

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: P482680

Luminaire Tested: **IFLD-S-SA3A-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482680
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-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

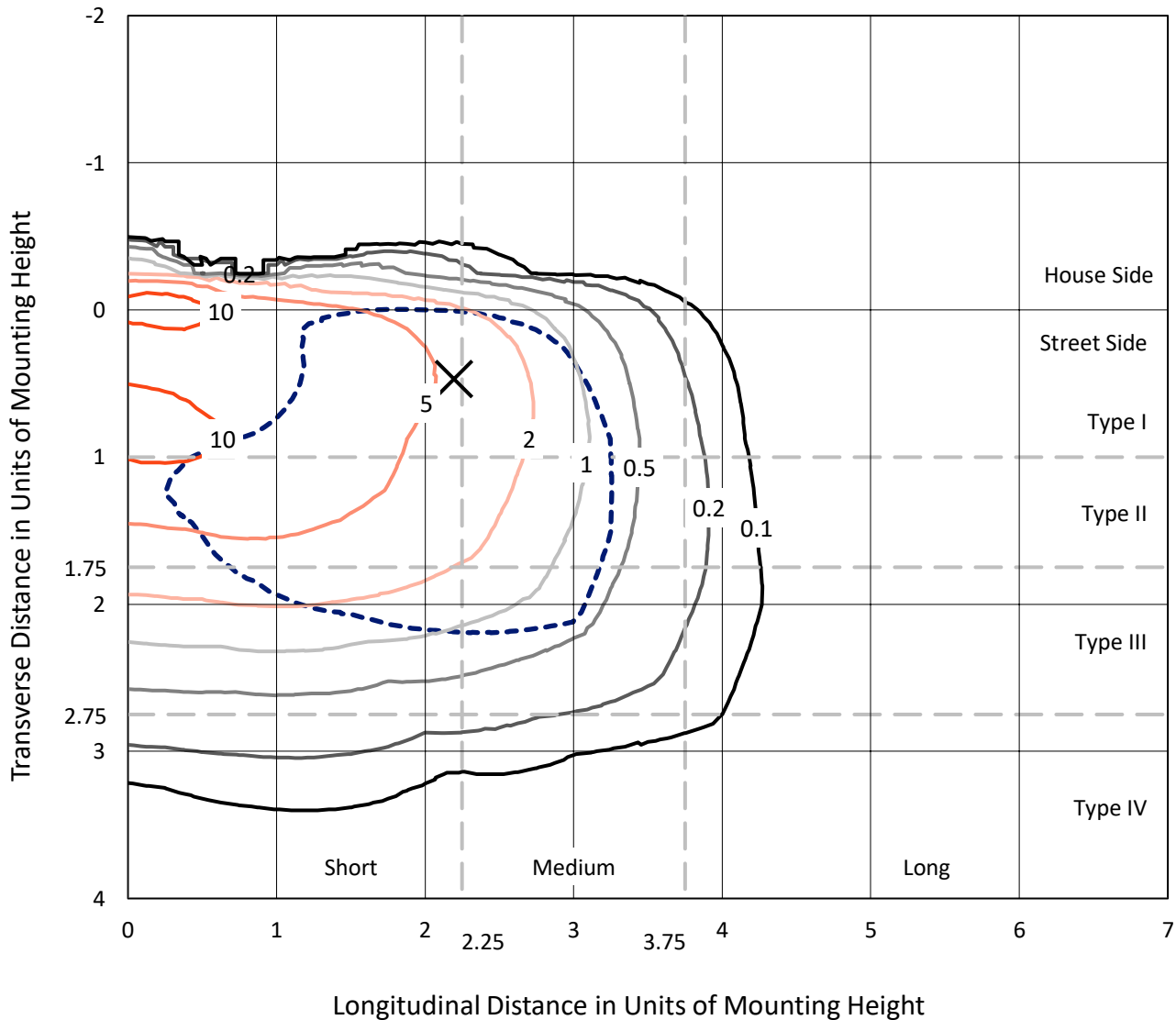
Lumens per Lamp: N/A
Luminaire Lumens: 7264.6 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

