

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: P482909

Luminaire Tested: **IFLD-S-SA2A-760-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482909
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-760-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

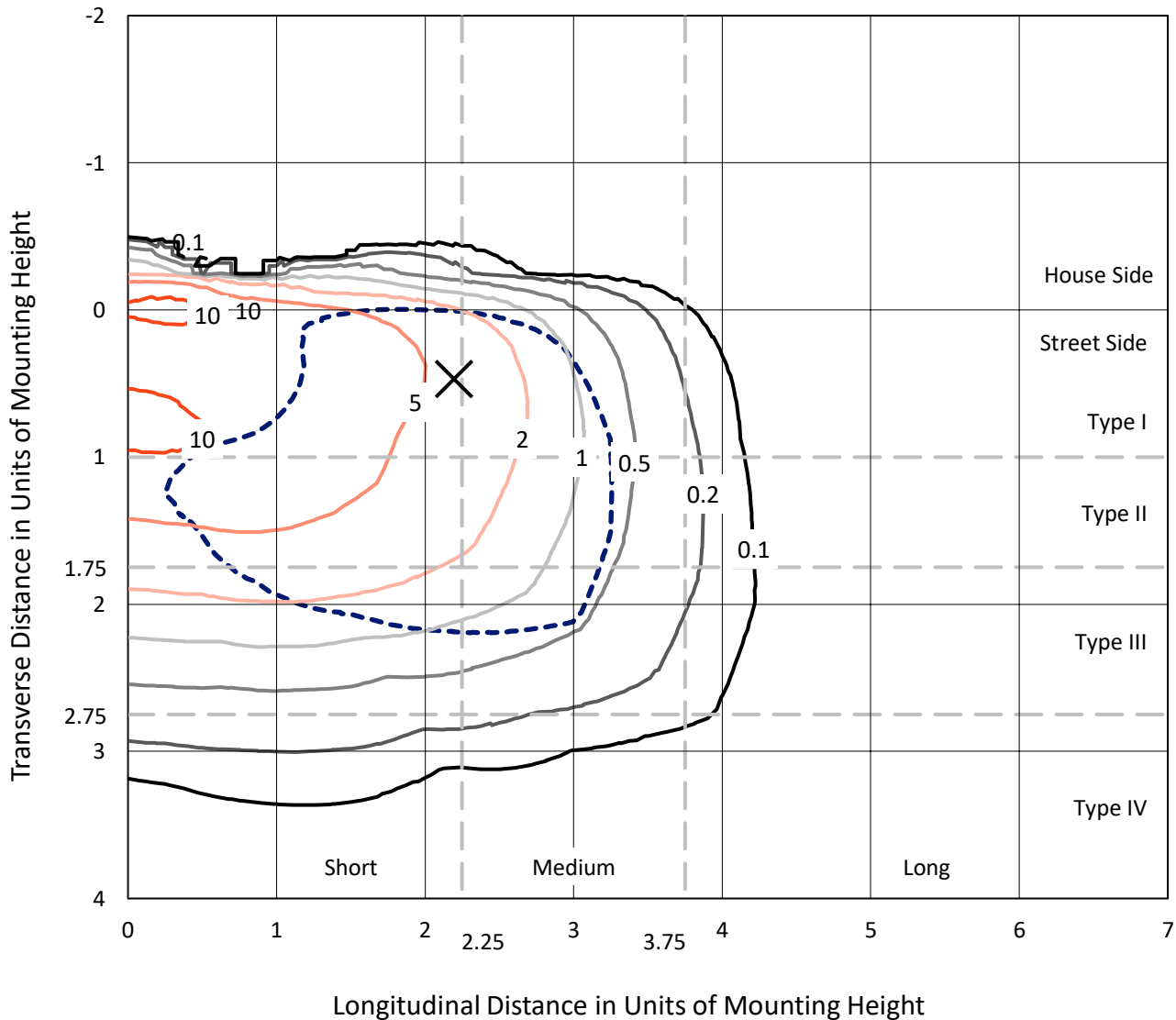
Lumens per Lamp: N/A
Luminaire Lumens: 6769.4 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8
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

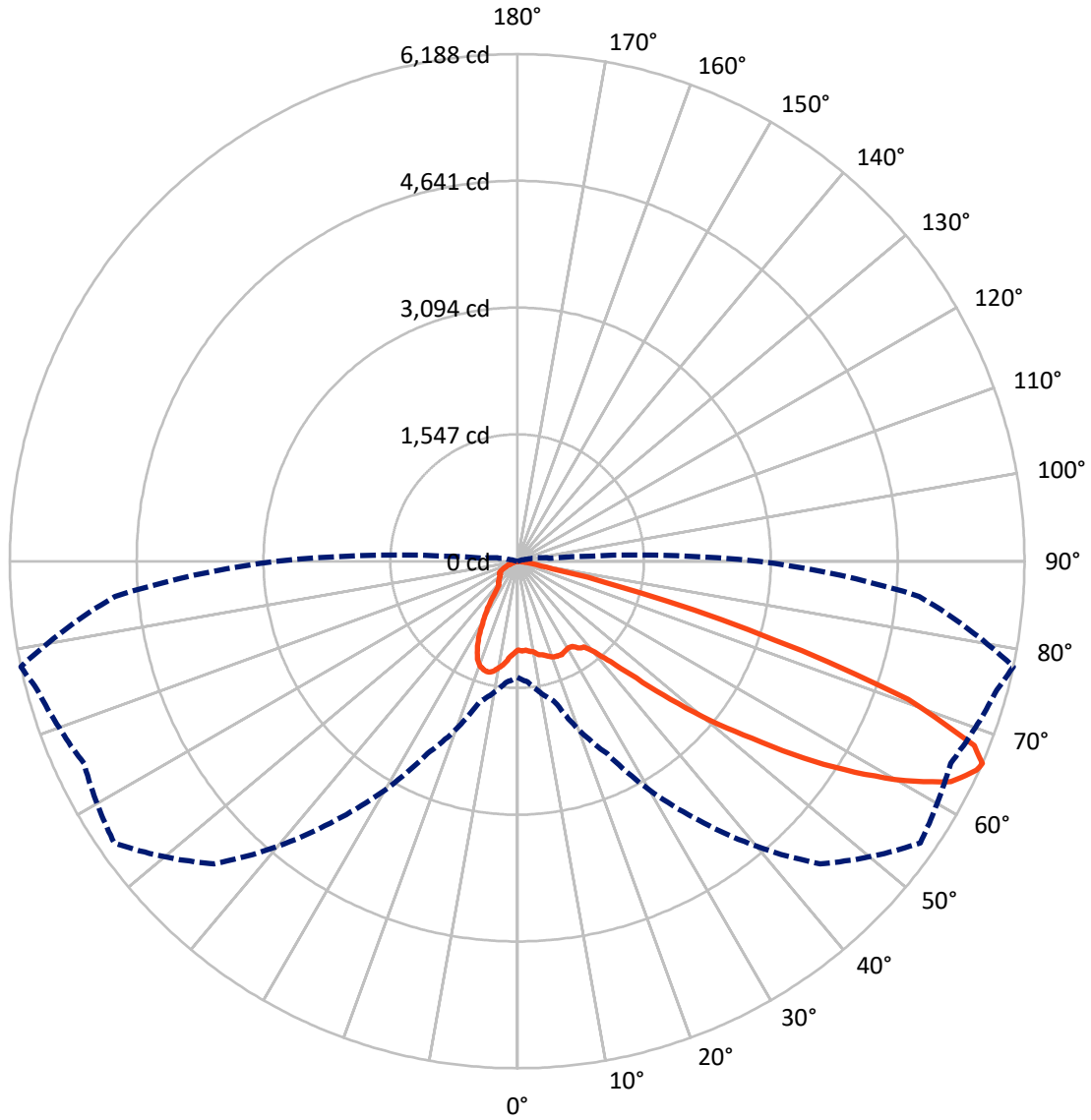
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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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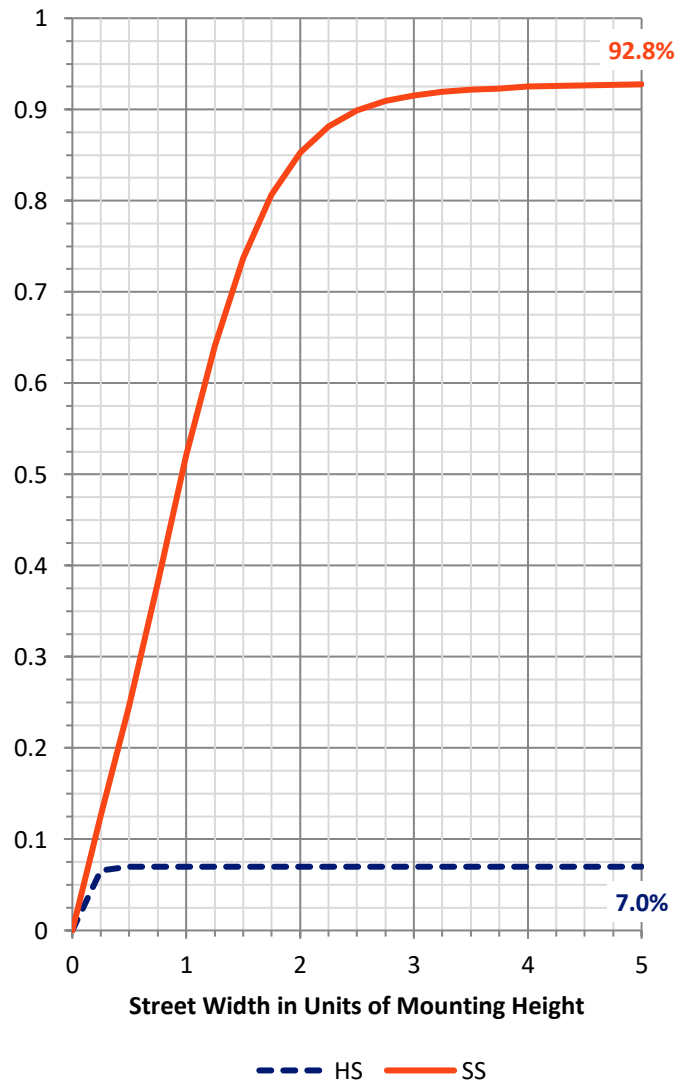
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.9	0.0	475.9
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	6293.5	0.0	6293.5
	% Fixture	93.0	0.0	93.0
Total	Lumens	6769.4	0.0	6769.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.5
10°-20°	223.9	3.3
20°-30°	320.0	4.7
30°-40°	547.8	8.1
40°-50°	988.8	14.6
50°-60°	1690.9	25.0
60°-70°	2081.2	30.7
70°-80°	786.8	11.6
80°-90°	30.7	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°	6769.4	100.0
0°-180°	6769.4	100.0

Coefficient of Utilization

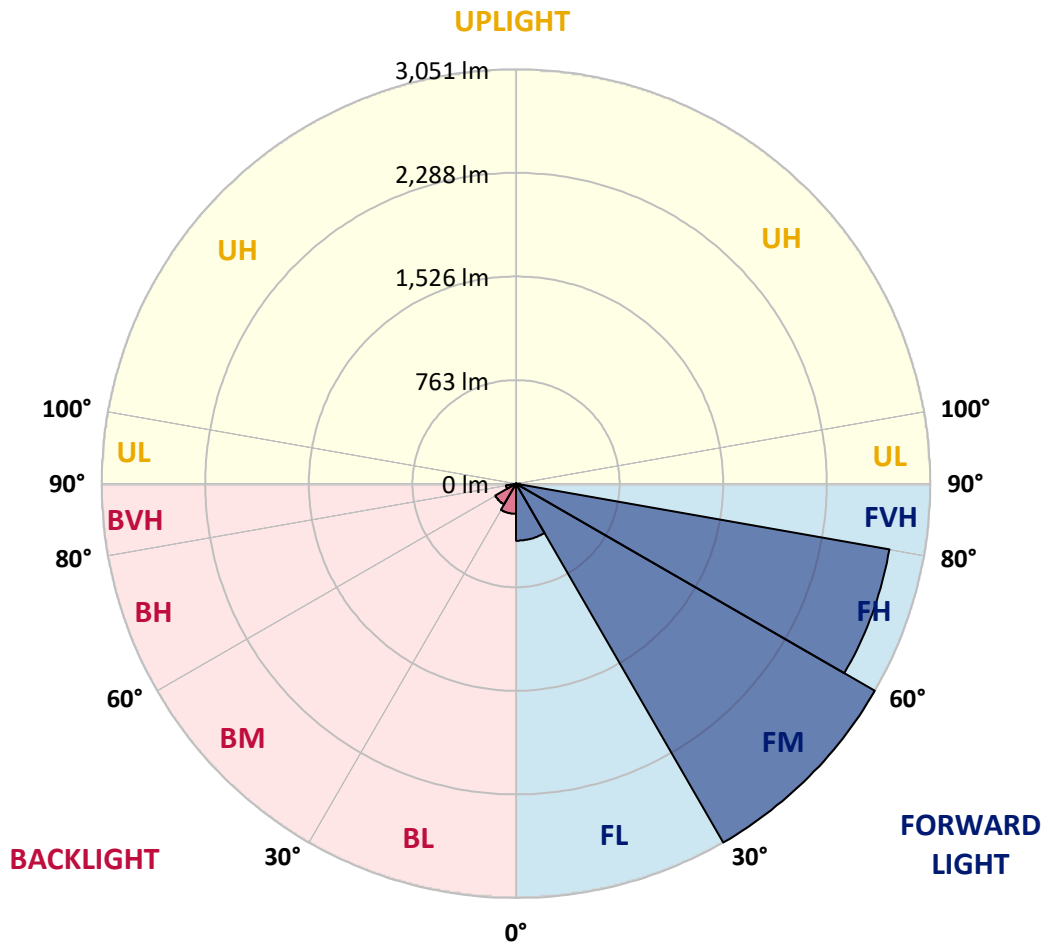


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.2	6.2			
FM (30°-60°)	3051.1	45.1			
FH (60°-80°)	2792.6	41.3			G2/5000
