

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: P482676

Luminaire Tested: **IFLD-S-SA2B-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482676
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

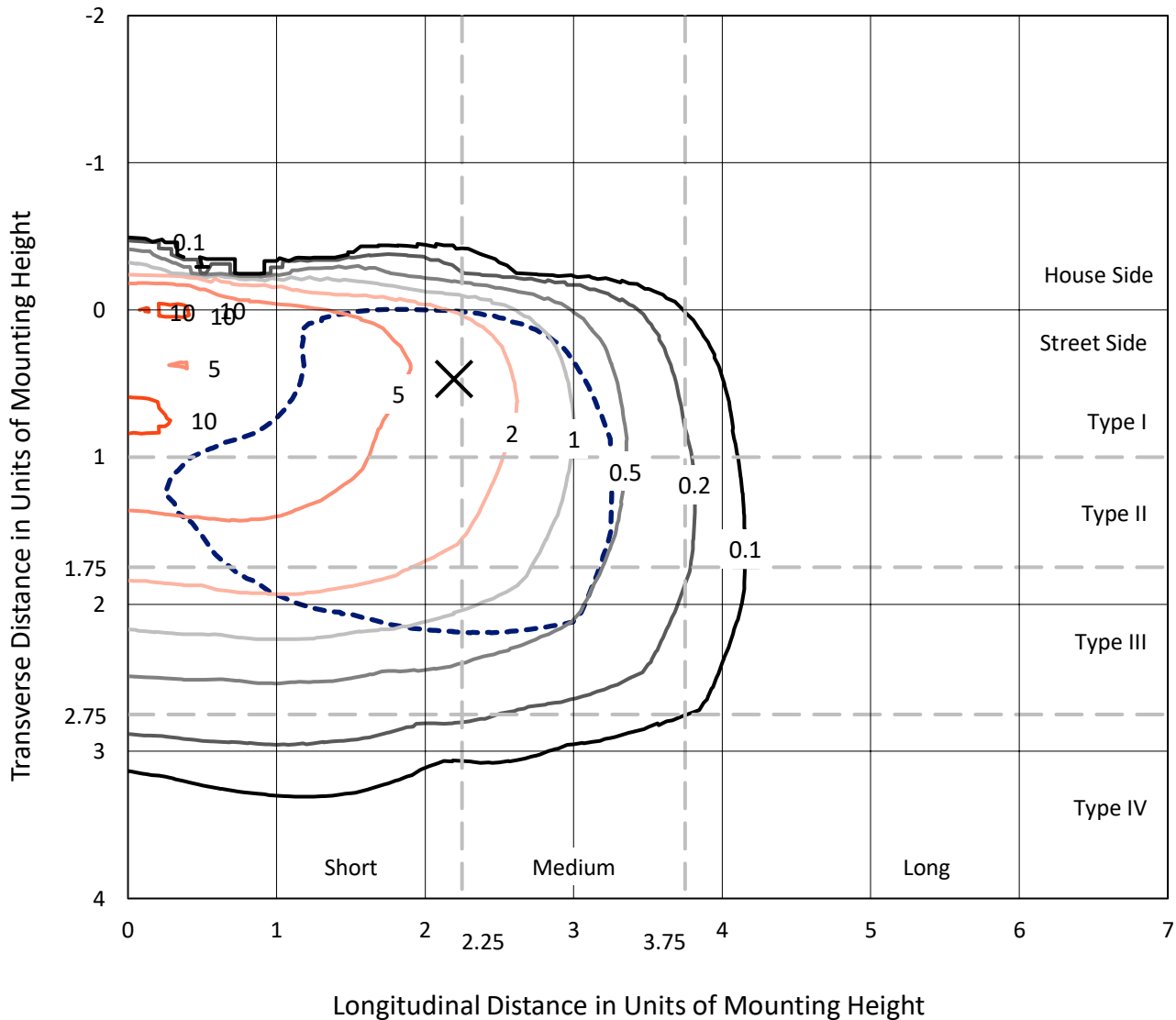
Lumens per Lamp: N/A
Luminaire Lumens: 6028.7 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
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