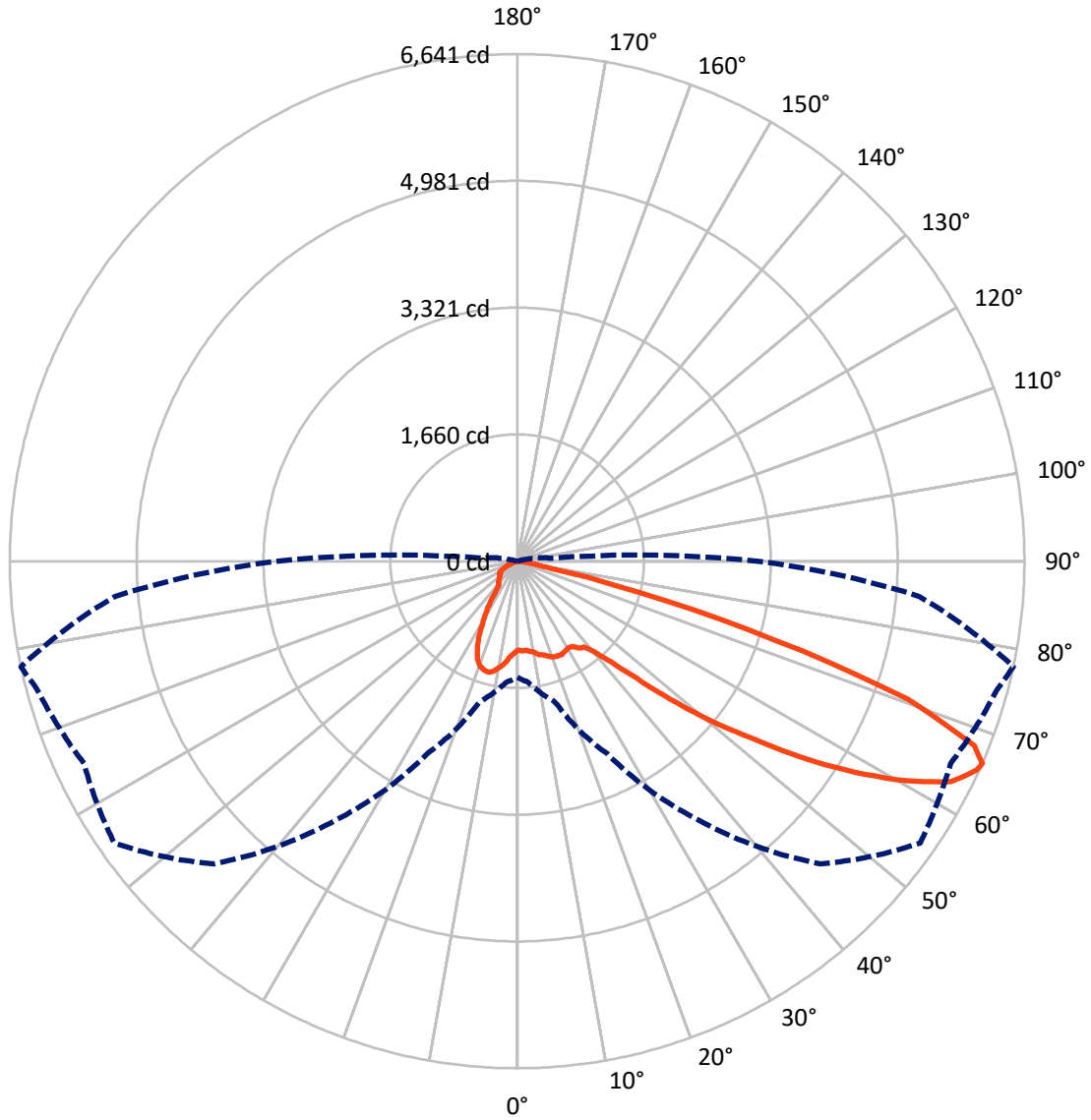
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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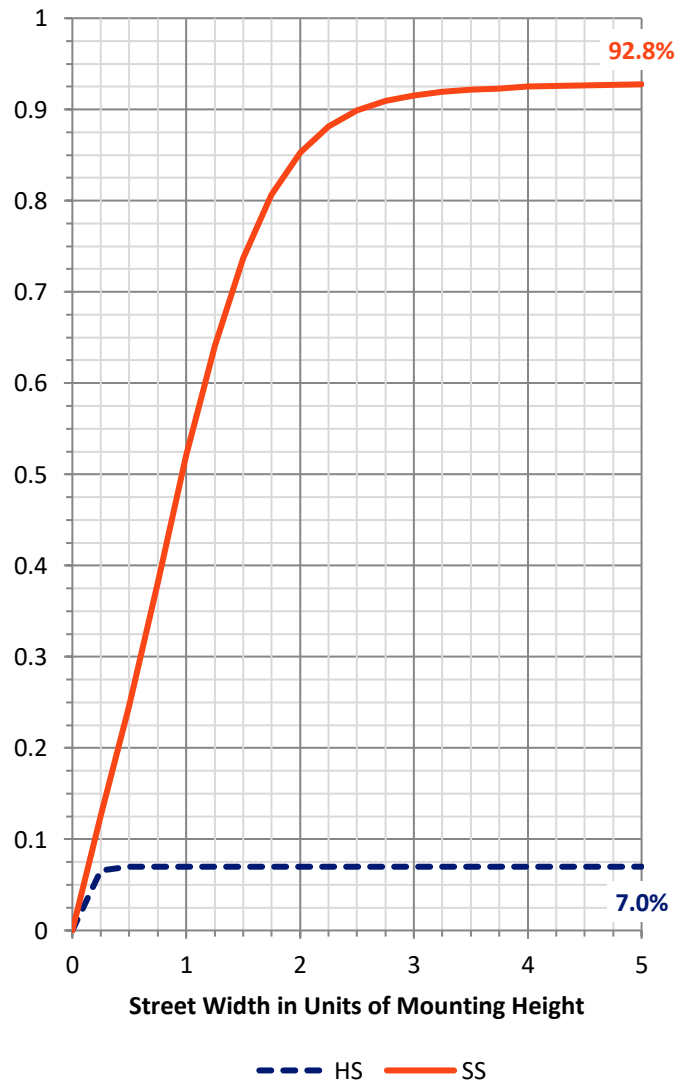
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.7	0.0	510.7
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	6753.9	0.0	6753.9
	% Fixture	93.0	0.0	93.0
Total	Lumens	7264.6	0.0	7264.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.5
10°-20°	240.3	3.3
20°-30°	343.5	4.7
30°-40°	587.9	8.1
40°-50°	1061.1	14.6
50°-60°	1814.6	25.0
60°-70°	2233.5	30.7
70°-80°	844.4	11.6
80°-90°	33.0	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°	7264.6	100.0
0°-180°	7264.6	100.0

