

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P599605

Luminaire Tested: **IFLD-S-SA2D-830-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P599605  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/04/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA2D-830-U-SLL-HSS  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield  
 Light Source: (32) 3000K CCT, 80 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

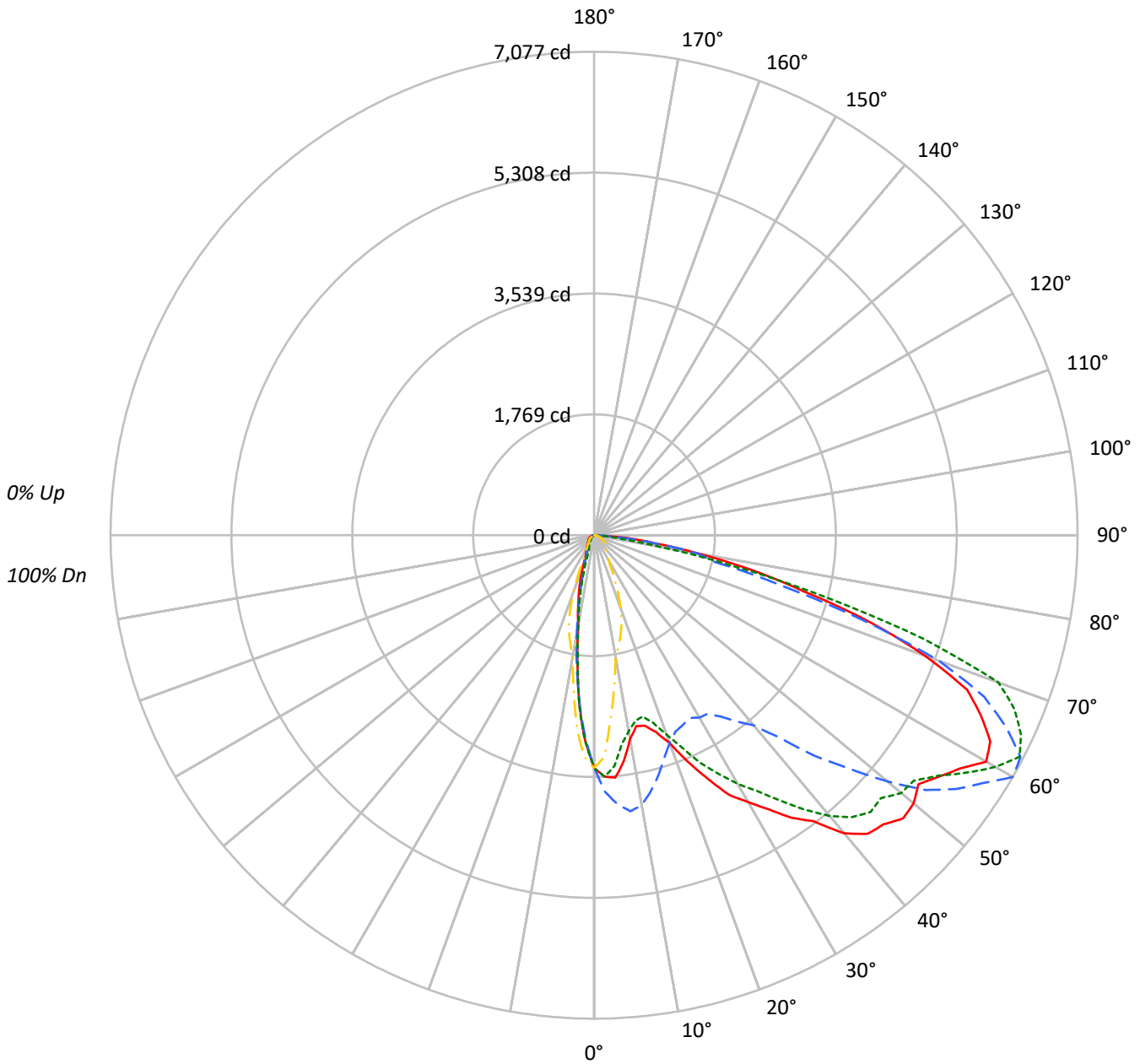
Lumens per Lamp: N/A  
 Luminaire Lumens: 9051.2 lumens  
 Efficiency: N/A  
 Efficacy: 73.1 lumens/watt  
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63  
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
 CIE Type: Direct

Input Watts (W): 123.9  
 Input Voltage (V): 120  
 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: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°

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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	100	100	100	100
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79	79	79	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61	61	61	61
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48	48	48	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39	39	39	39
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32	32	32	32
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27	27	27	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23	23	23	23
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20	20	20	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	73264	73264	73264	73264
5°	76990	73282	53539	53852
10°	66203	63667	29270	28584
15°	64374	61196	19015	14328
20°	74199	71099	10188	5095
25°	93296	87267	6603	3962
30°	112056	104424	5347	3244
35°	132696	124502	4384	2604
40°	160100	150725	3873	1970
45°	182274	174328	3605	1324
50°	204478	196547	3560	810
55°	231239	230424	3539	364
60°	285351	292115	3225	103
65°	318395	351144	2954	0
70°	324661	396315	2738	0
75°	264171	292318	2612	0
80°	192073	122263	2703	0
85°	124169	51352	3582	0

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.5	2.9
10°-20°	507.0	5.6
20°-30°	701.6	7.8
30°-40°	991.5	11.0
