

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: P1316399

Luminaire Tested: LDSQA3D09R209740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316399
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: LDSQA3D09R209740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

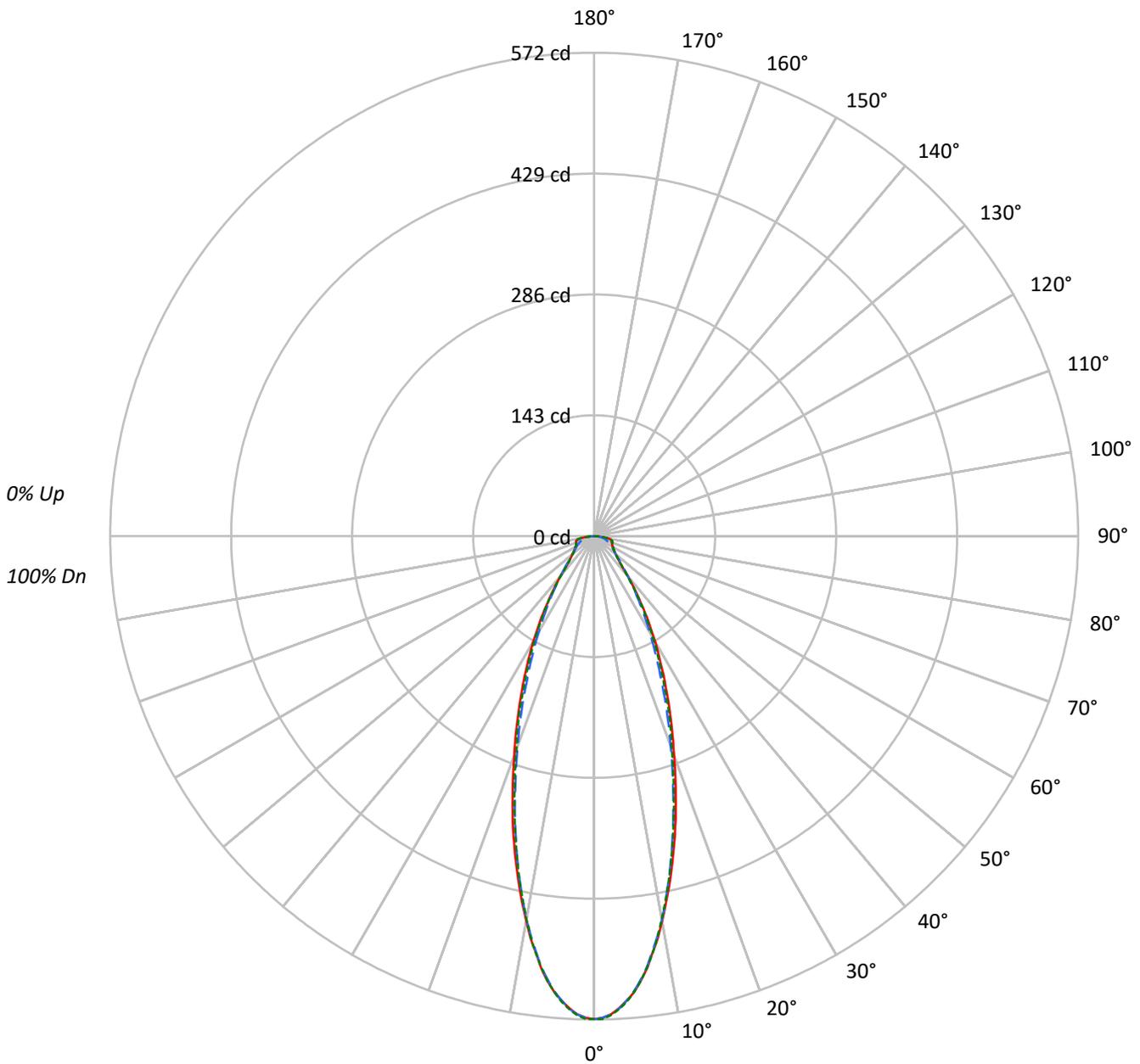
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 36.3 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% Up
100% Dn

