

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: P1314958

Luminaire Tested: LDSQA3D20R309730D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309730D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

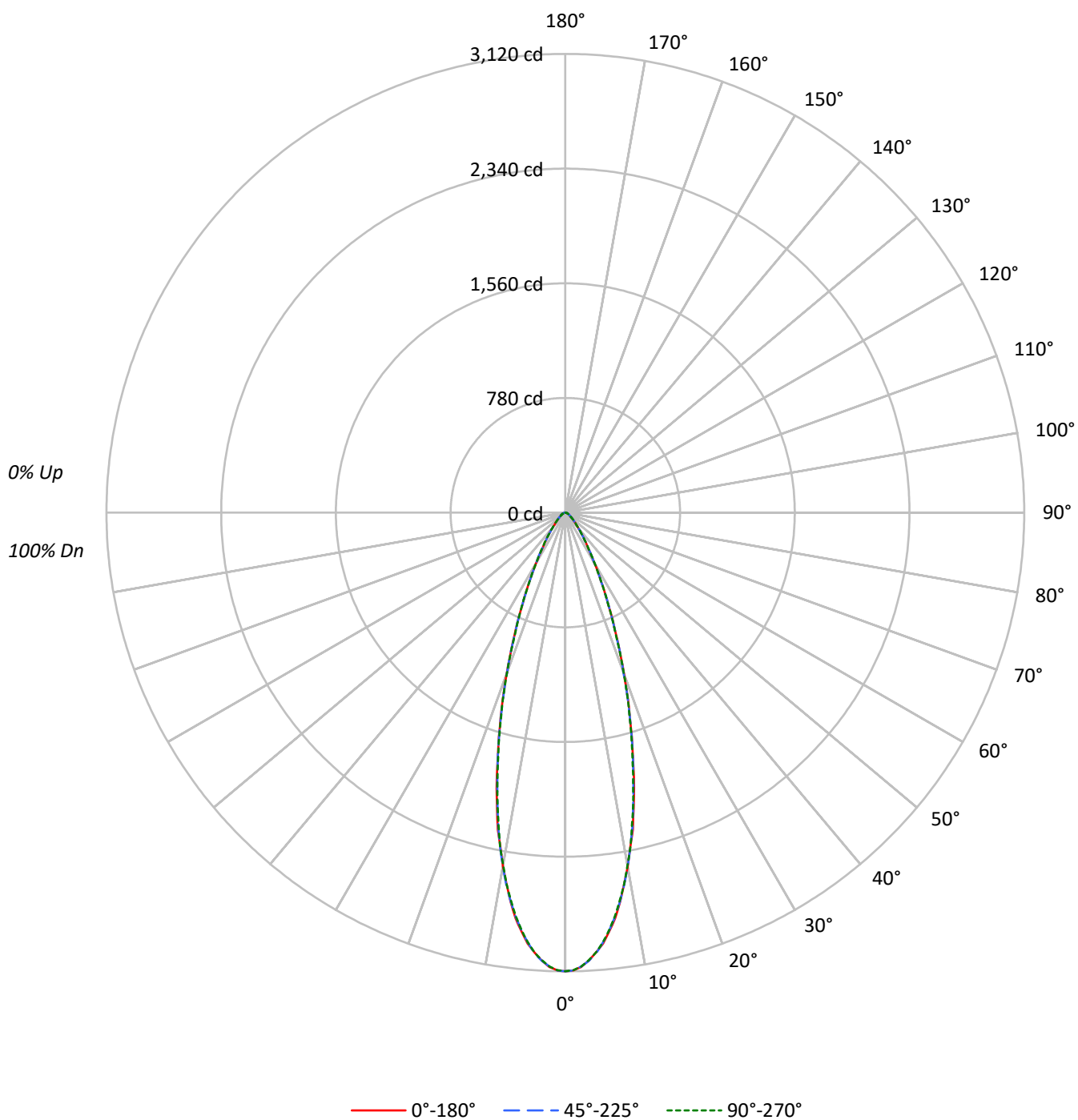
Lumens per Lamp: N/A
Luminaire Lumens: 1370.0 lumens
Efficiency: N/A
Efficacy: 47.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	537249	537249	537249
5°	508632	507335	507076
10°	427318	427318	425727
15°	318369	317567	315659
20°	213076	211958	212251
25°	131346	131061	131631
30°	78970	78970	79288
35°	48440	48440	48756
40°	30666	30666	31362
45°	21044	21409	21409
50°	15433	15433	15433
55°	11830	12281	12281
60°	9920	9920	10437
65°	8639	8639	8639
70°	7654	8409	8409
75°	7053	7053	7053
80°	6050	6050	6050
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 21409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.5	19.3
10°-20°	488.3	35.6
20°-30°	324.6	23.7
30°-40°	150.0	11.0
40°-50°	69.7	5.1
50°-60°	37.2	2.7
60°-70°	21.7	1.6
70°-80°	11.5	0.8
80°-90°	2.5	0.2
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°	1077.3	78.6
0°-40°	1227.4	89.6
0°-60°	1334.3	97.4
0°-90°	1370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3120	3120	3120	3120	3120	
5°	2942	2936	2935	2942	2933	265
15°	1786	1792	1781	1781	1770	490
25°	691	690	690	690	693	325
35°	230	229	230	232	232	149
45°	86	86	88	88	88	69
55°	39	41	41	41	41	37
65°	21	21	21	21	21	21
75°	11	11	11	11	11	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3119.5	3119.5	3119.5	3119.5	3119.5