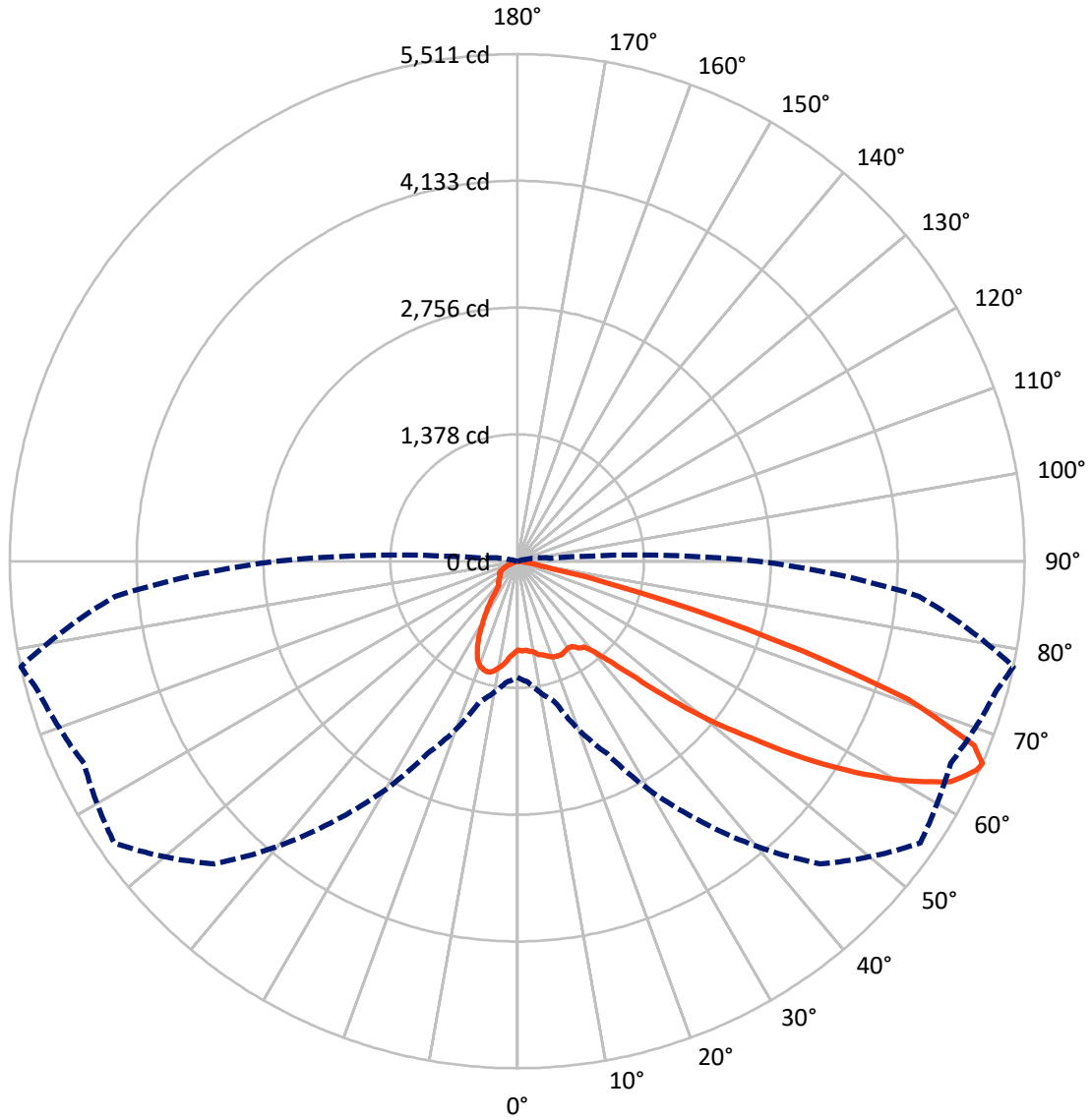
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.8	0.0	423.8
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	5604.8	0.0	5604.8
	% Fixture	93.0	0.0	93.0
Total	Lumens	6028.7	0.0	6028.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.5
10°-20°	199.4	3.3
20°-30°	285.0	4.7
30°-40°	487.9	8.1
40°-50°	880.6	14.6
50°-60°	1505.9	25.0
60°-70°	1853.5	30.7
70°-80°	700.7	11.6
80°-90°	27.4	0.5
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°	6028.7	100.0
0°-180°	6028.7	100.0

