

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: P1314754

Luminaire Tested: LDSQA3D17R159730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159730DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

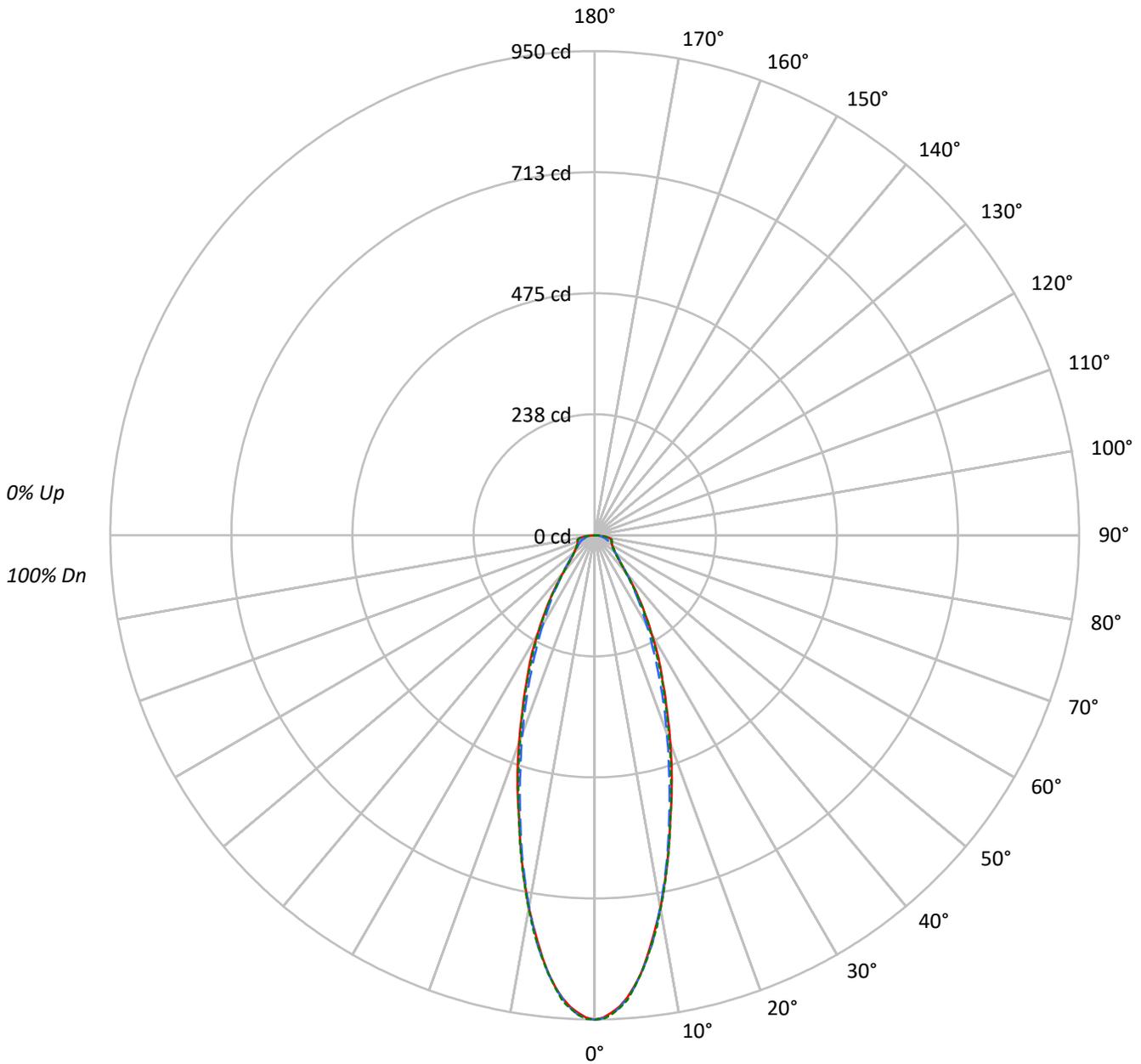
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 637.0 lumens
Efficiency: N/A
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	163646	163646	163646
5°	153691	153898	153898
10°	129831	129428	130233
15°	102111	100667	102307
20°	79358	75748	78295
25°	59896	55735	59022
30°	44546	40648	43631
35°	31789	29624	31305
40°	21538	21808	21291
45°	16026	16879	16026
50°	13932	13932	13932
55°	13512	12821	13512
60°	13916	12710	13537
65°	15037	13163	15037
70°	18027	13394	18027
75°	23023	13841	23023
80°	28663	14877	27473
85°	22724	13635	25096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 28663 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	12.6
10°-20°	158.4	24.9
20°-30°	140.0	22.0
30°-40°	92.0	14.4
40°-50°	53.8	8.4
50°-60°	39.6	6.2
60°-70°	33.7	5.3
70°-80°	27.8	4.4
80°-90°	11.5	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°	378.6	59.4
0°-40°	470.6	73.9
0°-60°	563.9	88.5
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	889	889	890	891	890	80
15°	573	573	565	572	574	160
25°	315	305	293	301	311	146
35°	151	146	141	144	149	95
45°	66	67	69	67	66	53
55°	45	44	43	44	45	41
65°	37	34	32	34	37	37
75°	35	25	21	27	35	35
