

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: P1309052

Luminaire Tested: LDSQA3D09R209030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309052
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: LDSQA3D09R209030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

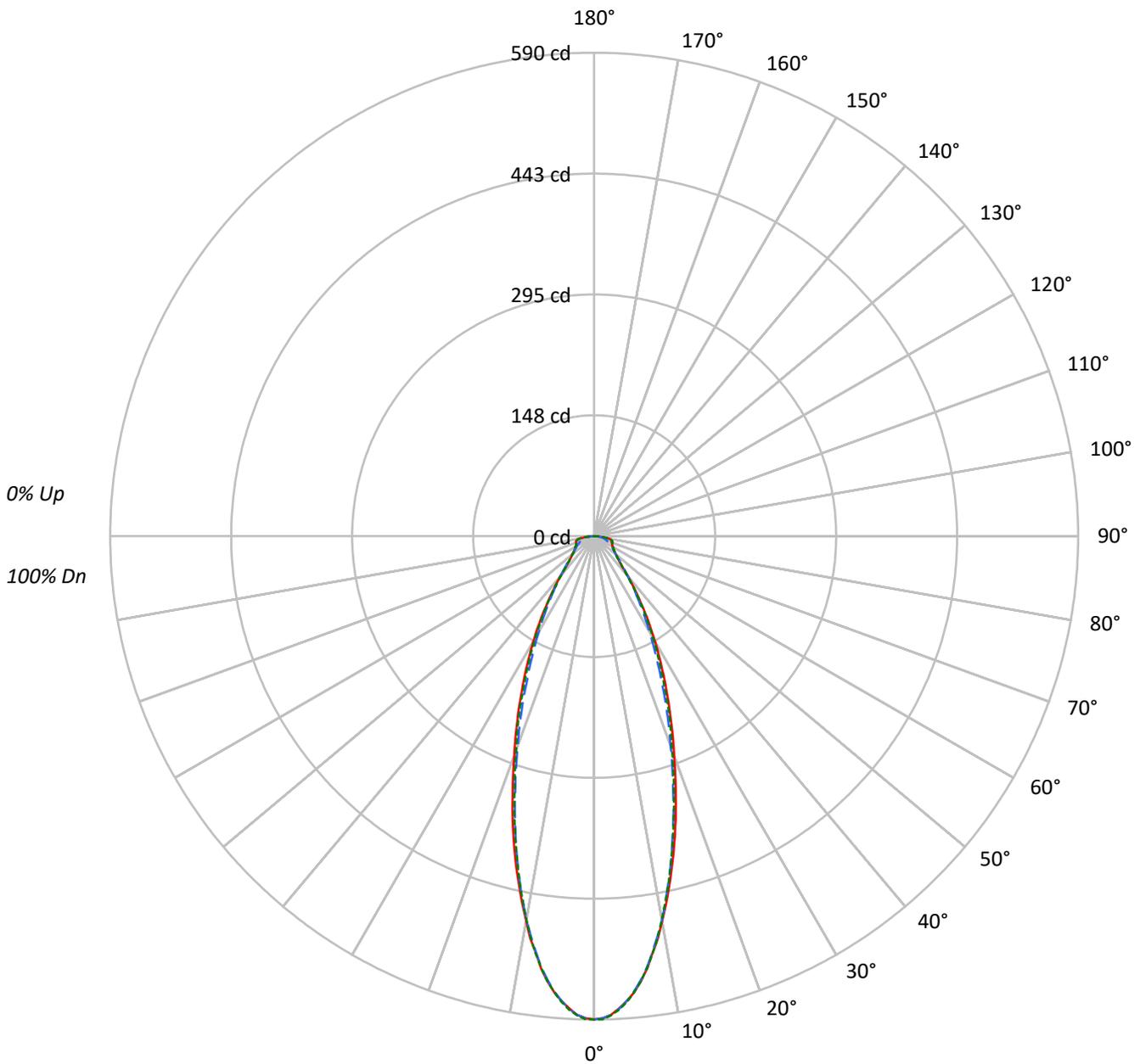
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 37.5 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): 11.1
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	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°	101594	101594	101594
5°	96657	96415	96657
10°	83452	83190	83068
15°	67718	66166	66416
20°	52179	49906	50841
25°	39640	36713	38518
30°	29392	26787	28517
35°	20772	19385	20457
40°	14321	14321	13984
45°	10522	11058	10522
50°	9217	9217	9217
55°	8798	8557	8798
60°	9059	8336	9059
65°	9862	8354	9862
70°	11783	8460	11783
75°	15105	9249	15105
80°	18844	9422	18150
85°	14425	8695	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 18844 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	12.2
10°-20°	103.3	24.8
20°-30°	92.3	22.2
30°-40°	60.5	14.6
40°-50°	35.2	8.5
50°-60°	26.1	6.3
60°-70°	22.1	5.3
70°-80°	18.2	4.4
80°-90°	7.6	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°	246.2	59.2
0°-40°	306.8	73.7
0°-60°	368.1	88.5
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	559	558	558	558	559	51
15°	380	376	371	372	372	105
25°	209	203	193	198	203	96
35°	99	96	92	95	97	63
45°	43	44	45	44	43	35
55°	29	28	28	28	29	27
