

Scaled data based on original data using
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: P482290

Luminaire Tested: **IFLD-S-SA3A-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482290
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

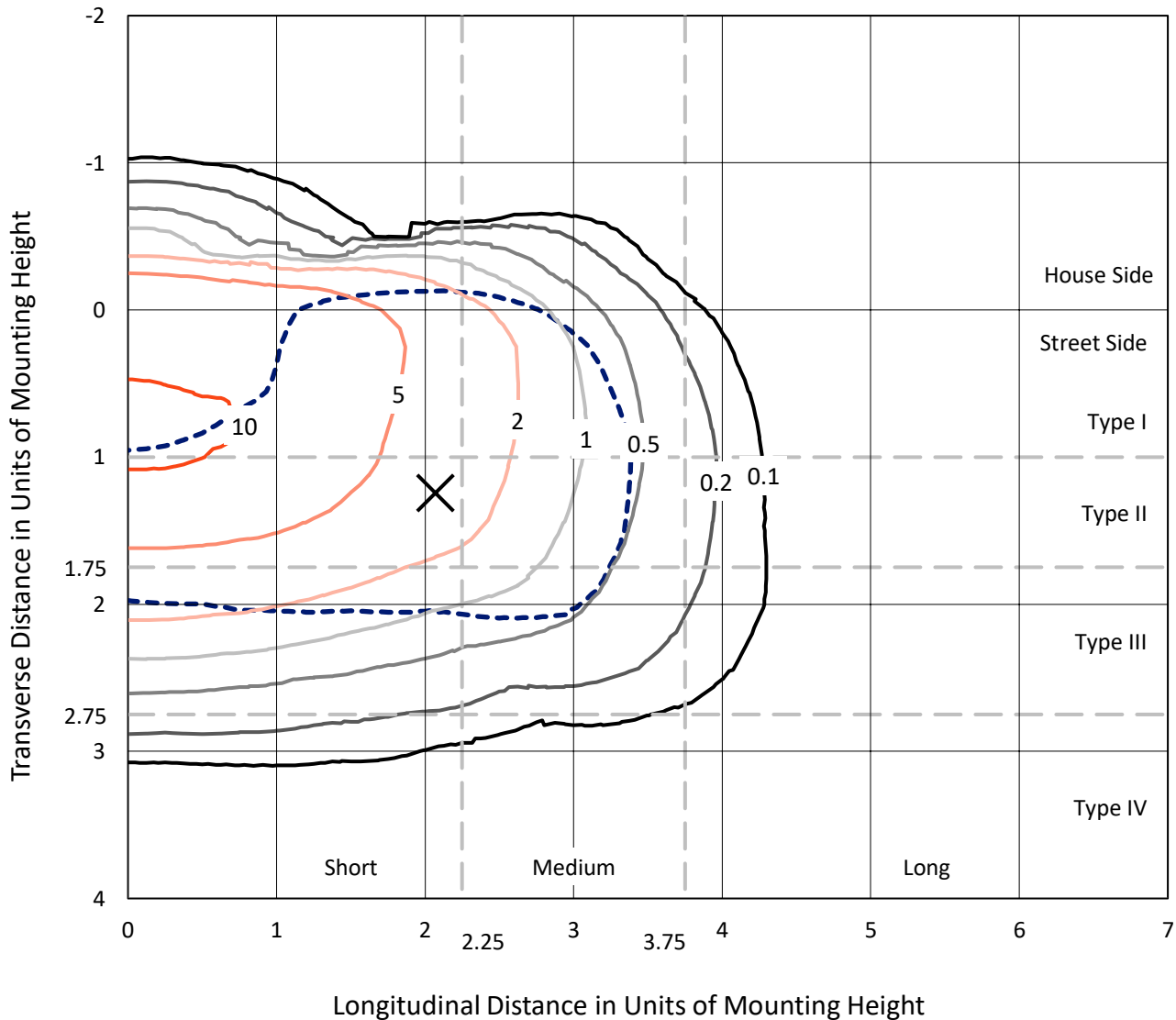
Lumens per Lamp: N/A
Luminaire Lumens: 7520.1 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8
Input Voltage (V): 120
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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Iso-Footcandle Lines of Horizontal Illumination

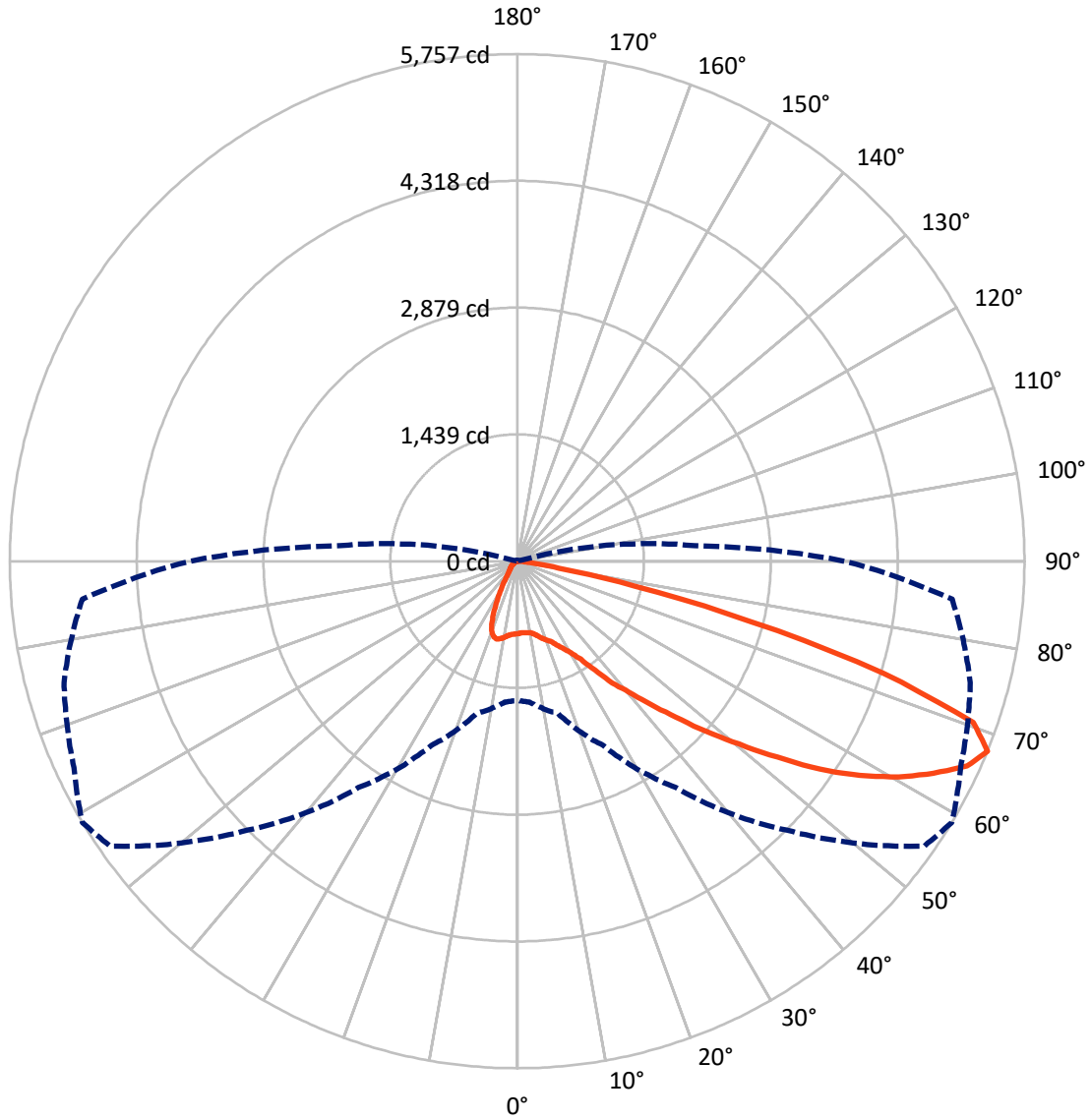
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	883.4	0.0	883.4
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	6636.7	0.0	6636.7
	% Fixture	88.3	0.0	88.3
Total	Lumens	7520.1	0.0	7520.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.4	1.0
10°-20°	226.3	3.0
20°-30°	395.5	5.3
30°-40°	696.4	9.3
40°-50°	1231.0	16.4
50°-60°	1949.1	25.9
60°-70°	2162.2	28.8
70°-80°	750.2	10.0
80°-90°	30.9	0.4
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°-90°	7520.1	100.0
0°-180°	7520.1	100.0

Coefficient of Utilization

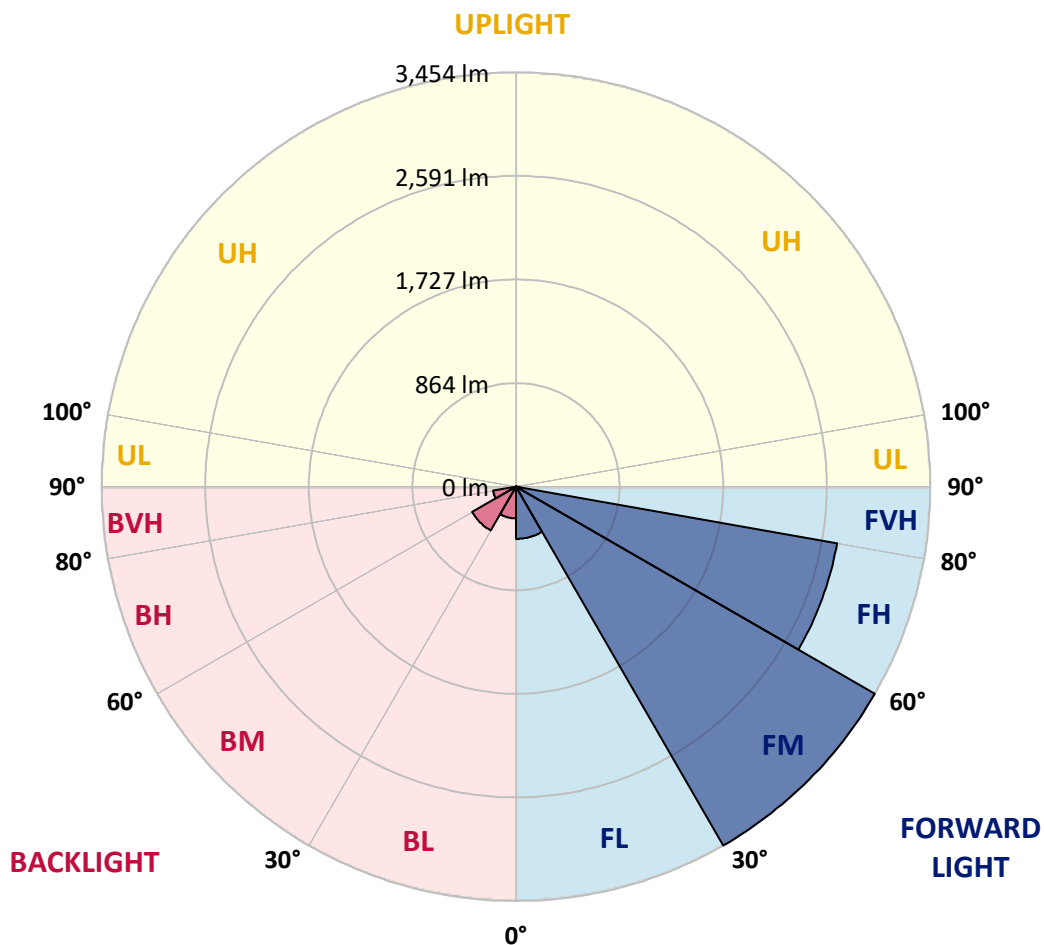


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.5	5.8			
FM (30°-60°)	3454.2	45.9			
FH (60°-80°)	2718.1	36.1			G2/5000
