

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: P1319352

Luminaire Tested: LDSQA3D17R209835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319352
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: LDSQA3D17R209835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

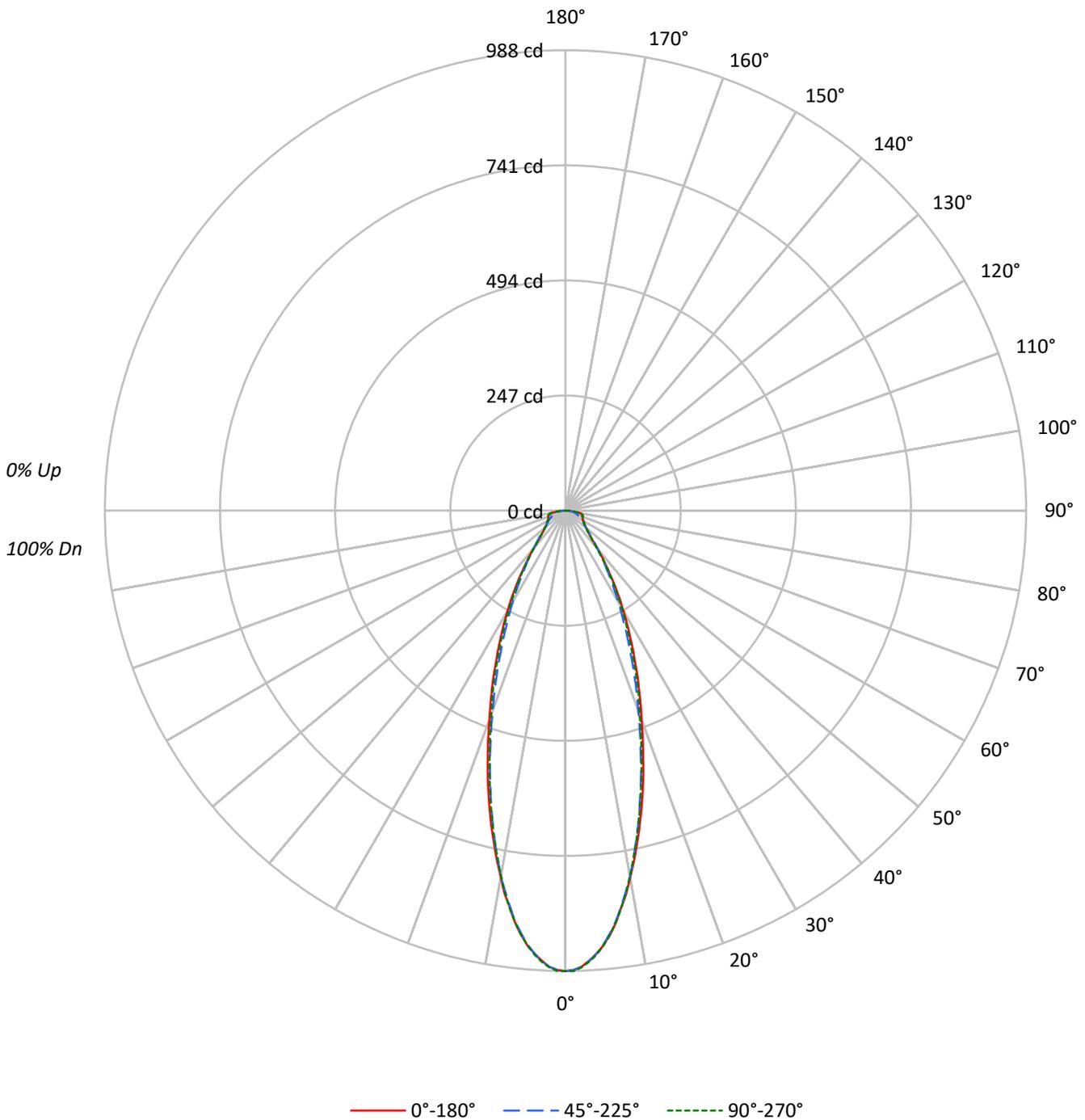
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 34.2 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): 20.4
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





