
27.5°	151.5	147.2	143.4	144.5	146.1
30°	126.1	123.5	119.7	120.8	122.4
32.5°	104.6	103.0	98.7	99.7	101.4
35°	86.3	84.6	82.5	83.0	83.0
37.5°	69.0	69.0	68.5	67.9	67.4
40°	55.5	56.6	56.6	55.0	53.9
42.5°	45.3	46.4	47.4	45.3	43.7
45°	38.3	38.8	39.9	37.7	36.7
47.5°	33.4	33.4	34.5	32.9	32.3
50°	30.2	30.2	29.7	29.1	29.7
52.5°	27.5	27.0	26.4	27.0	27.0
55°	25.3	24.8	24.3	24.8	24.8
57.5°	23.7	23.2	22.6	22.6	23.2
60°	22.6	21.6	21.0	21.6	22.1
62.5°	21.6	19.9	19.4	19.9	21.0
65°	21.0	18.9	17.8	18.9	20.5
67.5°	20.5	17.8	16.2	17.8	19.9
70°	19.9	16.7	14.6	16.7	19.4
72.5°	19.4	15.6	13.5	15.6	19.4
75°	19.4	14.6	11.9	14.6	18.9
77.5°	18.3	13.5	10.2	13.5	17.8
80°	16.2	12.4	8.6	11.9	15.1
82.5°	11.9	10.8	6.5	10.2	11.3
85°	6.5	7.5	4.3	7.0	5.9
87.5°	1.1	1.6	1.1	3.2	2.2



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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)