FVH (80°-90°)	28.9	0.4			G1/100
BL (0°-30°)	264.7	3.5	B1/500		
BM (30°-60°)	422.3	5.6	B1/1000		
BH (60°-80°)	194.3	2.6	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8
2.5°	800.9	789.5	799.9	800.9	802.0	811.3	821.7	814.4	813.4	821.7	829.0
5°	768.7	763.5	776.0	782.2	792.6	800.9	817.5	818.6	819.6	829.0	841.4
7.5°	755.2	742.8	757.3	764.6	771.8	791.6	811.3	821.7	836.2	847.7	860.1
10°	728.2	737.6	741.7	754.2	775.0	797.8	821.7	826.9	859.1	868.4	898.6
12.5°	737.6	743.8	752.1	755.2	778.1	812.4	844.6	846.6	879.9	920.4	936.0
15°	761.4	757.3	760.4	764.6	791.6	819.6	871.6	880.9	912.1	957.8	996.2
17.5°	812.4	805.1	799.9	798.8	805.1	831.0	892.3	920.4	949.5	1011.8	1031.5
20°	940.1	933.9	913.1	859.1	840.4	850.8	917.3	956.7	997.3	1066.9	1099.1
22.5°	1134.4	1140.6	1091.8	1016.0	938.0	897.5	956.7	991.0	1055.4	1143.7	1172.8
25°	1364.0	1351.5	1292.3	1204.0	1081.4	985.8	1020.1	1058.5	1137.5	1210.2	1221.6
27.5°	1543.7	1529.1	1483.4	1376.4	1270.5	1115.7	1103.2	1127.1	1220.6	1286.0	1273.6
30°	1721.3	1726.5	1695.3	1568.6	1437.7	1274.6	1195.7	1206.1	1277.7	1361.9	1333.8
32.5°	1947.8	1935.3	1917.6	1806.5	1651.7	1477.2	1342.1	1325.5	1356.7	1467.8	1434.6
35°	2158.7	2151.4	2127.5	2015.3	1880.2	1690.1	1558.2	1520.8	1513.5	1637.2	1579.0
37.5°	2342.5	2330.1	2293.7	2222.0	2091.1	1931.2	1786.8	1753.5	1752.5	1837.7	1725.5
