

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: P599610

Luminaire Tested: **IFLD-S-SA3D-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: P599610
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3D-830-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (48) 3000K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

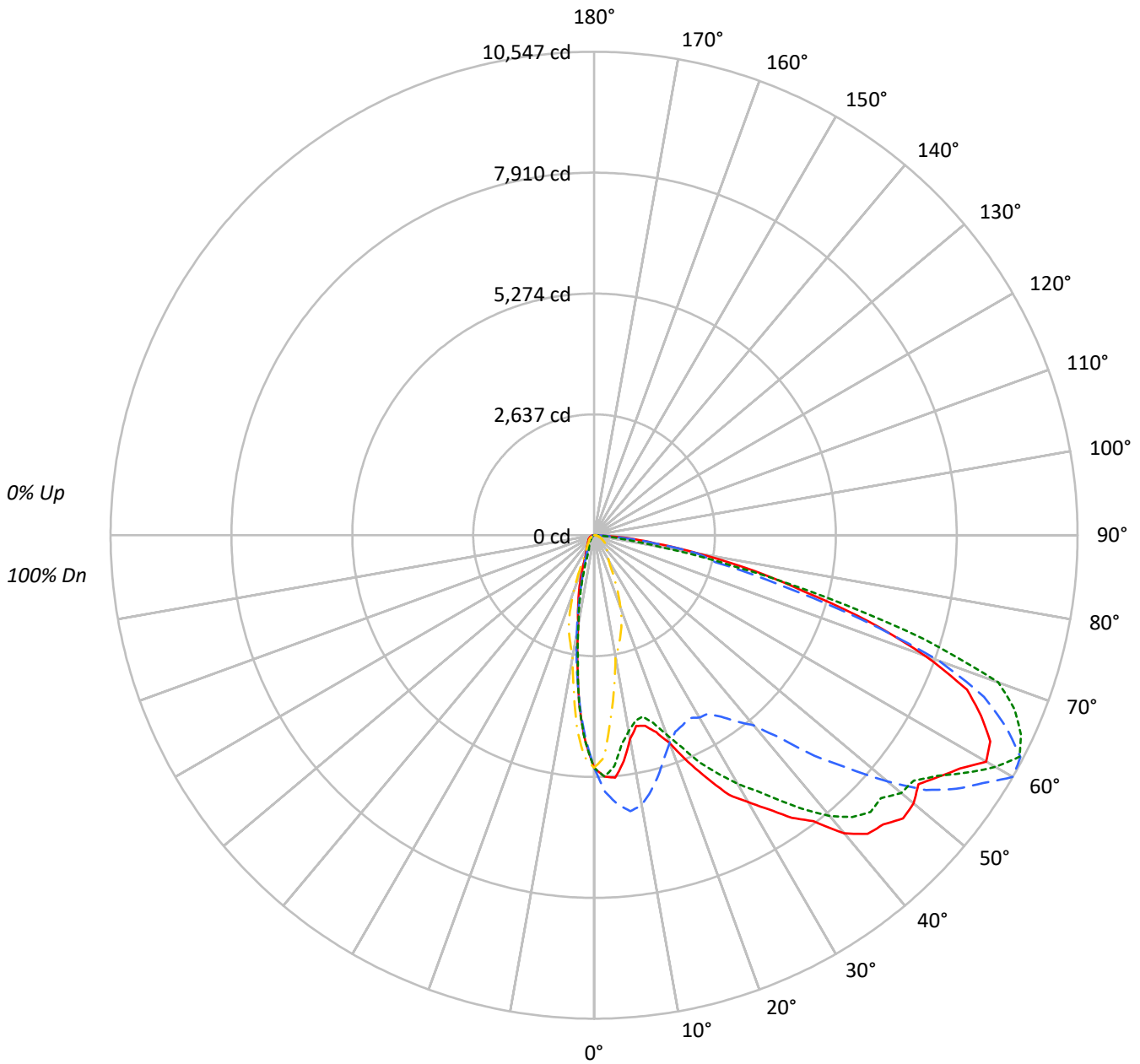
Lumens per Lamp: N/A
 Luminaire Lumens: 13488.7 lumens
 Efficiency: N/A
 Efficacy: 73.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 184.1
 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	
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79			79	
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61			61	
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48			48	
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39			39	
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32			32	
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27			27	
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23			23	
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20			20	
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18			18	
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16			16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	72787	72787	72787	72787
5°	76491	72806	53191	53502
10°	65774	63254	29081	28399
15°	63955	60798	18892	14236
20°	73718	70637	10123	5061
25°	92690	86701	6559	3935
30°	111328	103747	5313	3223
35°	131834	123694	4354	2588
40°	159061	149747	3846	1958
45°	181091	173195	3582	1315
50°	203152	195270	3539	804
55°	229737	228927	3516	360
60°	283499	290221	3206	103
65°	316326	348866	2934	0
70°	322550	393743	2719	0
75°	262457	290416	2595	0
80°	190829	121461	2678	0
85°	123370	51015	3557	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.3	2.9
10°-20°	755.5	5.6
20°-30°	1045.5	7.8
30°-40°	1477.6	11.0
40°-50°	2011.8	14.9
50°-60°	2664.5	19.8
60°-70°	3093.7	22.9
70°-80°	1752.0	13.0
80°-90°	302.7	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°	2186.4	16.2
0°-40°	3664.0	27.2
0°-60°	8340.3	61.8
0°-90°	13488.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13488.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5072	5072	5072	5072	5072	