FVH (80°-90°)	29.5	0.4			G1/100
BL (0°-30°)	222.9	3.3	B1/500		
BM (30°-60°)	176.4	2.6	B0/220		
BH (60°-80°)	75.4	1.1	B0/110		G0/110
BVH (80°-90°)	1.2	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°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
2.5°	997.3	988.1	997.3	1010.6	1017.7	1023.9	1045.4	1063.8	1083.2	1096.5	1092.4
5°	924.7	942.1	944.1	948.2	959.4	996.3	1008.5	1040.3	1088.3	1092.4	1110.8
7.5°	867.4	862.3	875.6	902.2	930.8	952.3	988.1	1043.3	1093.4	1110.8	1146.6
10°	784.5	794.8	809.1	835.7	870.5	923.6	987.1	1048.4	1120.0	1126.2	1192.7
12.5°	739.5	729.3	751.8	779.4	838.7	887.8	965.6	1039.2	1136.4	1170.2	1246.9
15°	702.7	707.8	729.3	747.7	796.8	859.2	950.2	1061.7	1164.0	1187.5	1304.2
17.5°	687.4	684.3	700.7	719.1	779.4	850.0	944.1	1062.8	1188.6	1219.3	1343.0
20°	694.5	700.7	695.5	712.9	750.8	822.4	953.3	1082.2	1207.0	1248.9	1385.0
22.5°	807.0	798.9	757.9	725.2	727.3	811.1	946.1	1094.5	1223.3	1257.1	1413.6
25°	1100.6	1056.6	955.4	829.5	746.7	780.4	938.0	1090.4	1220.3	1262.2	1431.0
27.5°	1396.2	1358.4	1259.1	1063.8	825.5	768.2	909.3	1093.4	1204.9	1243.8	1402.3
30°	1708.2	1728.6	1581.3	1349.2	1032.1	835.7	890.9	1077.1	1194.7	1227.4	1408.5
32.5°	2028.3	2020.2	1931.2	1679.5	1327.7	985.0	920.6	1093.4	1208.0	1239.7	1444.3
35°	2278.9	2250.3	2160.3	1933.2	1572.1	1210.0	1022.9	1171.2	1266.3	1304.2	1495.4
37.5°	2402.7	2415.0	2362.8	2165.4	1840.1	1418.7	1150.7	1171.2	1284.7	1328.7	1578.3