40°-50°	1350.0	14.9
50°-60°	1787.9	19.8
60°-70°	2075.9	22.9
70°-80°	1175.6	13.0
80°-90°	203.1	2.2
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°	1467.1	16.2
0°-40°	2458.6	27.2
0°-60°	5596.5	61.8
0°-90°	9051.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9051.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3403	3403	3403	3403	3403	
5°	3563	3391	2478	2492	3563	320
15°	2888	2746	853	643	2888	847
25°	3928	3674	278	167	3928	1832
35°	5049	4737	167	99	5049	3183
45°	5987	5726	118	44	5987	4642
55°	6161	6139	94	10	6161	5582
65°	6250	6893	58	0	6250	6093
75°	3176	3514	31	0	3176	3466
85°	503	208	14	0	503	604
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2
2.5°	3536.1	3611.1	3613.5	3647.3	3681.1	3681.1	3760.9	3741.6	3671.5	3659.4	3608.6
5°	3562.7	3589.3	3608.6	3780.2	3925.3	3910.8	3954.3	3925.3	3789.9	3615.9	3497.5
7.5°	3333.1	3362.1	3439.4	3731.9	3927.7	3992.9	4075.1	3893.8	3751.2	3437.0	3209.8
10°	3028.5	3084.1	3226.7	3560.3	3802.0	4009.9	4009.9	3864.8	3589.3	3282.3	3004.4
12.5°	2859.4	2970.5	3047.9	3386.3	3700.5	3843.1	3838.3	3760.9	3582.0	3195.3	2881.1
15°	2888.4	2919.8	3084.1	3347.6	3555.5	3548.2	3635.2	3611.1	3485.4	3272.7	2927.0
17.5°	3021.3	3069.6	3212.2	3347.6	3446.7	3417.7	3415.3	3531.3	3538.5	3403.2	3098.6
20°	3238.8	3381.4	3449.1	3490.2	3369.3	3246.1	3231.6	3393.5	3519.2	3570.0	3304.1
22.5°	3586.9	3681.1	3818.9	3608.6	3294.4	3139.7	3110.7	3289.6	3543.4	3768.2	3570.0
25°	3927.7	4000.2	4133.1	3862.4	3379.0	3118.0	3067.2	3221.9	3635.2	4043.7	3891.4
27.5°	4287.8	4350.7	4365.2	4048.5	3424.9	3074.5	3014.0	3221.9	3712.6	4188.7	4275.7
30°	4507.8	4582.7	4597.2	4212.9	3499.9	3110.7	3081.7	3236.4	3765.7	4312.0	4551.3
32.5°	4754.3	4773.6	4761.6	4241.9	3582.0	3217.1	3096.2	3333.1	3826.2	4459.4	4802.6
35°	5049.2	5083.0	4959.8	4374.8	3765.7	3284.8	3241.2	3451.5	3930.1	4527.1	5107.2
37.5°	5274.0	5380.3	5102.4	4425.6	3802.0	3427.4	3434.6	3698.1	4002.6	4609.3	5443.2
40°	5697.0	5518.1	5344.1	4599.6	3939.8	3669.1	3630.4	3951.9	4246.7	4662.5	5663.1
42.5°	5929.0	5834.7	5438.3	4616.5	4152.5	4002.6	4012.3	4239.5	4374.8	4812.3	5723.5
45°	5987.0	5887.9	5566.4	4628.6	4362.7	4396.6	4563.4	4606.9	4563.4	4911.4	5837.1
