

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: P1326455

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326455
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: LDSQA3D09R30W2N902765DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

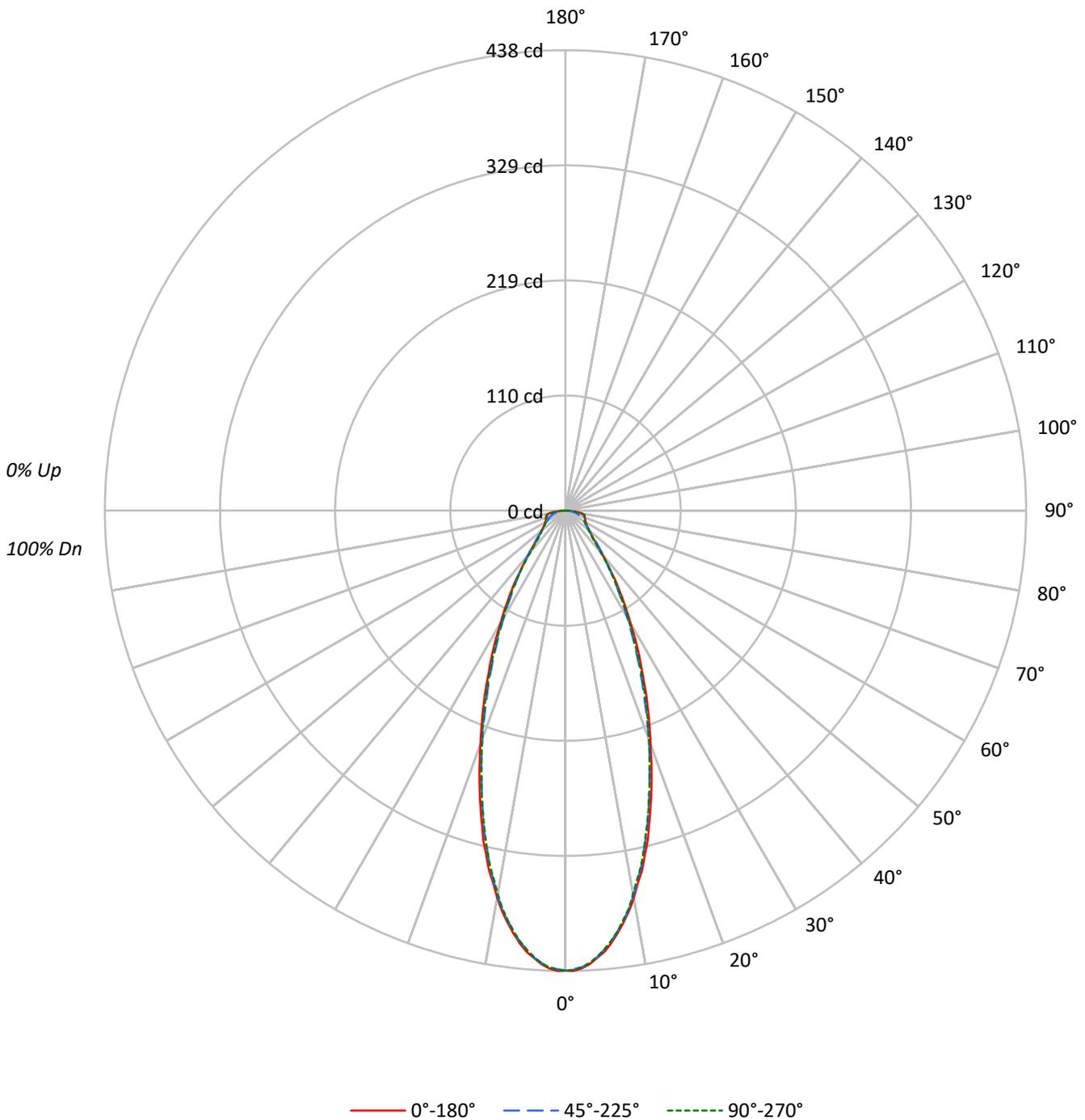
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 38.3 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): 9
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	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	58	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°	75347	75347	75347
5°	72886	72523	72523
10°	65422	65055	64775
15°	54827	53989	53882
20°	43290	42410	42410
25°	33141	31829	32438
30°	24580	23327	23844
35°	17766	16988	17114
40°	12230	12478	11871
45°	9133	9523	8744
50°	7931	7797	7797
55°	7446	7146	7296
60°	7647	7096	7474
65°	8395	7091	8191
70°	9819	7201	9567
75°	12643	7719	12310
80°	15769	8430	14679
85°	12449	8299	11461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 15769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	11.2
10°-20°	83.9	24.3
20°-30°	78.2	22.7
30°-40°	51.9	15.0
40°-50°	30.2	8.8
50°-60°	22.0	6.4
60°-70°	18.6	5.4
70°-80°	15.4	4.5
80°-90°	6.4	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°	200.6	58.2
0°-40°	252.5	73.2
0°-60°	304.6	88.3
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	422	421	420	420	420	39
15°	308	304	303	302	302	85
25°	174	171	168	168	171	80
35°	84	83	81	81	81	53
45°	38	38	39	37	36	30
55°	25	24	24	24	24	23
65°	21	18	17	18	20	20