5°	5309	5054	3692	3714	5309	477
15°	4304	4092	1272	958	4304	1263
25°	5853	5475	414	248	5853	2730
35°	7525	7060	248	148	7525	4744
45°	8922	8533	176	65	8922	6917
55°	9182	9149	140	14	9182	8319
65°	9315	10273	86	0	9315	9080
75°	4733	5237	47	0	4733	5166
85°	749	310	22	0	749	900
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°	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6
2.5°	5269.8	5381.4	5385.0	5435.4	5485.9	5485.9	5604.7	5575.9	5471.5	5453.5	5377.8
5°	5309.4	5349.0	5377.8	5633.6	5849.7	5828.1	5892.9	5849.7	5648.0	5388.6	5212.1
7.5°	4967.2	5010.4	5125.7	5561.5	5853.3	5950.5	6073.0	5802.9	5590.3	5122.1	4783.5
10°	4513.3	4596.2	4808.7	5305.8	5666.0	5975.8	5975.8	5759.6	5349.0	4891.5	4477.3
12.5°	4261.2	4426.9	4542.1	5046.4	5514.7	5727.2	5720.0	5604.7	5338.2	4761.9	4293.6
15°	4304.4	4351.2	4596.2	4988.8	5298.6	5287.8	5417.4	5381.4	5194.1	4877.1	4362.0
17.5°	4502.5	4574.6	4787.1	4988.8	5136.5	5093.3	5089.7	5262.6	5273.4	5071.6	4617.8
20°	4826.7	5039.2	5140.1	5201.3	5021.2	4837.5	4815.9	5057.2	5244.5	5320.2	4924.0
22.5°	5345.4	5485.9	5691.2	5377.8	4909.6	4679.0	4635.8	4902.3	5280.6	5615.5	5320.2
25°	5853.3	5961.3	6159.5	5756.0	5035.6	4646.6	4571.0	4801.5	5417.4	6026.2	5799.3
27.5°	6390.0	6483.6	6505.2	6033.4	5104.1	4581.8	4491.7	4801.5	5532.7	6242.3	6372.0
30°	6717.8	6829.4	6851.0	6278.3	5215.7	4635.8	4592.6	4823.1	5611.9	6426.0	6782.6
32.5°	7085.2	7114.0	7096.0	6321.5	5338.2	4794.3	4614.2	4967.2	5702.0	6645.7	7157.2
35°	7524.6	7575.0	7391.3	6519.7	5611.9	4895.1	4830.3	5143.7	5856.9	6746.6	7611.1
37.5°	7859.6	8018.1	7603.9	6595.3	5666.0	5107.7	5118.5	5511.1	5964.9	6869.1	8111.7
40°	8490.0	8223.4	7964.1	6854.6	5871.3	5467.9	5410.2	5889.3	6328.7	6948.3	8439.5
42.5°	8835.8	8695.3	8104.5	6879.9	6188.3	5964.9	5979.4	6317.9	6519.7	7171.6	8529.6
45°	8922.2	8774.5	8295.5	6897.9	6501.6	6552.1	6800.6	6865.4	6800.6	7319.3	8698.9
47.5°	9141.9	8821.3	8273.8	7139.2	7009.5	7204.0	7521.0	7661.5	7182.4	7265.3	8778.1
50°	9098.7	8915.0	8227.0	7240.1	7629.1	8144.2	8356.7	8299.1	7607.5	7153.6	8691.7
52.5°	8918.6	8720.5	8371.1	7513.8	8209.0	8832.2	9127.5	8983.4	7985.7	7405.8	8634.0
55°	9181.5	9030.3	8558.4	7884.8	8644.8	9437.3	9646.2	9538.1	8450.3	7639.9	8961.8