Coefficient of Utilization

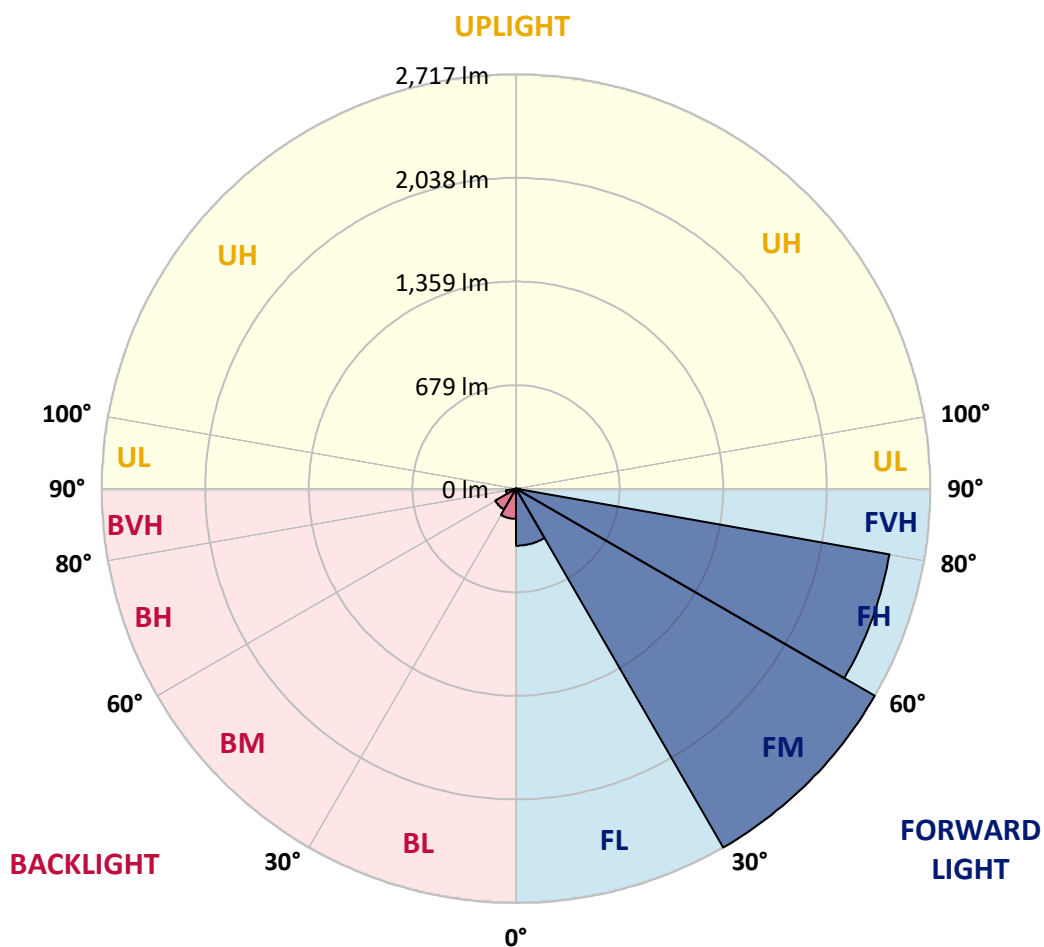


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.3	6.2			
FM (30°-60°)	2717.2	45.1			
FH (60°-80°)	2487.1	41.3			G2/5000
FVH (80°-90°)	26.3	0.4			G1/100
BL (0°-30°)	198.5	3.3	B1/500		
BM (30°-60°)	157.1	2.6	B0/220		
BH (60°-80°)	67.2	1.1	B0/110		G0/110
BVH (80°-90°)	1.1	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°	65°	75°	78°	85°
0°	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6
2.5°	888.2	880.0	888.2	900.0	906.4	911.9	931.0	947.4	964.7	976.5	972.9
5°	823.5	839.0	840.8	844.4	854.5	887.3	898.2	926.4	969.2	972.9	989.3
7.5°	772.5	767.9	779.8	803.5	829.0	848.1	880.0	929.2	973.8	989.3	1021.2
10°	698.7	707.8	720.6	744.2	775.2	822.6	879.1	933.7	997.5	1002.9	1062.2
12.5°	658.6	649.5	669.5	694.1	747.0	790.7	859.9	925.5	1012.1	1042.1	1110.4
15°	625.8	630.4	649.5	665.9	709.6	765.2	846.3	945.6	1036.7	1057.6	1161.5
17.5°	612.2	609.4	624.0	640.4	694.1	757.0	840.8	946.5	1058.5	1085.8	1196.1
20°	618.5	624.0	619.4	634.9	668.6	732.4	849.0	963.8	1074.9	1112.3	1233.4
22.5°	718.7	711.4	675.0	645.9	647.7	722.4	842.6	974.7	1089.5	1119.5	1258.9
25°	980.2	941.0	850.8	738.8	665.0	695.0	835.3	971.1	1086.8	1124.1	1274.4
27.5°	1243.4	1209.7	1121.4	947.4	735.1	684.1	809.8	973.8	1073.1	1107.7	1248.9
30°	1521.3	1539.5	1408.3	1201.5	919.1	744.2	793.4	959.2	1064.0	1093.1	1254.4
32.5°	1806.4	1799.1	1719.9	1495.8	1182.4	877.2	819.8	973.8	1075.8	1104.1	1286.3
35°	2029.6	2004.1	1923.9	1721.7	1400.1	1077.6	910.9	1043.0	1127.7	1161.5	1331.8
37.5°	2139.8	2150.7	2104.3	1928.5	1638.8	1263.5	1024.8	1043.0	1144.1	1183.3	1405.6
40°	2225.4	2258.2	2240.9	2184.4	1875.6	1473.0	1150.5	1107.7	1227.0	1300.8	1544.0
42.5°	2328.4	2312.9	2414.9	2363.0	2185.4	1737.2	1371.0	1261.7	1422.9	1493.9	1751.7
45°	2383.0	2442.2	2519.7	2586.2	2472.3	2066.9	1658.8	1534.0	1722.6	1812.8	2060.6
47.5°	2523.3	2547.0	2672.7	2756.5	2705.5	2444.1	2096.1	1932.1	2099.7	2241.8	2414.0
50°	2605.3	2573.4	2749.2	2876.8	2905.9	2756.5	2487.8	2360.3	2547.9	2729.2	2744.7
52.5°	2533.3	2624.4	2800.2	3028.9	3110.0	3035.3	2947.8	2892.2	3024.3	3191.9	3117.2
55°	2281.0	2342.9	2771.1	3195.6	3457.0	3422.4	3503.5	3467.0	3600.0	3777.7	3552.7
57.5°	2077.9	2155.3	2531.5	3282.1	3780.4	3882.4	3984.5	3961.7	4122.0	4327.0	3921.6
60°	1951.2	1995.9	2358.4	3260.3	3971.7	4358.0	4588.4	4428.1	4689.5	4846.2	4210.4
62.5°	1731.7	1759.9	2106.1	2970.6	4029.1	4694.1	5084.9	4867.2	5094.0	5285.3	4418.1
65°	1388.3	1464.8	1750.8	2537.0	3650.1	4756.0	5394.6	5138.6	5358.2	5483.9	4480.9
66°	1263.5	1319.0	1581.4	2307.4	3434.3	4653.1	5342.7	5195.1	5396.4	5511.2	4384.4
67.5°	1048.5	1096.8	1305.4	1980.4	2992.4	4426.3	5379.1	5156.8	5425.6	5355.4	4255.0
70°	694.1	725.1	892.7	1339.1	2084.2	3621.0	4989.2	4858.1	4769.7	4506.4	3326.8
72.5°	324.3	368.9	557.5	811.7	1222.5	2533.3	4068.3	3892.5	3345.0	2924.1	2098.8
75°	146.7	166.7	306.1	465.5	548.4	1312.7	2624.4	2370.3	1665.2	1382.8	919.1