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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°	170208	170208	170208
5°	161954	161540	161954
10°	139816	139379	139169
15°	113469	110848	111294
20°	87422	83610	85168
25°	66414	61512	64552
30°	49259	44864	47787
35°	34796	32483	34291
40°	23988	23988	23426
45°	17609	18511	17609
50°	15433	15433	15433
55°	14713	14352	14713
60°	15190	13950	15190
65°	16504	13978	16504
70°	19739	14200	19739
75°	25286	15504	25286
80°	31638	15769	30448
85°	24305	14623	26676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 31638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	12.2
10°-20°	173.1	24.8
20°-30°	154.6	22.2
30°-40°	101.4	14.6
40°-50°	59.0	8.5
50°-60°	43.8	6.3
60°-70°	37.0	5.3
70°-80°	30.6	4.4
80°-90°	12.7	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°	412.5	59.2
0°-40°	514.0	73.7
0°-60°	616.7	88.5
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	937	936	934	936	937	85
15°	636	630	622	623	624	176
25°	350	340	324	332	340	161
35°	166	161	154	159	163	105
45°	72	74	76	74	72	58
55°	49	48	48	48	49	45
65°	40	37	34	37	40	40
75°	38	28	23	28	38	39
85°	12	14	7	14	14	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.3	988.3	988.3	988.3	988.3
1°	985.9	987.1	985.9	987.1	988.3
2°	979.8	981.0	979.8	979.8	981.0
3°	967.5	968.7	968.7	968.7	969.9
4°	952.8	954.0	952.8	954.0	955.2
5°	936.8	935.6	934.4	935.6	936.8
6°	914.8	913.5	912.3	913.5	914.8
7°	890.2	889.0	887.8	887.8	889.0
8°	859.6	860.8	857.1	859.6	860.8
9°	832.6	830.2	827.7	827.7	830.2
10°	799.5	797.0	797.0	795.8	795.8
12.5°	718.6	713.7	710.0	710.0	711.2
15°	636.4	630.3	621.7	622.9	624.2
17.5°	554.3	546.9	535.9	538.3	540.8
20°	477.0	469.6	456.2	461.1	464.7
22.5°	410.8	399.8	387.5	391.2	403.4
25°	349.5	339.7	323.7	332.3	339.7
27.5°	295.5	284.5	271.0	279.6	286.9
30°	247.7	237.9	225.6	233.0	240.3
32.5°	204.8	196.2	187.6	192.5	198.6
35°	165.5	160.6	154.5	159.4	163.1
37.5°	133.7	131.2	128.8	131.2	130.0
40°	106.7	107.9	106.7	106.7	104.2
42.5°	84.6	88.3	89.5	87.1	84.6
45°	72.3	73.6	76.0	73.6	72.3
47.5°	63.8	63.8	65.0	63.8	62.5
50°	57.6	57.6	57.6	57.6	57.6
52.5°	52.7	52.7	51.5	52.7	52.7
55°	49.0	47.8	47.8	47.8	49.0
57.5°	46.6	45.4	44.1	45.4	46.6
60°	44.1	41.7	40.5	41.7	44.1
62.5°	41.7	39.2	38.0	39.2	41.7
65°	40.5	36.8	34.3	36.8	40.5
67.5°	39.2	34.3	31.9	34.3	40.5
70°	39.2	31.9	28.2	33.1	39.2
72.5°	38.0	30.7	25.8	30.7	38.0
75°	38.0	28.2	23.3	28.2	38.0
77.5°	35.6	25.8	19.6	25.8	35.6
80°	31.9	23.3	15.9	23.3	30.7
82.5°	23.3	19.6	12.3	19.6	23.3
85°	12.3	13.5	7.4	13.5	13.5
87.5°	1.2	4.9	2.5	7.4	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)