57.5°	9466.1	9433.7	9066.3	8320.7	9159.9	10060.4	10060.4	9927.2	8853.8	7978.5	9448.1
60°	9876.7	9948.8	9440.9	8608.8	9336.4	10024.4	10546.7	10391.8	9260.8	8572.8	9999.2
62.5°	9743.5	9974.0	9923.6	9228.4	9538.1	10200.9	10485.5	10600.7	9765.1	9296.8	10734.0
65°	9314.8	9559.8	9920.0	9635.4	9386.9	9772.3	9916.4	10265.8	10017.2	9977.6	11036.6
67.5°	8803.3	9069.9	9293.2	9909.2	9080.7	9336.4	9210.4	9322.0	9743.5	10723.2	11209.5
70°	7686.7	7942.5	8295.5	9300.4	8270.2	8039.7	8007.3	7953.3	8608.8	10456.7	10424.2
72.5°	6321.5	6440.4	7023.9	7560.6	6119.8	6076.6	6127.0	6065.8	6825.8	9466.1	8929.4
75°	4733.1	4851.9	5183.3	5806.5	4167.5	3919.0	4207.2	4491.7	5212.1	7348.1	6415.2
77.5°	3558.8	3710.1	3919.0	4344.0	3058.1	2669.1	2708.7	2978.9	3767.7	5885.7	3594.8
80°	2308.9	2290.9	2694.3	2989.7	2301.7	2373.7	2272.9	2471.0	2730.3	3148.2	1837.0
82.5°	1332.7	1350.8	1520.1	1714.6	1602.9	1833.4	1321.9	2208.0	1948.7	1282.3	684.4
85°	749.2	781.6	936.5	1188.7	1005.0	673.6	551.1	1095.0	1224.7	525.9	331.4
87.5°	75.6	64.8	126.1	450.3	273.8	111.7	165.7	262.9	295.4	198.1	97.3
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°	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6
2.5°	5269.8	5269.8	5179.7	5028.4	4967.2	4859.1	4711.4	4758.3	4707.8	4524.1	4477.3
5°	5053.6	4880.7	4693.4	4462.9	4329.6	4055.9	3969.4	3814.5	3839.8	3684.9	3692.1
7.5°	4603.4	4466.5	4149.5	3847.0	3584.0	3346.3	3011.3	2885.2	2762.7	2701.5	2773.6
10°	4340.4	4084.7	3652.4	3256.2	2906.8	2694.3	2471.0	2298.1	2139.6	2020.7	1995.5
12.5°	4149.5	3922.6	3400.3	2917.6	2643.9	2471.0	2265.7	2027.9	1873.1	1667.7	1606.5
15°	4091.9	3814.5	3263.4	2784.4	2517.8	2233.3	1999.1	1765.0	1563.3	1347.2	1271.5
17.5°	4290.0	3969.4	3259.8	2676.3	2301.7	1995.5	1671.3	1408.4	1203.1	1005.0	958.1
20°	4625.0	4135.1	3364.3	2611.5	2096.4	1685.7	1318.3	1055.4	824.9	695.2	662.8
22.5°	5006.8	4416.1	3375.1	2438.6	1891.1	1376.0	961.7	695.2	565.5	504.3	486.3
25°	5475.1	4866.3	3504.8	2298.1	1649.7	1044.6	684.4	533.1	457.5	421.4	414.2
27.5°	5860.5	5179.7	3645.2	2150.4	1412.0	774.4	536.7	435.8	396.2	360.2	356.6
30°	6260.3	5539.9	3684.9	2060.4	1206.7	637.6	461.1	385.4	342.2	324.2	320.6