77.5°	79.3	90.2	149.4	221.4	199.5	460.0	1299.0	1080.4	524.7	384.4	266.9
80°	61.0	72.0	124.8	126.6	73.8	119.3	482.8	334.3	131.2	99.3	63.8
82.5°	31.9	45.5	98.4	82.0	37.3	48.3	149.4	92.9	41.0	32.8	27.3
85°	12.8	20.0	55.6	54.7	21.9	16.4	41.9	28.2	16.4	13.7	12.8
87.5°	0.9	0.9	30.1	21.0	13.7	4.6	6.4	6.4	8.2	7.3	9.1
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°	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6	965.6
2.5°	989.3	1000.2	1002.0	1032.1	1038.5	1032.1	1048.5	1045.8	1053.1	1047.6	1037.6
5°	1012.1	1027.5	1057.6	1080.4	1080.4	1062.2	1047.6	1028.5	1000.2	992.9	987.5
7.5°	1051.2	1100.4	1127.7	1113.2	1084.0	1015.7	921.0	851.7	793.4	771.6	761.5
10°	1120.5	1147.8	1179.7	1120.5	999.3	854.5	695.0	590.3	508.3	490.1	476.4
12.5°	1165.1	1208.8	1227.0	1080.4	842.6	626.7	453.6	335.2	277.8	234.1	226.8
15°	1223.4	1273.5	1236.1	972.0	664.1	410.8	235.0	146.7	119.3	112.0	112.0
17.5°	1263.5	1318.1	1198.8	837.2	471.0	218.6	116.6	101.1	99.3	100.2	98.4
20°	1333.6	1366.4	1142.3	680.5	281.5	112.0	93.8	90.2	88.4	91.1	89.3
22.5°	1360.0	1390.1	1050.3	492.8	126.6	74.7	70.1	67.4	69.2	68.3	67.4
25°	1358.2	1373.7	899.1	282.4	37.3	29.2	26.4	26.4	24.6	25.5	24.6
27.5°	1371.9	1333.6	729.7	83.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1379.2	1268.9	519.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1382.8	1235.2	334.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1411.1	1167.8	143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1430.2	1081.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1509.4	1054.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1612.4	1002.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1755.4	927.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1944.9	882.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2086.1	812.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2265.5	770.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2478.7	772.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2672.7	759.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2772.0	649.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2751.0	525.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2678.2	412.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	2628.1	365.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2475.9	292.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1970.4	200.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1253.5	123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	577.5	56.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.3	34.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.4	21.9	7.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.6	15.5	6.4	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.5	6.4	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	3.6	1.8	1.8	0.9	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

(END OF REPORT)