85°	12	13	7	12	13	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.2	950.2	950.2	950.2	950.2
1°	946.7	947.9	947.9	949.1	949.1
2°	937.5	939.8	941.0	941.0	941.0
3°	926.0	927.1	928.3	929.4	929.4
4°	909.8	911.0	911.0	913.3	914.4
5°	889.0	889.0	890.2	891.3	890.2
6°	864.8	864.8	865.9	865.9	865.9
7°	835.9	837.1	838.2	839.4	838.2
8°	804.7	805.9	809.4	809.4	808.2
9°	773.6	774.7	774.7	778.2	778.2
10°	742.4	742.4	740.1	742.4	744.7
12.5°	658.1	657.0	653.5	657.0	659.3
15°	572.7	572.7	564.6	571.5	573.8
17.5°	503.4	493.0	484.9	491.8	497.6
20°	433.0	422.6	413.3	420.3	427.2
22.5°	369.5	361.4	349.8	356.8	364.8
25°	315.2	304.8	293.3	301.3	310.6
27.5°	270.2	256.3	244.8	254.0	262.1
30°	224.0	214.8	204.4	211.3	219.4
32.5°	184.7	177.8	169.7	175.5	182.4
35°	151.2	145.5	140.9	144.3	148.9
37.5°	121.2	118.9	116.6	117.8	117.8
40°	95.8	97.0	97.0	97.0	94.7
42.5°	78.5	79.7	82.0	79.7	78.5
45°	65.8	67.0	69.3	67.0	65.8
47.5°	57.7	58.9	60.0	57.7	57.7
50°	52.0	52.0	52.0	52.0	52.0
52.5°	48.5	47.3	47.3	47.3	48.5
55°	45.0	43.9	42.7	43.9	45.0
57.5°	41.6	40.4	39.3	40.4	41.6
60°	40.4	38.1	36.9	38.1	39.3
62.5°	38.1	35.8	34.6	35.8	38.1
65°	36.9	33.5	32.3	33.5	36.9
67.5°	35.8	31.2	28.9	31.2	35.8
70°	35.8	28.9	26.6	30.0	35.8
72.5°	34.6	27.7	23.1	27.7	34.6
75°	34.6	25.4	20.8	26.6	34.6
77.5°	32.3	23.1	17.3	24.2	32.3
80°	28.9	20.8	15.0	21.9	27.7
82.5°	20.8	17.3	11.5	17.3	20.8
85°	11.5	12.7	6.9	11.5	12.7
87.5°	1.2	3.5	2.3	6.9	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)