32.5°	6609.7	5932.5	3810.9	1912.7	1012.2	561.9	417.8	345.8	317.0	288.2	284.6
35°	7060.0	6159.5	3872.2	1833.4	940.1	507.9	381.8	317.0	273.8	255.7	248.5
37.5°	7542.6	6379.2	3911.8	1772.2	878.9	475.5	360.2	299.0	259.3	234.1	226.9
40°	7992.9	6689.0	3854.2	1696.6	832.1	435.8	345.8	277.4	241.3	216.1	205.3
42.5°	8338.7	6991.5	3836.2	1624.5	781.6	421.4	327.8	266.5	226.9	198.1	194.5
45°	8533.2	7196.8	3710.1	1566.9	742.0	428.6	320.6	252.1	216.1	190.9	176.5
47.5°	8486.4	7355.3	3742.5	1548.9	688.0	399.8	317.0	241.3	198.1	176.5	165.7
50°	8745.7	7675.9	3688.5	1491.2	648.4	360.2	345.8	241.3	194.5	169.3	158.5
52.5°	8788.9	7967.7	3803.7	1386.8	587.1	331.4	342.2	237.7	187.3	162.1	147.7
55°	9149.1	8306.3	4027.1	1329.1	536.7	288.2	313.4	230.5	169.3	147.7	140.5
57.5°	9639.0	9008.7	4171.1	1275.1	468.3	252.1	262.9	226.9	154.9	136.9	126.1
60°	10110.9	9289.6	4181.9	1177.9	403.4	226.9	205.3	226.9	144.1	122.5	111.7
62.5°	10463.9	9289.6	4109.9	1095.0	353.0	201.7	180.1	216.1	129.7	108.1	100.9
65°	10273.0	9041.1	3922.6	1026.6	320.6	176.5	154.9	165.7	115.3	93.7	86.4
67.5°	9930.8	8266.6	3508.4	943.7	317.0	154.9	133.3	122.5	100.9	82.8	75.6
70°	9383.3	7222.0	2921.2	850.1	309.8	140.5	118.9	104.5	90.1	72.0	64.8
72.5°	7560.6	5964.9	2398.9	796.0	302.6	122.5	100.9	90.1	75.6	61.2	54.0
75°	5237.3	3810.9	1847.8	680.8	295.4	111.7	93.7	79.2	64.8	50.4	46.8
77.5°	3141.0	2546.6	1192.3	511.5	194.5	90.1	79.2	61.2	54.0	43.2	39.6
80°	1469.6	1203.1	482.7	198.1	93.7	64.8	54.0	46.8	43.2	36.0	32.4
82.5°	576.3	507.9	234.1	115.3	75.6	50.4	43.2	39.6	36.0	28.8	25.2
85°	309.8	273.8	111.7	79.2	54.0	36.0	36.0	32.4	28.8	25.2	21.6
87.5°	68.4	50.4	46.8	46.8	39.6	28.8	28.8	25.2	21.6	18.0	14.4
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°	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6
2.5°	4452.1	4506.1	4419.7	4473.7	4398.1	4455.7	4462.9	4408.9	4423.3	4495.3	4527.7
5°	3792.9	3756.9	3677.7	3652.4	3656.1	3609.2	3627.2	3652.4	3692.1	3713.7	3778.5
7.5°	2733.9	2816.8	2813.2	2874.4	2878.0	2870.8	2820.4	2712.3	2748.3	2719.5	2755.5
10°	1955.9	1991.9	2060.4	2100.0	2172.0	2132.4	2017.1	1973.9	1952.3	1948.7	1984.7
12.5°	1563.3	1476.8	1469.6	1484.0	1520.1	1473.2	1415.6	1365.2	1390.4	1440.8	1480.4
