

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: P1314769

Luminaire Tested: LDSQA3D17R209730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314769
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: LDSQA3D17R209730DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

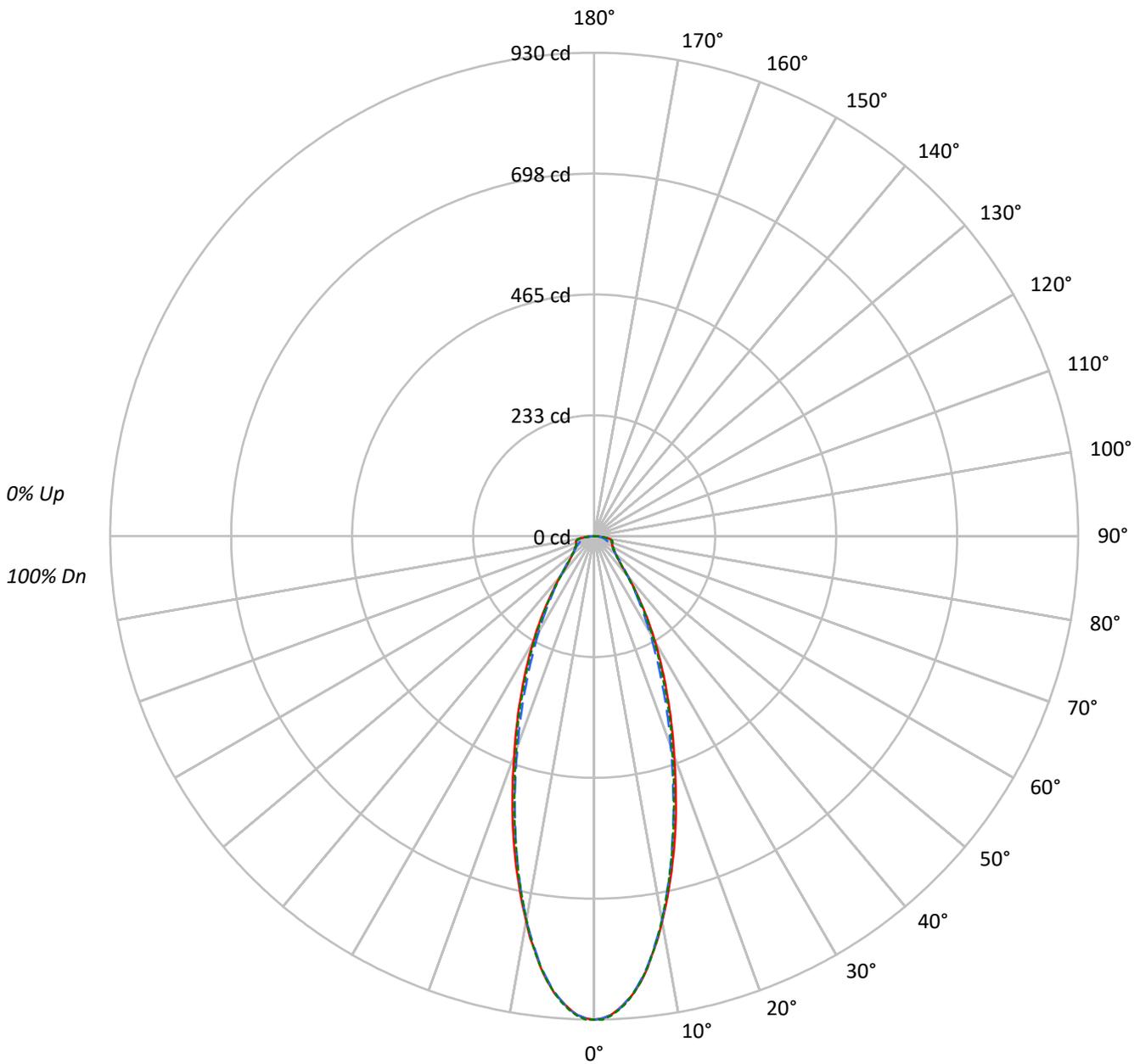
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 30.9 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): 21.2
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