75°	19	14	12	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°	437.5	437.5	437.5	437.5	437.5
1°	438.0	437.5	436.4	437.0	437.0
2°	435.9	435.4	434.9	434.9	434.9
3°	432.2	431.7	431.2	431.2	431.2
4°	426.9	426.4	426.4	425.9	425.9
5°	421.6	421.1	419.5	419.5	419.5
6°	414.2	413.7	412.7	412.1	412.1
7°	405.3	405.3	403.7	403.2	403.7
8°	395.8	395.2	394.2	393.6	393.6
9°	385.7	384.1	384.1	382.5	383.6
10°	374.1	373.0	372.0	370.9	370.4
11°	360.9	360.4	358.8	357.7	357.2
12°	349.8	347.1	346.1	344.5	345.6
13°	335.5	333.9	331.3	330.8	331.3
14°	323.4	320.2	318.1	317.0	316.5
15°	307.5	304.3	302.8	302.2	302.2
17.5°	272.1	270.0	265.8	265.8	265.8
20°	236.2	234.1	231.4	230.9	231.4
22.5°	205.0	201.3	197.1	197.6	200.8
25°	174.4	171.2	167.5	168.0	170.7
27.5°	148.5	144.2	140.5	141.6	143.2
30°	123.6	121.0	117.3	118.4	119.9
32.5°	102.5	100.9	96.7	97.7	99.3
35°	84.5	83.0	80.8	81.4	81.4
37.5°	67.6	67.6	67.1	66.6	66.0
40°	54.4	55.5	55.5	53.9	52.8
42.5°	44.4	45.4	46.5	44.4	42.8
45°	37.5	38.0	39.1	37.0	35.9
47.5°	32.8	32.8	33.8	32.2	31.7
50°	29.6	29.6	29.1	28.5	29.1
52.5°	26.9	26.4	25.9	26.4	26.4
55°	24.8	24.3	23.8	24.3	24.3
57.5°	23.2	22.7	22.2	22.2	22.7
60°	22.2	21.1	20.6	21.1	21.7
62.5°	21.1	19.5	19.0	19.5	20.6
65°	20.6	18.5	17.4	18.5	20.1
67.5°	20.1	17.4	15.9	17.4	19.5
70°	19.5	16.4	14.3	16.4	19.0
72.5°	19.0	15.3	13.2	15.3	19.0
75°	19.0	14.3	11.6	14.3	18.5
77.5°	18.0	13.2	10.0	13.2	17.4
80°	15.9	12.2	8.5	11.6	14.8
82.5°	11.6	10.6	6.3	10.0	11.1
85°	6.3	7.4	4.2	6.9	5.8
87.5°	1.1	1.6	1.1	3.2	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)