40°	2498.9	2535.7	2516.2	2452.8	2106.1	1654.0	1291.9	1243.8	1377.8	1460.6	1733.8
42.5°	2614.4	2597.0	2711.6	2653.3	2453.8	1950.6	1539.4	1416.7	1597.7	1677.5	1967.0
45°	2675.8	2742.3	2829.2	2903.9	2776.1	2320.9	1862.6	1722.5	1934.2	2035.5	2313.7
47.5°	2833.3	2859.9	3001.1	3095.2	3037.9	2744.3	2353.6	2169.5	2357.7	2517.3	2710.6
50°	2925.4	2889.6	3087.0	3230.2	3262.9	3095.2	2793.4	2650.2	2860.9	3064.5	3081.9
52.5°	2844.6	2946.9	3144.3	3401.0	3492.1	3408.2	3310.0	3247.6	3395.9	3584.1	3500.2
55°	2561.2	2630.8	3111.6	3588.2	3881.8	3842.9	3933.9	3893.0	4042.4	4241.8	3989.2
57.5°	2333.2	2420.1	2842.5	3685.4	4244.9	4359.4	4474.0	4448.4	4628.5	4858.6	4403.4
60°	2191.0	2241.1	2648.2	3660.8	4459.7	4893.4	5152.2	4972.1	5265.7	5441.6	4727.7
62.5°	1944.5	1976.2	2364.9	3335.6	4524.1	5270.8	5709.6	5465.2	5719.9	5934.7	4960.9
65°	1558.8	1644.8	1965.9	2848.7	4098.6	5340.4	6057.4	5770.0	6016.5	6157.6	5031.5
66°	1418.7	1481.1	1775.7	2590.9	3856.2	5224.8	5999.1	5833.4	6059.4	6188.3	4923.0
67.5°	1177.3	1231.5	1465.8	2223.7	3360.1	4970.1	6040.0	5790.4	6092.2	6013.4	4777.8
70°	779.4	814.2	1002.4	1503.6	2340.3	4065.9	5602.2	5454.9	5355.7	5060.1	3735.5
72.5°	364.1	414.3	626.0	911.4	1372.7	2844.6	4568.1	4370.7	3756.0	3283.4	2356.7
75°	164.7	187.2	343.7	522.7	615.8	1473.9	2946.9	2661.5	1869.8	1552.7	1032.1
77.5°	89.0	101.3	167.7	248.6	224.0	516.5	1458.6	1213.1	589.2	431.6	299.7