40°	2497.3	2506.7	2502.5	2423.5	2351.9	2224.1	2002.8	1949.8	1945.7	1991.4	1926.0
42.5°	2697.8	2719.6	2708.2	2692.6	2606.4	2556.5	2306.2	2225.1	2188.8	2282.3	2223.1
45°	3001.1	3009.4	3016.7	2978.3	2892.1	2902.4	2619.9	2523.3	2513.9	2653.1	2520.2
47.5°	3284.7	3262.9	3313.8	3315.9	3311.7	3263.9	2958.5	2886.9	2899.3	3005.3	2868.2
50°	3355.4	3411.5	3551.7	3577.7	3645.2	3688.8	3334.6	3262.9	3283.7	3404.2	3247.3
52.5°	3410.4	3495.6	3635.8	3825.9	4007.7	4111.6	3755.3	3697.1	3696.1	3769.8	3553.8
55°	3507.0	3559.0	3680.5	3942.3	4288.2	4458.6	4262.2	4168.8	4084.6	4136.5	3871.7
57.5°	3497.7	3517.4	3706.5	4029.5	4510.5	4820.1	4678.8	4589.5	4481.4	4451.3	4237.3
60°	3333.5	3380.3	3592.2	3970.3	4647.6	5101.6	5067.3	4975.9	4790.0	4719.3	4517.8
62.5°	3008.4	3070.7	3236.9	3762.6	4448.2	5116.1	5335.3	5301.1	5093.3	4966.6	4883.5
65°	2438.1	2467.2	2658.3	3234.9	3997.3	4892.8	5652.2	5609.6	5418.4	5229.4	5071.5
67.5°	1579.0	1607.0	1790.9	2309.3	3139.3	4316.3	5639.7	5757.1	5550.4	5322.9	4954.1
70°	745.9	738.6	910.0	1282.9	2011.1	3296.1	5258.5	5490.1	5314.6	4825.3	4114.7
72.5°	227.5	247.2	378.1	568.2	1032.6	2055.8	4122.0	4339.1	4284.1	3855.0	2746.6
75°	100.8	109.1	148.6	232.7	418.6	843.5	2546.1	2739.3	2715.5	2274.0	1253.8
77.5°	64.4	70.6	93.5	133.0	190.1	268.0	1172.8	1360.8	1319.3	798.8	328.3
80°	45.7	48.8	66.5	91.4	119.5	110.1	404.1	479.9	460.2	217.1	88.3