— 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	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°	98425	98425	98425
5°	93649	93407	93649
10°	80847	80584	80462
15°	65614	64098	64348
20°	50547	48330	49246
25°	38404	35573	37321
30°	28478	25952	27642
35°	20120	18775	19826
40°	13871	13871	13557
45°	10181	10717	10181
50°	8922	8922	8922
55°	8527	8317	8527
60°	8783	8060	8783
65°	9536	8110	9536
70°	11430	8208	11430
75°	14639	8983	14639
80°	18249	9124	17555
85°	14030	8497	15413

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 18249 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	12.2
10°-20°	100.1	24.8
20°-30°	89.4	22.2
30°-40°	58.7	14.6
40°-50°	34.1	8.5
50°-60°	25.3	6.3
60°-70°	21.4	5.3
70°-80°	17.7	4.4
80°-90°	7.4	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°	238.5	59.2
0°-40°	297.2	73.7
0°-60°	356.6	88.5
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	542	541	540	541	542	49
15°	368	364	360	360	361	102
25°	202	196	187	192	196	93
35°	96	93	89	92	94	61
45°	42	42	44	42	42	34
55°	28	28	28	28	28	26
65°	23	21	20	21	23	23
75°	22	16	14	16	22	23
85°	7	8	4	8	8	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	571.5	571.5	571.5	571.5	571.5
1°	570.0	570.7	570.0	570.7	571.5
2°	566.5	567.2	566.5	566.5	567.2
3°	559.4	560.1	560.1	560.1	560.8
4°	550.9	551.6	550.9	551.6	552.3
5°	541.7	541.0	540.3	541.0	541.7
6°	528.9	528.2	527.5	528.2	528.9
7°	514.7	514.0	513.3	513.3	514.0
8°	497.0	497.7	495.6	497.0	497.7
9°	481.4	480.0	478.6	478.6	480.0
10°	462.3	460.8	460.8	460.1	460.1
12.5°	415.5	412.6	410.5	410.5	411.2
15°	368.0	364.4	359.5	360.2	360.9
17.5°	320.5	316.2	309.8	311.2	312.7
20°	275.8	271.5	263.7	266.6	268.7
22.5°	237.5	231.1	224.0	226.2	233.3
25°	202.1	196.4	187.2	192.1	196.4
27.5°	170.9	164.5	156.7	161.7	165.9
30°	143.2	137.5	130.5	134.7	139.0
32.5°	118.4	113.4	108.5	111.3	114.9
35°	95.7	92.9	89.3	92.2	94.3
37.5°	77.3	75.9	74.4	75.9	75.2
40°	61.7	62.4	61.7	61.7	60.3
42.5°	48.9	51.0	51.8	50.3	48.9
45°	41.8	42.5	44.0	42.5	41.8
47.5°	36.9	36.9	37.6	36.9	36.2
50°	33.3	33.3	33.3	33.3	33.3
52.5°	30.5	30.5	29.8	30.5	30.5
55°	28.4	27.7	27.7	27.7	28.4
57.5°	26.9	26.2	25.5	26.2	26.9
60°	25.5	24.1	23.4	24.1	25.5
62.5°	24.1	22.7	22.0	22.7	24.1
65°	23.4	21.3	19.9	21.3	23.4
67.5°	22.7	19.9	18.4	19.9	23.4
70°	22.7	18.4	16.3	19.1	22.7
72.5°	22.0	17.7	14.9	17.7	22.0
75°	22.0	16.3	13.5	16.3	22.0
77.5°	20.6	14.9	11.3	14.9	20.6
80°	18.4	13.5	9.2	13.5	17.7
82.5°	13.5	11.3	7.1	11.3	13.5
85°	7.1	7.8	4.3	7.8	7.8
87.5°	0.7	2.8	1.4	4.3	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)