

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: P482287

Luminaire Tested: **IFLD-S-SA2C-722-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482287
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-722-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

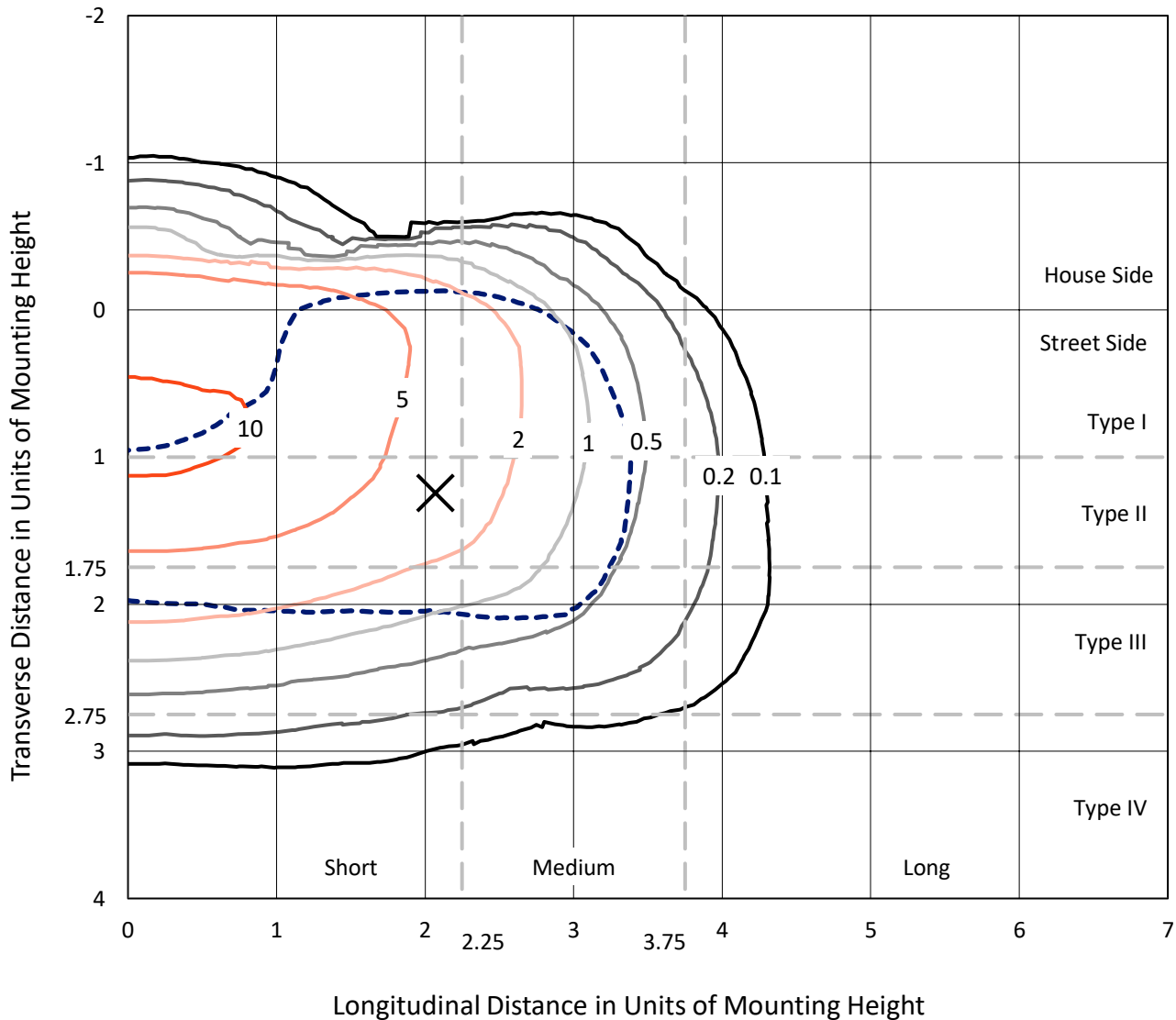
Lumens per Lamp: N/A
Luminaire Lumens: 7768.7 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

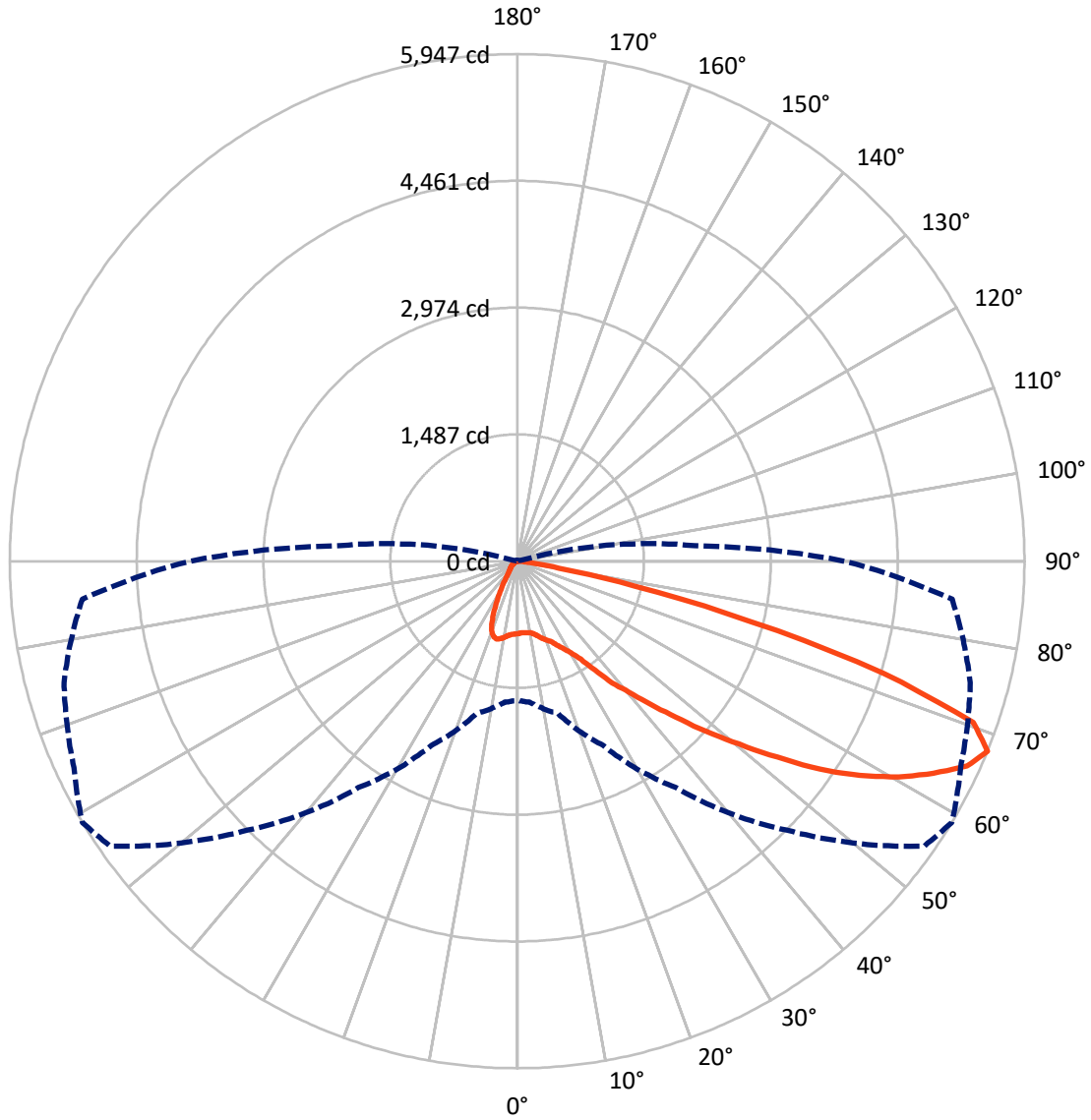
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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	912.6	0.0	912.6
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	6856.1	0.0	6856.1
	% Fixture	88.3	0.0	88.3
Total	Lumens	7768.7	0.0	7768.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.0
10°-20°	233.8	3.0
20°-30°	408.6	5.3
30°-40°	719.4	9.3
40°-50°	1271.7	16.4
50°-60°	2013.6	25.9
60°-70°	2233.6	28.8
70°-80°	775.0	10.0
80°-90°	31.9	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°	7768.7	100.0
0°-180°	7768.7	100.0

Coefficient of Utilization

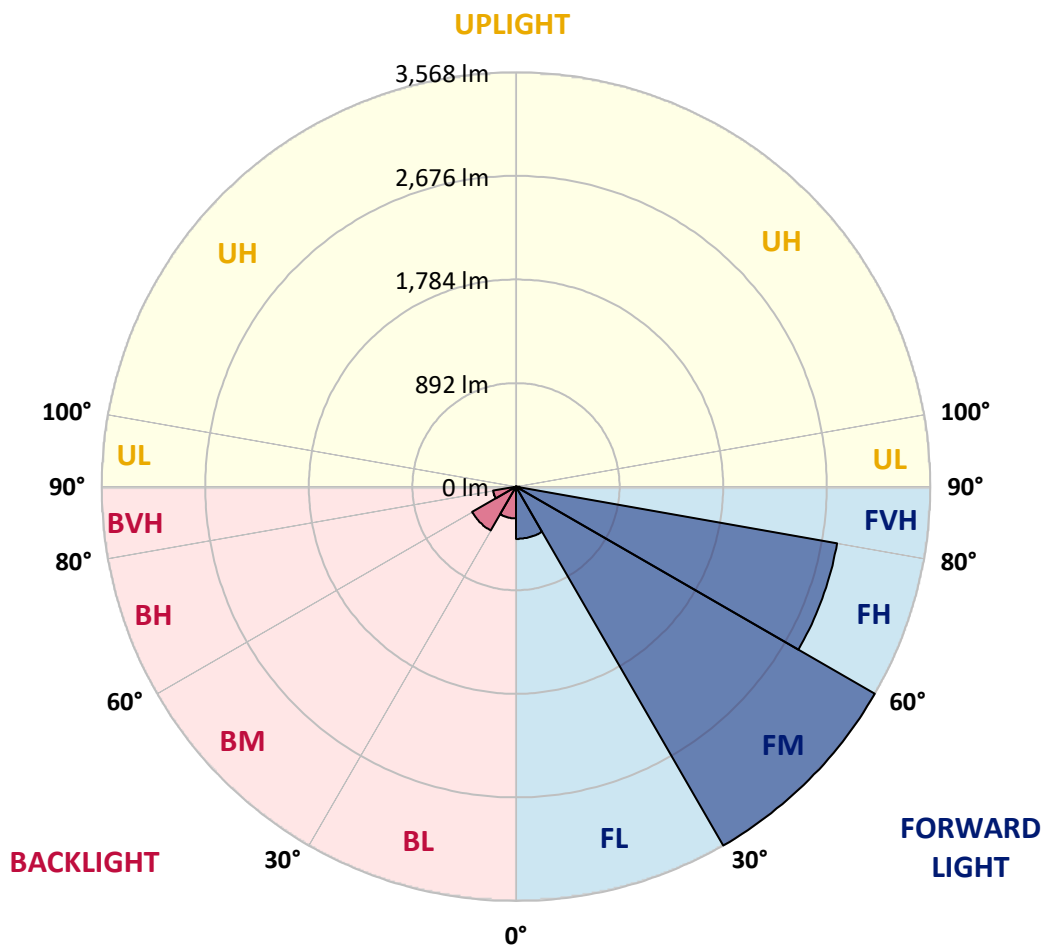


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.9	5.8			
FM (30°-60°)	3568.4	45.9			
FH (60°-80°)	2808.0	36.1			G2/5000
FVH (80°-90°)	29.9	0.4			G1/100
BL (0°-30°)	273.5	3.5	B1/500		
BM (30°-60°)	436.3	5.6	B1/1000		
BH (60°-80°)	200.7	2.6	B1/500		G1/500