82.5°	24.9	27.0	48.8	67.5	80.0	56.1	113.2	141.3	147.5	96.6	42.6
85°	9.3	11.4	30.1	47.8	41.6	26.0	33.2	40.5	53.0	53.0	19.7
87.5°	0.0	1.0	12.5	20.8	10.4	7.3	9.3	11.4	14.5	24.9	7.3
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°	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8	824.8
2.5°	834.2	826.9	830.0	835.2	823.8	830.0	817.5	826.9	830.0	817.5	823.8
5°	844.6	851.8	847.7	839.4	832.1	834.2	831.0	823.8	830.0	832.1	827.9
7.5°	874.7	866.4	868.4	859.1	844.6	843.5	823.8	818.6	820.7	822.7	815.5
10°	902.7	907.9	897.5	890.3	866.4	850.8	823.8	794.7	791.6	779.1	789.5
12.5°	952.6	940.1	936.0	912.1	888.2	836.2	778.1	733.4	696.0	682.5	669.0
15°	994.1	992.1	984.8	948.4	893.4	798.8	688.7	584.9	513.2	468.5	462.3
17.5°	1051.3	1041.9	1028.4	971.3	854.9	701.2	513.2	382.3	310.6	282.6	272.2
20°	1094.9	1087.6	1068.9	966.1	785.3	522.5	317.9	243.1	225.4	220.2	221.3
22.5°	1158.3	1135.4	1100.1	940.1	658.6	348.0	228.5	217.1	214.0	209.8	210.9
25°	1213.3	1192.6	1118.8	895.5	469.5	230.6	211.9	205.7	200.5	195.3	194.3
27.5°	1262.2	1236.2	1138.5	804.0	294.0	198.4	196.3	189.1	178.7	170.4	167.2
30°	1309.9	1279.8	1143.7	632.6	198.4	179.7	174.5	163.1	149.6	138.2	136.1
32.5°	1389.9	1353.6	1136.5	451.9	171.4	160.0	148.6	135.0	115.3	106.0	103.9
35°	1514.6	1459.5	1127.1	265.9	153.7	141.3	123.6	106.0	91.4	82.1	80.0