15°	1210.3	1138.2	1044.6	1030.2	1037.4	1015.8	954.5	889.7	907.7	958.1	987.0
17.5°	929.3	846.5	781.6	738.4	724.0	648.4	558.3	504.3	489.9	486.3	511.5
20°	626.8	612.3	601.5	547.5	547.5	439.4	363.8	324.2	324.2	331.4	335.0
22.5°	468.3	450.3	453.9	443.0	414.2	327.8	288.2	277.4	277.4	284.6	284.6
25°	407.0	381.8	374.6	371.0	342.2	281.0	252.1	241.3	241.3	248.5	248.5
27.5°	345.8	338.6	327.8	313.4	288.2	241.3	223.3	212.5	216.1	219.7	216.1
30°	317.0	299.0	284.6	284.6	255.7	216.1	201.7	194.5	187.3	194.5	198.1
32.5°	281.0	270.2	262.9	252.1	219.7	190.9	176.5	169.3	165.7	165.7	169.3
35°	241.3	241.3	234.1	219.7	190.9	172.9	154.9	147.7	144.1	147.7	147.7
37.5°	216.1	205.3	208.9	194.5	169.3	151.3	133.3	126.1	126.1	122.5	126.1
40°	201.7	183.7	172.9	165.7	151.3	129.7	115.3	108.1	104.5	104.5	104.5
42.5°	180.1	165.7	144.1	140.5	136.9	111.7	93.7	90.1	86.4	82.8	82.8
45°	169.3	147.7	129.7	111.7	111.7	93.7	79.2	72.0	68.4	64.8	68.4
47.5°	154.9	133.3	111.7	93.7	90.1	75.6	61.2	54.0	50.4	50.4	50.4
50°	147.7	118.9	97.3	79.2	68.4	61.2	46.8	39.6	36.0	36.0	36.0
52.5°	136.9	111.7	86.4	68.4	54.0	46.8	36.0	28.8	25.2	25.2	25.2
55°	122.5	100.9	75.6	57.6	46.8	36.0	25.2	18.0	14.4	14.4	14.4
57.5°	115.3	90.1	64.8	50.4	36.0	25.2	14.4	10.8	10.8	7.2	10.8
60°	104.5	79.2	54.0	39.6	28.8	18.0	10.8	3.6	3.6	3.6	3.6
62.5°	90.1	68.4	46.8	32.4	21.6	10.8	3.6	0.0	0.0	0.0	0.0
65°	75.6	54.0	36.0	25.2	14.4	3.6	0.0	0.0	0.0	0.0	0.0
67.5°	64.8	46.8	28.8	18.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	57.6	39.6	21.6	14.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	46.8	32.4	18.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	39.6	25.2	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	32.4	18.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.2	14.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	3.6	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: P599610
 CATALOG NUMBER: IFLD-S-SA3D-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6	5071.6
2.5°	4574.6	4553.0	4661.0	4837.5	4927.6	5104.1	5147.3	5258.9	5230.1	5269.8
5°	3785.7	3828.9	3987.4	4246.8	4340.4	4596.2	4837.5	5078.8	5233.7	5309.4
7.5°	2809.6	2953.7	3148.2	3385.9	3627.2	3962.2	4372.9	4653.8	4805.1	4967.2