47.5°	6134.4	5919.3	5551.9	4790.6	4703.6	4834.1	5046.8	5141.0	4819.6	4875.2	5890.3
50°	6105.4	5982.2	5520.5	4858.2	5119.3	5464.9	5607.5	5568.9	5104.8	4800.2	5832.3
52.5°	5984.6	5851.6	5617.2	5041.9	5508.4	5926.6	6124.8	6028.1	5358.6	4969.4	5793.6
55°	6161.0	6059.5	5742.9	5290.9	5800.9	6332.6	6472.8	6400.3	5670.4	5126.5	6013.6
57.5°	6352.0	6330.2	6083.7	5583.4	6146.5	6750.8	6750.8	6661.4	5941.1	5353.7	6339.9
60°	6627.5	6675.9	6335.1	5776.7	6265.0	6726.6	7077.1	6973.1	6214.2	5752.5	6709.7
62.5°	6538.1	6692.8	6658.9	6192.4	6400.3	6845.0	7036.0	7113.3	6552.6	6238.4	7202.8
65°	6250.5	6414.8	6656.5	6465.6	6298.8	6557.4	6654.1	6888.6	6721.8	6695.2	7405.8
67.5°	5907.2	6086.1	6236.0	6649.3	6093.3	6265.0	6180.4	6255.3	6538.1	7195.5	7521.8
70°	5158.0	5329.6	5566.4	6240.8	5549.5	5394.8	5373.1	5336.8	5776.7	7016.7	6994.9
72.5°	4241.9	4321.7	4713.2	5073.4	4106.5	4077.5	4111.4	4070.3	4580.3	6352.0	5991.8
75°	3176.0	3255.7	3478.1	3896.3	2796.5	2629.7	2823.1	3014.0	3497.5	4930.8	4304.7
77.5°	2388.0	2489.5	2629.7	2914.9	2052.1	1791.0	1817.6	1998.9	2528.2	3949.4	2412.2
80°	1549.3	1537.2	1807.9	2006.1	1544.5	1592.8	1525.1	1658.1	1832.1	2112.5	1232.7
82.5°	894.3	906.4	1020.0	1150.5	1075.6	1230.3	887.1	1481.6	1307.6	860.5	459.2
85°	502.7	524.5	628.4	797.6	674.4	452.0	369.8	734.8	821.8	352.9	222.4
87.5°	50.8	43.5	84.6	302.1	183.7	74.9	111.2	176.4	198.2	132.9	65.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2
2.5°	3536.1	3536.1	3475.7	3374.2	3333.1	3260.6	3161.5	3192.9	3159.1	3035.8	3004.4
5°	3391.1	3275.1	3149.4	2994.7	2905.3	2721.6	2663.6	2559.6	2576.6	2472.6	2477.5
7.5°	3089.0	2997.1	2784.4	2581.4	2405.0	2245.4	2020.6	1936.0	1853.9	1812.8	1861.1
10°	2912.5	2740.9	2450.9	2185.0	1950.5	1807.9	1658.1	1542.1	1435.7	1356.0	1339.0
12.5°	2784.4	2632.2	2281.7	1957.8	1774.1	1658.1	1520.3	1360.8	1256.9	1119.1	1078.0
15°	2745.8	2559.6	2189.8	1868.4	1689.5	1498.6	1341.5	1184.3	1049.0	904.0	853.2
17.5°	2878.7	2663.6	2187.4	1795.9	1544.5	1339.0	1121.5	945.1	807.3	674.4	642.9
20°	3103.5	2774.8	2257.5	1752.4	1406.7	1131.2	884.6	708.2	553.5	466.5	444.7
22.5°	3359.7	2963.3	2264.8	1636.3	1268.9	923.3	645.3	466.5	379.5	338.4	326.3