BVH (80°-90°)	2.1	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°	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1
2.5°	827.4	815.6	826.3	827.4	828.5	838.1	848.9	841.4	840.3	848.9	856.4
5°	794.1	788.8	801.6	808.1	818.8	827.4	844.6	845.6	846.7	856.4	869.3
7.5°	780.2	767.3	782.3	789.8	797.4	817.7	838.1	848.9	863.9	875.7	888.6
10°	752.3	761.9	766.2	779.1	800.6	824.2	848.9	854.2	887.5	897.2	928.3
12.5°	761.9	768.4	777.0	780.2	803.8	839.2	872.5	874.6	909.0	950.8	966.9
15°	786.6	782.3	785.6	789.8	817.7	846.7	900.4	910.0	942.2	989.4	1029.2
17.5°	839.2	831.7	826.3	825.3	831.7	858.5	921.8	950.8	980.9	1045.3	1065.6
20°	971.2	964.8	943.3	887.5	868.2	878.9	947.6	988.4	1030.2	1102.1	1135.4
22.5°	1171.9	1178.3	1127.9	1049.5	969.1	927.2	988.4	1023.8	1090.3	1181.5	1211.6
25°	1409.1	1396.2	1335.0	1243.8	1117.2	1018.4	1053.8	1093.5	1175.1	1250.2	1262.0
27.5°	1594.7	1579.7	1532.5	1421.9	1312.5	1152.6	1139.7	1164.4	1261.0	1328.6	1315.7
30°	1778.2	1783.6	1751.4	1620.5	1485.2	1316.8	1235.2	1245.9	1320.0	1406.9	1377.9
32.5°	2012.2	1999.3	1981.0	1866.2	1706.3	1526.0	1386.5	1369.3	1401.5	1516.4	1482.0
35°	2230.0	2222.5	2197.8	2081.9	1942.4	1746.0	1609.7	1571.1	1563.6	1691.3	1631.2
37.5°	2420.0	2407.1	2369.5	2295.5	2160.3	1995.0	1845.8	1811.5	1810.4	1898.4	1782.5
