

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: P1310047

Luminaire Tested: LDSQA3D05R309035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310047
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: LDSQA3D05R309035DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

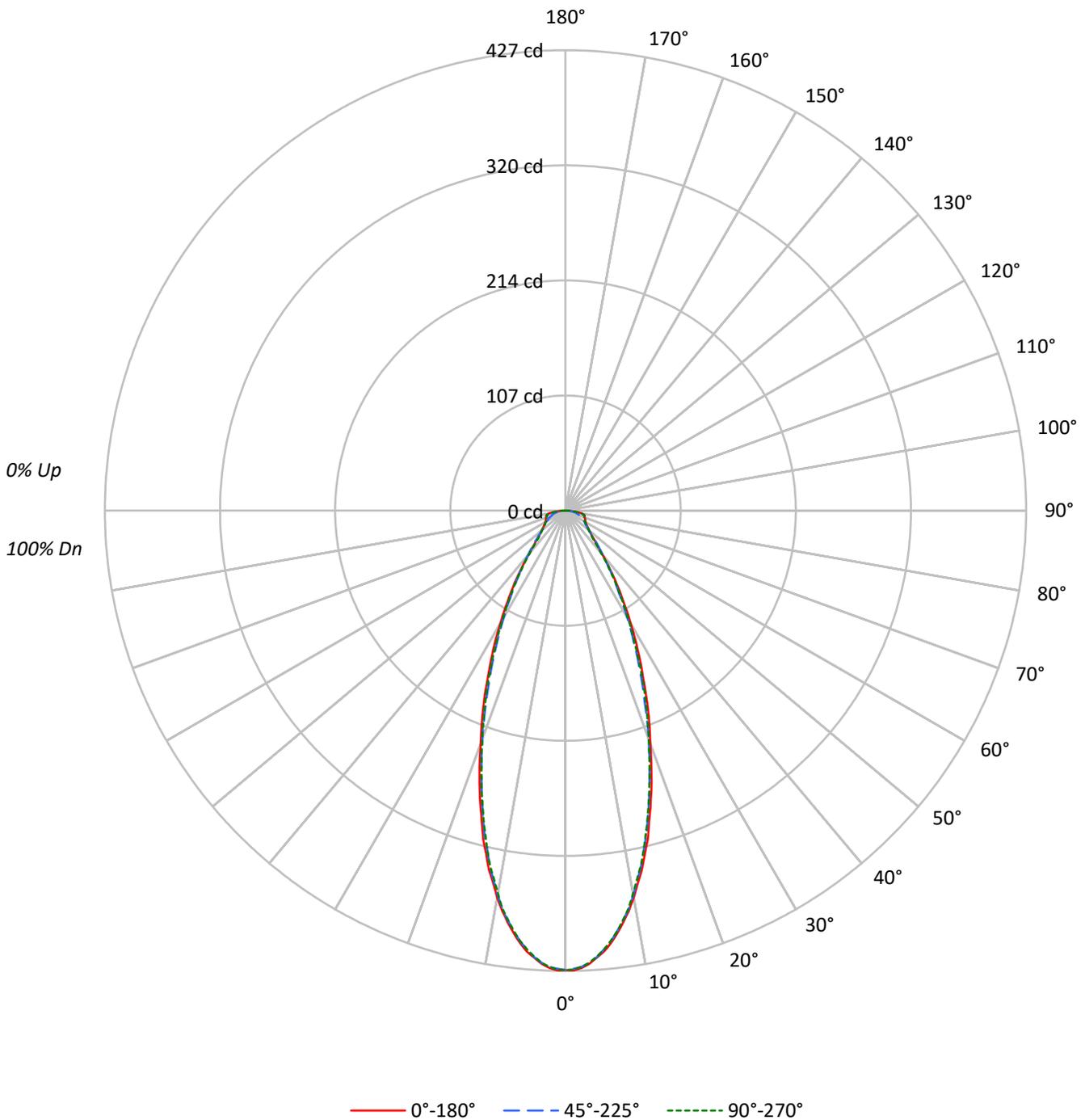
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 336.0 lumens
Efficiency: N/A
Efficacy: 46.7 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