1°	3113.4	3110.4	3113.4	3118.0	3111.9
2°	3092.2	3089.2	3089.2	3095.2	3089.2
3°	3051.3	3054.3	3052.8	3058.9	3048.3
4°	2999.7	2998.2	3004.3	3007.3	2998.2
5°	2942.1	2936.1	2934.6	2942.1	2933.1
6°	2863.3	2858.8	2855.7	2864.8	2852.7
7°	2778.4	2775.4	2770.9	2773.9	2764.8
8°	2673.9	2672.3	2669.3	2672.3	2661.7
9°	2557.1	2557.1	2563.2	2561.7	2555.6
10°	2443.5	2446.5	2443.5	2446.5	2434.4
11°	2316.1	2316.1	2319.2	2317.6	2319.2
12°	2205.5	2193.3	2190.3	2187.3	2178.2
13°	2063.0	2053.9	2050.9	2053.9	2049.3
14°	1932.6	1926.6	1911.4	1914.4	1908.4
15°	1785.6	1791.7	1781.1	1781.1	1770.4
17.5°	1459.7	1453.6	1456.7	1458.2	1453.6
20°	1162.6	1159.6	1156.5	1153.5	1158.1
22.5°	903.4	904.9	901.9	898.9	895.8
25°	691.2	689.7	689.7	689.7	692.7
27.5°	524.5	524.5	524.5	526.0	526.0
30°	397.1	394.1	397.1	398.7	398.7
32.5°	297.1	300.1	301.6	301.6	301.6
35°	230.4	228.9	230.4	231.9	231.9
37.5°	175.8	175.8	177.3	177.3	178.9
40°	136.4	136.4	136.4	137.9	139.5
42.5°	107.6	107.6	109.1	109.1	110.7
45°	86.4	86.4	87.9	87.9	87.9
47.5°	69.7	69.7	71.2	71.2	71.2
50°	57.6	57.6	57.6	57.6	57.6
52.5°	48.5	47.0	48.5	48.5	48.5
55°	39.4	40.9	40.9	40.9	40.9
57.5°	33.3	34.9	34.9	34.9	34.9
60°	28.8	28.8	28.8	30.3	30.3
62.5°	24.3	25.8	25.8	25.8	25.8
65°	21.2	21.2	21.2	21.2	21.2
67.5°	18.2	18.2	18.2	18.2	19.7
70°	15.2	15.2	16.7	16.7	16.7
72.5°	13.6	13.6	13.6	13.6	13.6
75°	10.6	10.6	10.6	10.6	10.6
77.5°	7.6	7.6	9.1	9.1	7.6
80°	6.1	6.1	6.1	6.1	6.1
82.5°	4.5	4.5	4.5	4.5	4.5
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)