40°	2579.9	2589.5	2585.2	2503.7	2429.6	2297.6	2069.0	2014.3	2010.0	2057.2	1989.6
42.5°	2787.0	2809.5	2797.7	2781.6	2692.5	2641.0	2382.4	2298.7	2261.1	2357.7	2296.6
45°	3100.3	3108.9	3116.4	3076.7	2987.7	2998.4	2706.5	2606.7	2597.0	2740.8	2603.5
47.5°	3393.3	3370.8	3423.4	3425.5	3421.2	3371.9	3056.3	2982.3	2995.2	3104.6	2963.0
50°	3466.3	3524.2	3669.1	3695.9	3765.7	3810.8	3444.8	3370.8	3392.2	3516.7	3354.7
52.5°	3523.2	3611.2	3756.0	3952.4	4140.2	4247.6	3879.5	3819.4	3818.3	3894.5	3671.3
55°	3623.0	3676.6	3802.2	4072.6	4430.0	4606.0	4403.2	4306.6	4219.6	4273.3	3999.7
57.5°	3613.3	3633.7	3829.0	4162.8	4659.6	4979.4	4833.5	4741.2	4629.6	4598.5	4377.4
60°	3443.8	3492.0	3711.0	4101.6	4801.3	5270.3	5234.9	5140.4	4948.3	4875.3	4667.2
62.5°	3107.9	3172.2	3344.0	3887.0	4595.3	5285.3	5511.7	5476.3	5261.7	5130.8	5044.9
65°	2518.7	2548.7	2746.2	3341.8	4129.5	5054.6	5839.0	5795.0	5597.6	5402.3	5239.1
67.5°	1631.2	1660.2	1850.1	2385.6	3243.1	4459.0	5826.2	5947.4	5733.9	5498.9	5117.9
70°	770.5	763.0	940.1	1325.3	2077.6	3405.1	5432.3	5671.6	5490.3	4984.8	4250.8
72.5°	235.0	255.4	390.6	587.0	1066.7	2123.8	4258.3	4482.6	4425.7	3982.5	2837.4
75°	104.1	112.7	153.5	240.4	432.5	871.4	2630.3	2829.9	2805.2	2349.1	1295.3
77.5°	66.5	73.0	96.6	137.4	196.4	276.9	1211.6	1405.8	1362.9	825.3	339.1
80°	47.2	50.4	68.7	94.4	123.4	113.8	417.5	495.8	475.4	224.3	91.2