37.5°	1657.9	1562.4	1100.1	177.6	141.3	124.7	101.8	84.1	71.7	64.4	62.3
40°	1870.9	1713.0	996.2	145.4	125.7	106.0	82.1	66.5	57.1	51.9	49.9
42.5°	2105.7	1885.4	836.2	130.9	111.2	90.4	65.4	54.0	46.7	41.6	41.6
45°	2387.2	2065.2	645.1	119.5	98.7	74.8	54.0	43.6	37.4	33.2	31.2
47.5°	2700.9	2228.3	435.3	108.0	83.1	61.3	44.7	33.2	27.0	23.9	23.9
50°	2981.4	2372.6	277.4	94.5	72.7	50.9	36.4	27.0	21.8	17.7	16.6
52.5°	3235.9	2482.8	191.1	83.1	62.3	41.6	30.1	21.8	16.6	13.5	13.5
55°	3496.6	2538.9	141.3	71.7	54.0	35.3	24.9	19.7	14.5	11.4	10.4
57.5°	3710.6	2562.7	108.0	62.3	45.7	28.0	21.8	16.6	12.5	9.3	8.3
60°	3893.5	2551.3	84.1	51.9	36.4	23.9	18.7	13.5	10.4	7.3	6.2
62.5°	4000.5	2482.8	66.5	44.7	29.1	20.8	15.6	11.4	7.3	5.2	4.2
65°	4002.5	2337.3	51.9	33.2	21.8	17.7	13.5	9.3	5.2	2.1	1.0
67.5°	3715.8	2022.6	41.6	26.0	17.7	13.5	10.4	7.3	2.1	0.0	0.0
70°	2906.6	1530.2	34.3	20.8	14.5	11.4	7.3	4.2	1.0	0.0	0.0
72.5°	1852.2	916.2	28.0	16.6	12.5	8.3	5.2	3.1	0.0	0.0	0.0
75°	775.0	282.6	21.8	14.5	9.3	6.2	4.2	1.0	0.0	0.0	0.0
77.5°	199.5	89.3	17.7	12.5	9.3	5.2	3.1	1.0	0.0	0.0	0.0
80°	59.2	33.2	14.5	10.4	7.3	4.2	2.1	1.0	0.0	0.0	0.0
82.5°	27.0	19.7	12.5	9.3	6.2	4.2	2.1	0.0	0.0	0.0	0.0
85°	10.4	6.2	6.2	5.2	5.2	3.1	1.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	2.1	2.1	1.0	1.0	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

(END OF REPORT)