65°	24	22	20	22	24	24
75°	23	17	14	17	23	23
85°	7	8	4	8	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.9	589.9	589.9	589.9	589.9
1°	588.4	589.2	588.4	589.2	589.9
2°	584.8	585.5	584.8	584.8	585.5
3°	577.4	578.2	578.2	578.2	578.9
4°	568.7	569.4	568.7	569.4	570.1
5°	559.1	558.4	557.7	558.4	559.1
6°	546.0	545.2	544.5	545.2	546.0
7°	531.3	530.6	529.9	529.9	530.6
8°	513.0	513.8	511.6	513.0	513.8
9°	496.9	495.5	494.0	494.0	495.5
10°	477.2	475.7	475.7	475.0	475.0
12.5°	428.9	425.9	423.8	423.8	424.5
15°	379.8	376.2	371.1	371.8	372.5
17.5°	330.8	326.4	319.8	321.3	322.8
20°	284.7	280.3	272.3	275.2	277.4
22.5°	245.2	238.6	231.3	233.5	240.8
25°	208.6	202.7	193.2	198.3	202.7
27.5°	176.4	169.8	161.7	166.9	171.3
30°	147.8	142.0	134.7	139.1	143.4
32.5°	122.2	117.1	112.0	114.9	118.6
35°	98.8	95.9	92.2	95.1	97.3
37.5°	79.8	78.3	76.8	78.3	77.6
40°	63.7	64.4	63.7	63.7	62.2
42.5°	50.5	52.7	53.4	52.0	50.5
45°	43.2	43.9	45.4	43.9	43.2
47.5°	38.1	38.1	38.8	38.1	37.3
50°	34.4	34.4	34.4	34.4	34.4
52.5°	31.5	31.5	30.7	31.5	31.5
55°	29.3	28.5	28.5	28.5	29.3
57.5°	27.8	27.1	26.3	27.1	27.8
60°	26.3	24.9	24.2	24.9	26.3
62.5°	24.9	23.4	22.7	23.4	24.9
65°	24.2	22.0	20.5	22.0	24.2
67.5°	23.4	20.5	19.0	20.5	24.2
70°	23.4	19.0	16.8	19.8	23.4
72.5°	22.7	18.3	15.4	18.3	22.7
75°	22.7	16.8	13.9	16.8	22.7
77.5°	21.2	15.4	11.7	15.4	21.2
80°	19.0	13.9	9.5	13.9	18.3
82.5°	13.9	11.7	7.3	11.7	13.9
85°	7.3	8.1	4.4	8.1	8.1
87.5°	0.7	2.9	1.5	4.4	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)