82.5°	25.8	27.9	50.4	69.8	82.6	58.0	117.0	145.9	152.4	99.8	44.0
85°	9.7	11.8	31.1	49.4	42.9	26.8	34.3	41.9	54.7	54.7	20.4
87.5°	0.0	1.1	12.9	21.5	10.7	7.5	9.7	11.8	15.0	25.8	7.5
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°	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1	852.1
2.5°	861.7	854.2	857.5	862.8	851.0	857.5	844.6	854.2	857.5	844.6	851.0
5°	872.5	880.0	875.7	867.1	859.6	861.7	858.5	851.0	857.5	859.6	855.3
7.5°	903.6	895.0	897.2	887.5	872.5	871.4	851.0	845.6	847.8	849.9	842.4
10°	932.6	937.9	927.2	919.7	895.0	878.9	851.0	821.0	817.7	804.9	815.6
12.5°	984.1	971.2	966.9	942.2	917.5	863.9	803.8	757.6	719.0	705.1	691.1
15°	1027.0	1024.9	1017.4	979.8	922.9	825.3	711.5	604.2	530.1	484.0	477.6
17.5°	1086.0	1076.4	1062.4	1003.4	883.2	724.4	530.1	394.9	320.9	291.9	281.2
20°	1131.1	1123.6	1104.3	998.0	811.3	539.8	328.4	251.1	232.9	227.5	228.6
22.5°	1196.6	1173.0	1136.5	971.2	680.4	359.5	236.1	224.3	221.1	216.8	217.9
25°	1253.4	1232.0	1155.8	925.1	485.1	238.2	218.9	212.5	207.1	201.8	200.7
27.5°	1303.9	1277.1	1176.2	830.6	303.7	205.0	202.8	195.3	184.6	176.0	172.8
30°	1353.2	1322.1	1181.5	653.6	205.0	185.7	180.3	168.5	154.5	142.7	140.6
32.5°	1435.9	1398.3	1174.0	466.8	177.1	165.3	153.5	139.5	119.1	109.5	107.3
35°	1564.7	1507.8	1164.4	274.7	158.8	145.9	127.7	109.5	94.4	84.8	82.6