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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
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°	73384	73384	73384
5°	70985	70639	70639
10°	63709	63359	63079
15°	53400	52580	52473
20°	42153	41310	41310
25°	32267	30993	31582
30°	23943	22710	23227
35°	17303	16546	16651
40°	11915	12140	11578
45°	8890	9280	8525
50°	7716	7582	7582
55°	7266	6966	7116
60°	7440	6923	7268
65°	8191	6928	7987
70°	9567	6999	9316
75°	12310	7519	11978
80°	15274	8133	14282
85°	12251	8102	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 15274 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	11.2
10°-20°	81.7	24.3
20°-30°	76.1	22.7
30°-40°	50.5	15.0
40°-50°	29.4	8.8
50°-60°	21.4	6.4
60°-70°	18.1	5.4
70°-80°	15.0	4.5
80°-90°	6.2	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°	195.4	58.2
0°-40°	245.9	73.2
0°-60°	296.7	88.3
0°-90°	336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	411	410	409	409	409	38
15°	300	296	295	294	294	83
25°	170	167	163	164	166	78
35°	82	81	79	79	79	52
45°	36	37	38	36	35	29
55°	24	24	23	24	24	22
65°	20	18	17	18	20	20
75°	18	14	11	14	18	19
85°	6	7	4	7	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	426.1	426.1	426.1	426.1	426.1
1°	426.6	426.1	425.1	425.6	425.6
2°	424.5	424.0	423.5	423.5	423.5
3°	420.9	420.4	419.9	419.9	419.9
4°	415.8	415.3	415.3	414.8	414.8
5°	410.6	410.1	408.6	408.6	408.6
6°	403.4	402.9	401.9	401.4	401.4
7°	394.7	394.7	393.1	392.6	393.1
8°	385.4	384.9	383.9	383.4	383.4
9°	375.7	374.1	374.1	372.6	373.6
10°	364.3	363.3	362.3	361.2	360.7
11°	351.5	351.0	349.4	348.4	347.9
12°	340.7	338.1	337.1	335.5	336.5
13°	326.8	325.2	322.6	322.1	322.6
14°	314.9	311.8	309.8	308.8	308.2
15°	299.5	296.4	294.9	294.3	294.3
17.5°	265.0	263.0	258.8	258.8	258.8
20°	230.0	228.0	225.4	224.9	225.4
22.5°	199.7	196.1	191.9	192.5	195.5
25°	169.8	166.7	163.1	163.6	166.2
27.5°	144.6	140.5	136.9	137.9	139.5
30°	120.4	117.8	114.2	115.3	116.8
32.5°	99.8	98.3	94.2	95.2	96.7
35°	82.3	80.8	78.7	79.2	79.2
37.5°	65.9	65.9	65.4	64.8	64.3
40°	53.0	54.0	54.0	52.5	51.5
42.5°	43.2	44.3	45.3	43.2	41.7
45°	36.5	37.1	38.1	36.0	35.0
47.5°	31.9	31.9	32.9	31.4	30.9
50°	28.8	28.8	28.3	27.8	28.3
52.5°	26.2	25.7	25.2	25.7	25.7
55°	24.2	23.7	23.2	23.7	23.7
57.5°	22.6	22.1	21.6	21.6	22.1
60°	21.6	20.6	20.1	20.6	21.1
62.5°	20.6	19.0	18.5	19.0	20.1
65°	20.1	18.0	17.0	18.0	19.6
67.5°	19.6	17.0	15.4	17.0	19.0
70°	19.0	16.0	13.9	16.0	18.5
72.5°	18.5	14.9	12.9	14.9	18.5
75°	18.5	13.9	11.3	13.9	18.0
77.5°	17.5	12.9	9.8	12.9	17.0
80°	15.4	11.8	8.2	11.3	14.4
82.5°	11.3	10.3	6.2	9.8	10.8
85°	6.2	7.2	4.1	6.7	5.7
87.5°	1.0	1.5	1.0	3.1	2.1



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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)