10°	2092.8	2247.7	2471.0	2705.1	3097.7	3472.3	3883.0	4232.4	4362.0	4513.3
12.5°	1646.1	1887.5	2146.8	2398.9	2633.1	2989.7	3497.6	4005.4	4145.9	4261.2
15°	1145.4	1440.8	1811.8	2139.6	2467.4	2777.2	3303.1	3919.0	4109.9	4304.4
17.5°	634.0	868.1	1293.1	1754.2	2236.9	2712.3	3367.9	4077.5	4365.6	4502.5
20°	367.4	461.1	763.6	1311.1	1948.7	2571.8	3400.3	4376.5	4758.3	4826.7
22.5°	302.6	335.0	432.2	821.3	1595.7	2481.8	3566.0	4794.3	5183.3	5345.4
25°	259.3	284.6	335.0	493.5	1206.7	2290.9	3670.5	5316.6	5676.8	5853.3
27.5°	230.5	255.7	295.4	363.8	821.3	2027.9	3843.4	5788.4	6148.6	6390.0
30°	201.7	223.3	262.9	309.8	569.1	1732.6	3991.0	6134.2	6642.1	6717.8
32.5°	180.1	198.1	226.9	266.5	421.4	1314.7	4109.9	6490.8	6919.5	7085.2
35°	154.9	176.5	194.5	226.9	320.6	990.6	4037.9	6768.2	7326.5	7524.6
37.5°	136.9	151.3	169.3	190.9	270.2	774.4	3890.2	7099.6	7675.9	7859.6
40°	115.3	126.1	147.7	169.3	244.9	597.9	3720.9	7499.4	8165.8	8490.0
42.5°	97.3	108.1	122.5	158.5	201.7	443.0	3378.7	7809.2	8562.0	8835.8
45°	75.6	90.1	111.7	158.5	162.1	327.8	3025.7	8039.7	8785.3	8922.2
47.5°	57.6	72.0	108.1	136.9	129.7	226.9	2607.9	8302.7	9015.9	9141.9
50°	43.2	57.6	122.5	118.9	108.1	172.9	2344.9	8486.4	9030.3	9098.7
52.5°	28.8	43.2	100.9	90.1	90.1	151.3	2272.9	8479.2	9066.3	8918.6
55°	21.6	32.4	57.6	64.8	79.2	133.3	2208.0	8749.3	9077.1	9181.5
57.5°	14.4	25.2	39.6	50.4	68.4	115.3	2074.8	9073.5	9412.1	9466.1
60°	7.2	18.0	28.8	39.6	57.6	100.9	1887.5	9311.2	9819.1	9876.7
62.5°	3.6	10.8	21.6	32.4	46.8	79.2	1692.9	8933.0	9642.6	9743.5
65°	0.0	7.2	14.4	21.6	28.8	57.6	1376.0	8064.9	8943.8	9314.8
67.5°	0.0	0.0	7.2	14.4	18.0	43.2	1037.4	7337.3	8299.1	8803.3
70°	0.0	0.0	3.6	3.6	10.8	32.4	662.8	6076.6	7409.4	7686.7
72.5°	0.0	0.0	0.0	0.0	3.6	21.6	385.4	4513.3	5806.5	6321.5
75°	0.0	0.0	0.0	0.0	0.0	18.0	194.5	2903.2	4041.5	4733.1
77.5°	0.0	0.0	0.0	0.0	0.0	14.4	104.5	1873.1	2978.9	3558.8
80°	0.0	0.0	0.0	0.0	0.0	3.6	61.2	1087.8	1905.5	2308.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	25.2	533.1	1138.2	1332.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.2	284.6	569.1	749.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	39.6	75.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)