37.5°	1712.8	1614.0	1136.5	183.5	145.9	128.8	105.2	86.9	74.0	66.5	64.4
40°	1932.8	1769.6	1029.2	150.2	129.9	109.5	84.8	68.7	59.0	53.7	51.5
42.5°	2175.3	1947.8	863.9	135.2	114.8	93.4	67.6	55.8	48.3	42.9	42.9
45°	2466.1	2133.4	666.4	123.4	101.9	77.3	55.8	45.1	38.6	34.3	32.2
47.5°	2790.2	2301.9	449.7	111.6	85.9	63.3	46.1	34.3	27.9	24.7	24.7
50°	3080.0	2451.1	286.5	97.7	75.1	52.6	37.6	27.9	22.5	18.2	17.2
52.5°	3342.9	2564.8	197.5	85.9	64.4	42.9	31.1	22.5	17.2	14.0	14.0
55°	3612.2	2622.8	145.9	74.0	55.8	36.5	25.8	20.4	15.0	11.8	10.7
57.5°	3833.3	2647.5	111.6	64.4	47.2	29.0	22.5	17.2	12.9	9.7	8.6
60°	4022.2	2635.7	86.9	53.7	37.6	24.7	19.3	14.0	10.7	7.5	6.4
62.5°	4132.7	2564.8	68.7	46.1	30.0	21.5	16.1	11.8	7.5	5.4	4.3
65°	4134.9	2414.6	53.7	34.3	22.5	18.2	14.0	9.7	5.4	2.1	1.1
67.5°	3838.7	2089.4	42.9	26.8	18.2	14.0	10.7	7.5	2.1	0.0	0.0
70°	3002.7	1580.8	35.4	21.5	15.0	11.8	7.5	4.3	1.1	0.0	0.0
72.5°	1913.4	946.5	29.0	17.2	12.9	8.6	5.4	3.2	0.0	0.0	0.0
75°	800.6	291.9	22.5	15.0	9.7	6.4	4.3	1.1	0.0	0.0	0.0
77.5°	206.0	92.3	18.2	12.9	9.7	5.4	3.2	1.1	0.0	0.0	0.0
80°	61.2	34.3	15.0	10.7	7.5	4.3	2.1	1.1	0.0	0.0	0.0
82.5°	27.9	20.4	12.9	9.7	6.4	4.3	2.1	0.0	0.0	0.0	0.0
85°	10.7	6.4	6.4	5.4	5.4	3.2	1.1	0.0	0.0	0.0	0.0
87.5°	4.3	2.1	2.1	2.1	1.1	1.1	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)