

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: P1319936

Luminaire Tested: LDSQA3D09R209840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319936
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: LDSQA3D09R209840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

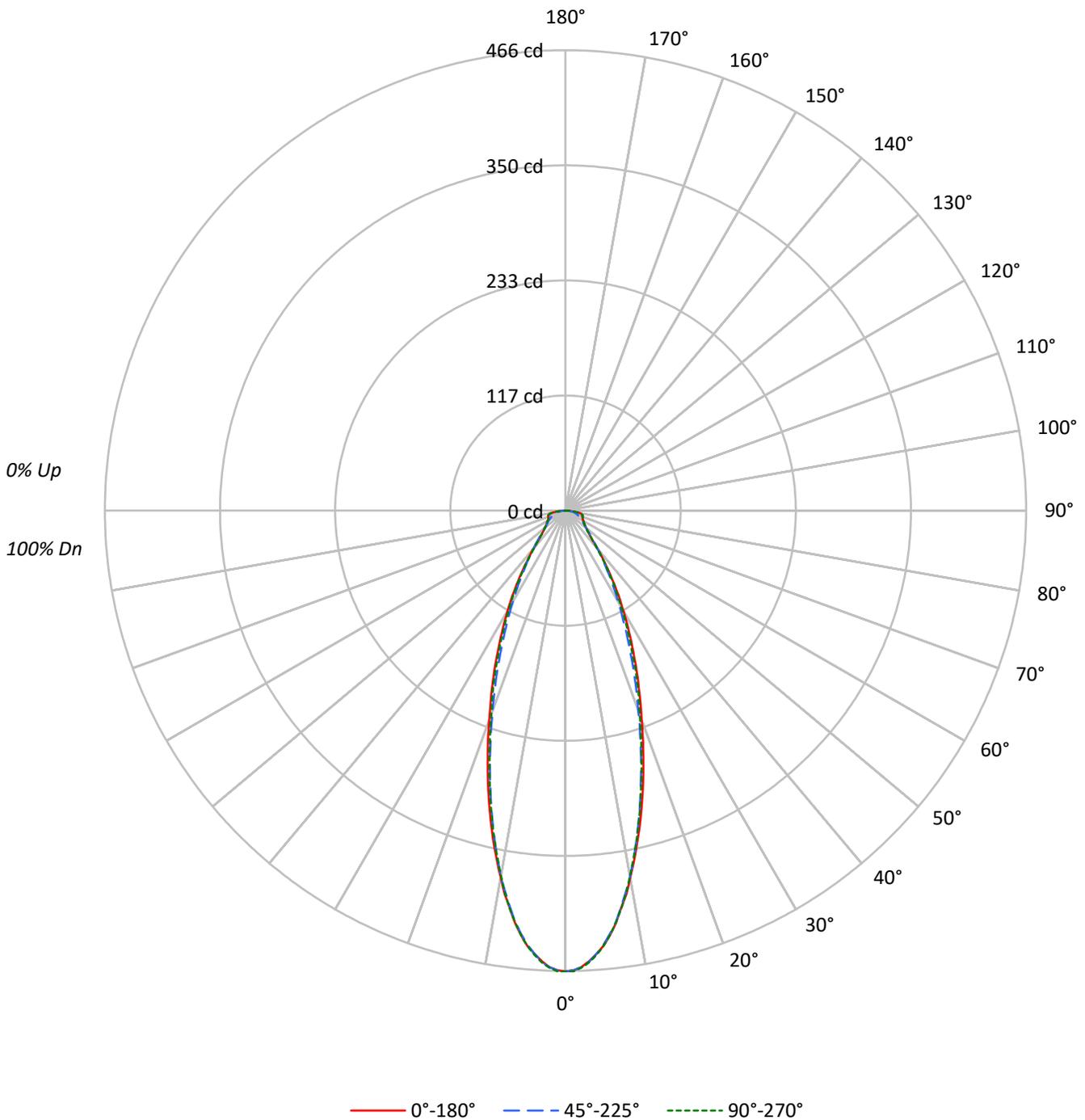
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.0 lumens
Efficiency: N/A
Efficacy: 29.9 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): 11
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				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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57	57	57	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50	50	50	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	47	47	47	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80342	80342	80342
5°	76448	76258	76448
10°	66000	65790	65685
15°	53561	52330	52527
20°	41274	39459	40211
25°	31354	29036	30461
30°	23247	21179	22551
35°	16420	15327	16189
40°	11331	11331	11061
45°	8305	8744	8305
50°	7288	7288	7288
55°	6966	6786	6966
60°	7164	6579	7164
65°	7784	6602	7784
70°	9316	6697	9316
75°	11911	7320	11911
80°	14877	7438	14381
85°	11461	6916	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 14877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	12.2
10°-20°	81.7	24.8
20°-30°	73.0	22.2
30°-40°	47.9	14.6
40°-50°	27.8	8.5
50°-60°	20.7	6.3
60°-70°	17.5	5.3
70°-80°	14.4	4.4
80°-90°	6.0	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°	194.7	59.2
0°-40°	242.6	73.7
0°-60°	291.1	88.5
0°-90°	329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	466	466	466	466	466	