80°	68.5	80.8	140.1	142.2	82.9	134.0	542.1	375.4	147.3	111.5	71.6
82.5°	35.8	51.1	110.5	92.1	41.9	54.2	167.7	104.3	46.0	36.8	30.7
85°	14.3	22.5	62.4	61.4	24.5	18.4	47.1	31.7	18.4	15.3	14.3
87.5°	1.0	1.0	33.8	23.5	15.3	5.1	7.2	7.2	9.2	8.2	10.2
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°	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2	1084.2
2.5°	1110.8	1123.1	1125.1	1158.9	1166.1	1158.9	1177.3	1174.2	1182.4	1176.3	1165.0
5°	1136.4	1153.8	1187.5	1213.1	1213.1	1192.7	1176.3	1154.8	1123.1	1114.9	1108.8
7.5°	1180.4	1235.6	1266.3	1249.9	1217.2	1140.5	1034.1	956.4	890.9	866.4	855.1
10°	1258.1	1288.8	1324.6	1258.1	1122.1	959.4	780.4	662.8	570.8	550.3	535.0
12.5°	1308.2	1357.3	1377.8	1213.1	946.1	703.7	509.4	376.4	312.0	262.9	254.7
15°	1373.7	1430.0	1388.0	1091.4	745.7	461.3	263.9	164.7	134.0	125.8	125.8
17.5°	1418.7	1480.1	1346.1	940.0	528.8	245.5	130.9	113.5	111.5	112.5	110.5
20°	1497.5	1534.3	1282.7	764.1	316.1	125.8	105.4	101.3	99.2	102.3	100.2
22.5°	1527.1	1560.9	1179.4	553.4	142.2	83.9	78.8	75.7	77.7	76.7	75.7
25°	1525.1	1542.5	1009.6	317.1	41.9	32.7	29.7	29.7	27.6	28.6	27.6
27.5°	1540.4	1497.5	819.3	94.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1548.6	1424.8	583.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1552.7	1387.0	375.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1584.4	1311.3	160.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1605.9	1214.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1694.9	1183.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1810.5	1126.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1971.1	1041.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2183.8	991.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2342.4	912.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2543.9	865.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2783.2	867.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3001.1	853.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3112.6	729.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3089.0	590.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3007.2	463.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	2951.0	410.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2780.1	328.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2212.5	225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1407.5	138.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	648.5	63.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.5	38.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.2	24.5	8.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.6	17.4	7.2	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.4	7.2	3.1	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.3	4.1	2.0	2.0	1.0	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

(END OF REPORT)