25°	3673.9	3265.4	2351.8	1542.1	1107.0	700.9	459.2	357.7	307.0	282.8	278.0
27.5°	3932.5	3475.7	2446.0	1443.0	947.5	519.7	360.1	292.5	265.9	241.7	239.3
30°	4200.8	3717.4	2472.6	1382.5	809.7	427.8	309.4	258.6	229.6	217.5	215.1
32.5°	4435.3	3980.9	2557.2	1283.4	679.2	377.1	280.4	232.0	212.7	193.4	190.9
35°	4737.4	4133.1	2598.3	1230.3	630.8	340.8	256.2	212.7	183.7	171.6	166.8
37.5°	5061.3	4280.6	2624.9	1189.2	589.8	319.0	241.7	200.6	174.0	157.1	152.3
40°	5363.4	4488.4	2586.2	1138.4	558.3	292.5	232.0	186.1	161.9	145.0	137.8
42.5°	5595.4	4691.5	2574.1	1090.1	524.5	282.8	220.0	178.9	152.3	132.9	130.5
45°	5726.0	4829.2	2489.5	1051.4	497.9	287.6	215.1	169.2	145.0	128.1	118.4
47.5°	5694.5	4935.6	2511.3	1039.3	461.7	268.3	212.7	161.9	132.9	118.4	111.2
50°	5868.6	5150.7	2475.0	1000.7	435.1	241.7	232.0	161.9	130.5	113.6	106.3
52.5°	5897.6	5346.5	2552.4	930.6	394.0	222.4	229.6	159.5	125.7	108.8	99.1
55°	6139.3	5573.7	2702.2	891.9	360.1	193.4	210.3	154.7	113.6	99.1	94.3
57.5°	6468.0	6045.0	2798.9	855.6	314.2	169.2	176.4	152.3	103.9	91.8	84.6
60°	6784.6	6233.5	2806.2	790.4	270.7	152.3	137.8	152.3	96.7	82.2	74.9
62.5°	7021.5	6233.5	2757.8	734.8	236.9	135.4	120.9	145.0	87.0	72.5	67.7
65°	6893.4	6066.8	2632.2	688.9	215.1	118.4	103.9	111.2	77.3	62.8	58.0
67.5°	6663.8	5547.1	2354.2	633.3	212.7	103.9	89.4	82.2	67.7	55.6	50.8
70°	6296.4	4846.2	1960.2	570.4	207.9	94.3	79.8	70.1	60.4	48.3	43.5
72.5°	5073.4	4002.6	1609.7	534.2	203.0	82.2	67.7	60.4	50.8	41.1	36.3
75°	3514.4	2557.2	1239.9	456.8	198.2	74.9	62.8	53.2	43.5	33.8	31.4
77.5°	2107.7	1708.8	800.0	343.2	130.5	60.4	53.2	41.1	36.3	29.0	26.6
80°	986.2	807.3	323.9	132.9	62.8	43.5	36.3	31.4	29.0	24.2	21.8
82.5°	386.7	340.8	157.1	77.3	50.8	33.8	29.0	26.6	24.2	19.3	16.9
85°	207.9	183.7	74.9	53.2	36.3	24.2	24.2	21.8	19.3	16.9	14.5
87.5°	45.9	33.8	31.4	31.4	26.6	19.3	19.3	16.9	14.5	12.1	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2
2.5°	2987.5	3023.7	2965.7	3002.0	2951.2	2989.9	2994.7	2958.5	2968.1	3016.5	3038.2
5°	2545.1	2521.0	2467.8	2450.9	2453.3	2421.9	2434.0	2450.9	2477.5	2492.0	2535.5
7.5°	1834.5	1890.1	1887.7	1928.8	1931.2	1926.4	1892.5	1820.0	1844.2	1824.9	1849.0
10°	1312.5	1336.6	1382.5	1409.1	1457.5	1430.9	1353.5	1324.5	1310.0	1307.6	1331.8