5°	442	442	441	442	442	40
15°	300	298	294	294	295	83
25°	165	160	153	157	160	76
35°	78	76	73	75	77	50
45°	34	35	36	35	34	27
55°	23	23	23	23	23	21
65°	19	17	16	17	19	19
75°	18	13	11	13	18	18
85°	6	6	4	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.5	466.5	466.5	466.5	466.5
1°	465.4	465.9	465.4	465.9	466.5
2°	462.5	463.0	462.5	462.5	463.0
3°	456.7	457.3	457.3	457.3	457.8
4°	449.7	450.3	449.7	450.3	450.9
5°	442.2	441.6	441.1	441.6	442.2
6°	431.8	431.2	430.6	431.2	431.8
7°	420.2	419.6	419.1	419.1	419.6
8°	405.7	406.3	404.6	405.7	406.3
9°	393.0	391.9	390.7	390.7	391.9
10°	377.4	376.2	376.2	375.6	375.6
12.5°	339.2	336.9	335.1	335.1	335.7
15°	300.4	297.5	293.5	294.0	294.6
17.5°	261.6	258.1	252.9	254.1	255.3
20°	225.2	221.7	215.3	217.6	219.4
22.5°	193.9	188.7	182.9	184.6	190.4
25°	165.0	160.3	152.8	156.9	160.3
27.5°	139.5	134.3	127.9	132.0	135.4
30°	116.9	112.3	106.5	110.0	113.4
32.5°	96.7	92.6	88.6	90.9	93.8
35°	78.1	75.8	72.9	75.2	77.0
37.5°	63.1	61.9	60.8	61.9	61.4
40°	50.4	50.9	50.4	50.4	49.2
42.5°	39.9	41.7	42.3	41.1	39.9
45°	34.1	34.7	35.9	34.7	34.1
47.5°	30.1	30.1	30.7	30.1	29.5
50°	27.2	27.2	27.2	27.2	27.2
52.5°	24.9	24.9	24.3	24.9	24.9
55°	23.2	22.6	22.6	22.6	23.2
57.5°	22.0	21.4	20.8	21.4	22.0
60°	20.8	19.7	19.1	19.7	20.8
62.5°	19.7	18.5	17.9	18.5	19.7
65°	19.1	17.4	16.2	17.4	19.1
67.5°	18.5	16.2	15.0	16.2	19.1
70°	18.5	15.0	13.3	15.6	18.5
72.5°	17.9	14.5	12.2	14.5	17.9
75°	17.9	13.3	11.0	13.3	17.9
77.5°	16.8	12.2	9.3	12.2	16.8
80°	15.0	11.0	7.5	11.0	14.5
82.5°	11.0	9.3	5.8	9.3	11.0
85°	5.8	6.4	3.5	6.4	6.4
87.5°	0.6	2.3	1.2	3.5	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)