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				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	64	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	58	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°	160202	160202	160202
5°	152429	152031	152429
10°	131597	131195	130985
15°	106801	104322	104732
20°	82272	78680	80165
25°	62500	57901	60752
30°	46356	42239	44983
35°	32756	30570	32273
40°	22572	22572	22055
45°	16586	17439	16586
50°	14522	14522	14522
55°	13872	13512	13872
60°	14294	13123	14294
65°	15526	13163	15526
70°	18581	13344	18581
75°	23822	14573	23822
80°	29754	14877	28663
85°	22724	13635	25096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 29754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	12.2
10°-20°	162.9	24.8
20°-30°	145.5	22.2
30°-40°	95.5	14.6
40°-50°	55.5	8.5
50°-60°	41.2	6.3
60°-70°	34.8	5.3
70°-80°	28.7	4.4
80°-90°	12.0	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°	388.3	59.2
0°-40°	483.7	73.7
0°-60°	580.4	88.5
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	882	881	879	881	882	80
15°	599	593	585	586	587	166
25°	329	320	305	313	320	152
35°	156	151	145	150	154	99
45°	68	69	72	69	68	55
55°	46	45	45	45	46	42
65°	38	35	32	35	38	38
75°	36	26	22	26	36	37
85°	12	13	7	13	13	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.2	930.2	930.2	930.2	930.2
1°	927.9	929.0	927.9	929.0	930.2
2°	922.1	923.3	922.1	922.1	923.3
3°	910.6	911.7	911.7	911.7	912.9
4°	896.7	897.9	896.7	897.9	899.0
5°	881.7	880.6	879.4	880.6	881.7
6°	861.0	859.8	858.6	859.8	861.0
7°	837.9	836.7	835.6	835.6	836.7
8°	809.0	810.2	806.7	809.0	810.2
9°	783.6	781.3	779.0	779.0	781.3
10°	752.5	750.2	750.2	749.0	749.0
12.5°	676.3	671.7	668.2	668.2	669.4
15°	599.0	593.2	585.1	586.3	587.4
17.5°	521.7	514.7	504.3	506.6	509.0
20°	448.9	442.0	429.3	433.9	437.4
22.5°	386.6	376.2	364.7	368.2	379.7
25°	328.9	319.7	304.7	312.8	319.7
27.5°	278.1	267.8	255.1	263.1	270.1
30°	233.1	223.9	212.4	219.3	226.2
32.5°	192.7	184.7	176.6	181.2	187.0
35°	155.8	151.2	145.4	150.0	153.5
37.5°	125.8	123.5	121.2	123.5	122.3
40°	100.4	101.6	100.4	100.4	98.1
42.5°	79.6	83.1	84.2	81.9	79.6
45°	68.1	69.2	71.6	69.2	68.1
47.5°	60.0	60.0	61.2	60.0	58.9
50°	54.2	54.2	54.2	54.2	54.2
52.5°	49.6	49.6	48.5	49.6	49.6
55°	46.2	45.0	45.0	45.0	46.2
57.5°	43.9	42.7	41.5	42.7	43.9
60°	41.5	39.2	38.1	39.2	41.5
62.5°	39.2	36.9	35.8	36.9	39.2
65°	38.1	34.6	32.3	34.6	38.1
67.5°	36.9	32.3	30.0	32.3	38.1
70°	36.9	30.0	26.5	31.2	36.9
72.5°	35.8	28.9	24.2	28.9	35.8
75°	35.8	26.5	21.9	26.5	35.8
77.5°	33.5	24.2	18.5	24.2	33.5
80°	30.0	21.9	15.0	21.9	28.9
82.5°	21.9	18.5	11.5	18.5	21.9
85°	11.5	12.7	6.9	12.7	12.7
87.5°	1.2	4.6	2.3	6.9	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)