12.5°	1049.0	991.0	986.2	995.8	1020.0	988.6	949.9	916.1	933.0	966.8	993.4
15°	812.1	763.8	700.9	691.3	696.1	681.6	640.5	597.0	609.1	642.9	662.3
17.5°	623.6	568.0	524.5	495.5	485.8	435.1	374.6	338.4	328.7	326.3	343.2
20°	420.6	410.9	403.6	367.4	367.4	294.9	244.1	217.5	217.5	222.4	224.8
22.5°	314.2	302.1	304.5	297.3	278.0	220.0	193.4	186.1	186.1	190.9	190.9
25°	273.1	256.2	251.4	249.0	229.6	188.5	169.2	161.9	161.9	166.8	166.8
27.5°	232.0	227.2	220.0	210.3	193.4	161.9	149.9	142.6	145.0	147.4	145.0
30°	212.7	200.6	190.9	190.9	171.6	145.0	135.4	130.5	125.7	130.5	132.9
32.5°	188.5	181.3	176.4	169.2	147.4	128.1	118.4	113.6	111.2	111.2	113.6
35°	161.9	161.9	157.1	147.4	128.1	116.0	103.9	99.1	96.7	99.1	99.1
37.5°	145.0	137.8	140.2	130.5	113.6	101.5	89.4	84.6	84.6	82.2	84.6
40°	135.4	123.3	116.0	111.2	101.5	87.0	77.3	72.5	70.1	70.1	70.1
42.5°	120.9	111.2	96.7	94.3	91.8	74.9	62.8	60.4	58.0	55.6	55.6
45°	113.6	99.1	87.0	74.9	74.9	62.8	53.2	48.3	45.9	43.5	45.9
47.5°	103.9	89.4	74.9	62.8	60.4	50.8	41.1	36.3	33.8	33.8	33.8
50°	99.1	79.8	65.3	53.2	45.9	41.1	31.4	26.6	24.2	24.2	24.2
52.5°	91.8	74.9	58.0	45.9	36.3	31.4	24.2	19.3	16.9	16.9	16.9
55°	82.2	67.7	50.8	38.7	31.4	24.2	16.9	12.1	9.7	9.7	9.7
57.5°	77.3	60.4	43.5	33.8	24.2	16.9	9.7	7.3	7.3	4.8	7.3
60°	70.1	53.2	36.3	26.6	19.3	12.1	7.3	2.4	2.4	2.4	2.4
62.5°	60.4	45.9	31.4	21.8	14.5	7.3	2.4	0.0	0.0	0.0	0.0
65°	50.8	36.3	24.2	16.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	43.5	31.4	19.3	12.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	38.7	26.6	14.5	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	31.4	21.8	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	26.6	16.9	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	21.8	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	16.9	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P599605  
 CATALOG NUMBER: IFLD-S-SA2D-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2
2.5°	3069.6	3055.1	3127.6	3246.1	3306.5	3424.9	3453.9	3528.9	3509.5	3536.1
5°	2540.3	2569.3	2675.7	2849.7	2912.5	3084.1	3246.1	3408.0	3512.0	3562.7
7.5°	1885.3	1982.0	2112.5	2272.0	2434.0	2658.7	2934.3	3122.8	3224.3	3333.1
10°	1404.3	1508.2	1658.1	1815.2	2078.7	2330.0	2605.6	2840.0	2927.0	3028.5
12.5°	1104.6	1266.5	1440.6	1609.7	1766.9	2006.1	2346.9	2687.7	2782.0	2859.4
15°	768.6	966.8	1215.8	1435.7	1655.7	1863.5	2216.4	2629.7	2757.8	2888.4
17.5°	425.4	582.5	867.7	1177.1	1501.0	1820.0	2259.9	2736.1	2929.4	3021.3
20°	246.5	309.4	512.4	879.8	1307.6	1725.8	2281.7	2936.7	3192.9	3238.8
22.5°	203.0	224.8	290.0	551.1	1070.7	1665.3	2392.9	3217.1	3478.1	3586.9
25°	174.0	190.9	224.8	331.1	809.7	1537.2	2463.0	3567.5	3809.2	3927.7
27.5°	154.7	171.6	198.2	244.1	551.1	1360.8	2579.0	3884.2	4125.9	4287.8
30°	135.4	149.9	176.4	207.9	381.9	1162.6	2678.1	4116.2	4457.0	4507.8
32.5°	120.9	132.9	152.3	178.9	282.8	882.2	2757.8	4355.5	4643.1	4754.3
35°	103.9	118.4	130.5	152.3	215.1	664.7	2709.5	4541.6	4916.3	5049.2
37.5°	91.8	101.5	113.6	128.1	181.3	519.7	2610.4	4764.0	5150.7	5274.0
40°	77.3	84.6	99.1	113.6	164.4	401.2	2496.8	5032.3	5479.4	5697.0
42.5°	65.3	72.5	82.2	106.3	135.4	297.3	2267.2	5240.1	5745.3	5929.0
45°	50.8	60.4	74.9	106.3	108.8	220.0	2030.3	5394.8	5895.2	5987.0
47.5°	38.7	48.3	72.5	91.8	87.0	152.3	1749.9	5571.3	6049.8	6134.4
50°	29.0	38.7	82.2	79.8	72.5	116.0	1573.5	5694.5	6059.5	6105.4
52.5°	19.3	29.0	67.7	60.4	60.4	101.5	1525.1	5689.7	6083.7	5984.6
55°	14.5	21.8	38.7	43.5	53.2	89.4	1481.6	5871.0	6090.9	6161.0
57.5°	9.7	16.9	26.6	33.8	45.9	77.3	1392.2	6088.5	6315.7	6352.0
60°	4.8	12.1	19.3	26.6	38.7	67.7	1266.5	6248.0	6588.8	6627.5
62.5°	2.4	7.3	14.5	21.8	31.4	53.2	1136.0	5994.2	6470.4	6538.1
65°	0.0	4.8	9.7	14.5	19.3	38.7	923.3	5411.7	6001.5	6250.5
67.5°	0.0	0.0	4.8	9.7	12.1	29.0	696.1	4923.5	5568.9	5907.2
70°	0.0	0.0	2.4	2.4	7.3	21.8	444.7	4077.5	4971.8	5158.0
72.5°	0.0	0.0	0.0	0.0	2.4	14.5	258.6	3028.5	3896.3	4241.9
75°	0.0	0.0	0.0	0.0	0.0	12.1	130.5	1948.1	2711.9	3176.0
77.5°	0.0	0.0	0.0	0.0	0.0	9.7	70.1	1256.9	1998.9	2388.0
80°	0.0	0.0	0.0	0.0	0.0	2.4	41.1	729.9	1278.6	1549.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	16.9	357.7	763.8	894.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	190.9	381.9	502.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	26.6	50.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)