Coefficient of Utilization

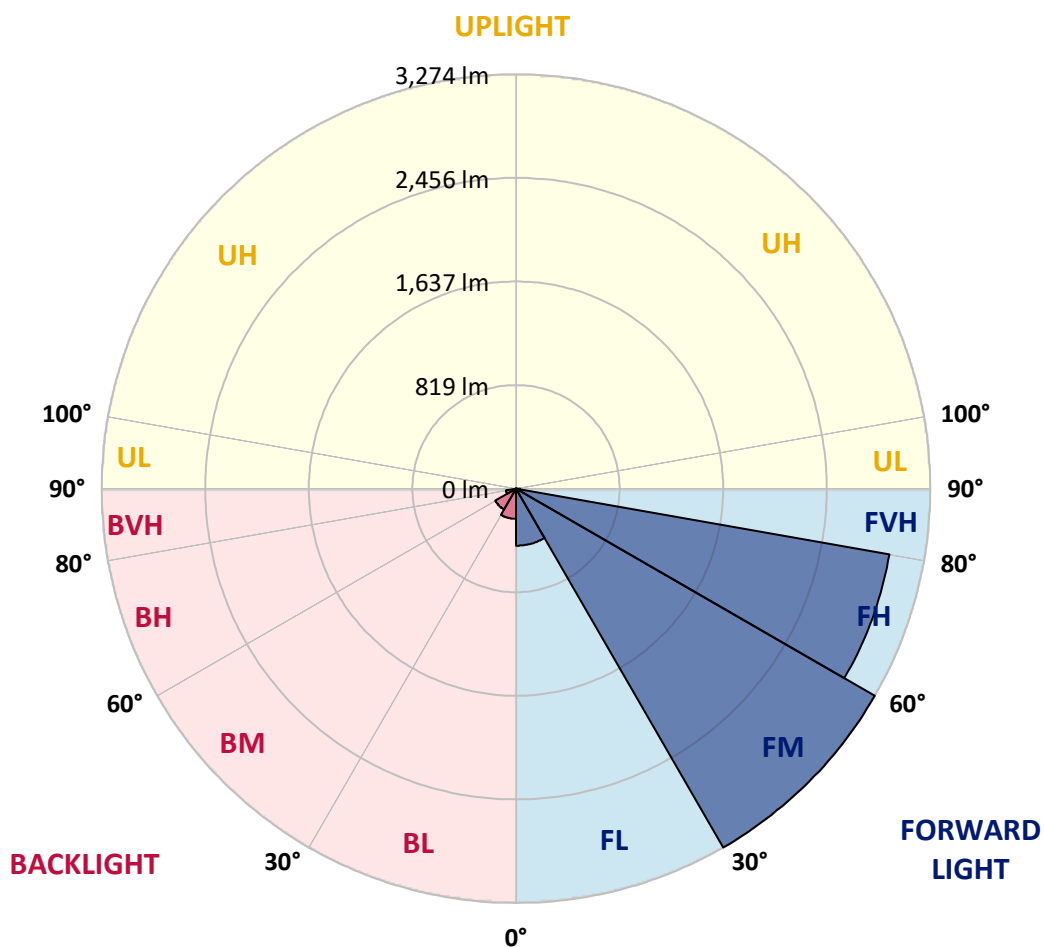


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.0	6.2			
FM (30°-60°)	3274.3	45.1			
FH (60°-80°)	2996.9	41.3			G2/5000
FVH (80°-90°)	31.7	0.4			G1/100
BL (0°-30°)	239.2	3.3	B1/500		
BM (30°-60°)	189.3	2.6	B0/220		
BH (60°-80°)	80.9	1.1	B0/110		G0/110
BVH (80°-90°)	1.3	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°	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6
2.5°	1070.3	1060.4	1070.3	1084.5	1092.2	1098.8	1121.8	1141.6	1162.5	1176.7	1172.3
5°	992.3	1011.0	1013.2	1017.6	1029.6	1069.2	1082.3	1116.4	1167.9	1172.3	1192.1
7.5°	930.8	925.4	939.6	968.2	998.9	1022.0	1060.4	1119.6	1173.4	1192.1	1230.5
10°	841.9	852.9	868.3	896.8	934.1	991.2	1059.3	1125.1	1202.0	1208.6	1279.9
12.5°	793.6	782.7	806.8	836.4	900.1	952.8	1036.2	1115.3	1219.5	1255.8	1338.1
15°	754.1	759.6	782.7	802.4	855.1	922.1	1019.8	1139.4	1249.2	1274.4	1399.6
17.5°	737.7	734.4	751.9	771.7	836.4	912.2	1013.2	1140.5	1275.5	1308.5	1441.3
20°	745.3	751.9	746.4	765.1	805.7	882.5	1023.1	1161.4	1295.3	1340.3	1486.3
22.5°	866.1	857.3	813.4	778.3	780.5	870.5	1015.4	1174.5	1312.8	1349.1	1517.0
25°	1181.1	1133.9	1025.2	890.2	801.3	837.5	1006.6	1170.1	1309.6	1354.6	1535.7
27.5°	1498.4	1457.7	1351.3	1141.6	885.8	824.4	975.9	1173.4	1293.1	1334.8	1504.9
30°	1833.2	1855.1	1697.0	1447.9	1107.6	896.8	956.1	1155.9	1282.1	1317.2	1511.5
32.5°	2176.7	2167.9	2072.4	1802.4	1424.8	1057.1	987.9	1173.4	1296.4	1330.4	1549.9
35°	2445.7	2414.9	2318.3	2074.6	1687.2	1298.6	1097.7	1256.9	1358.9	1399.6	1604.8
37.5°	2578.5	2591.7	2535.7	2323.8	1974.8	1522.5	1234.9	1256.9	1378.7	1425.9	1693.7
40°	2681.7	2721.2	2700.3	2632.3	2260.2	1775.0	1386.4	1334.8	1478.6	1567.5	1860.6
42.5°	2805.7	2787.0	2910.0	2847.4	2633.4	2093.3	1652.0	1520.3	1714.6	1800.2	2110.9
45°	2871.6	2942.9	3036.2	3116.4	2979.1	2490.7	1998.9	1848.5	2075.7	2184.4	2483.0
47.5°	3040.6	3069.2	3220.6	3321.6	3260.2	2945.1	2525.8	2328.2	2530.2	2701.4	2908.9
50°	3139.4	3101.0	3312.8	3466.5	3501.6	3321.6	2997.8	2844.1	3070.3	3288.7	3307.4
52.5°	3052.7	3162.5	3374.3	3649.8	3747.5	3657.5	3552.1	3485.2	3644.3	3846.3	3756.3
55°	2748.6	2823.3	3339.2	3850.7	4165.8	4124.0	4221.7	4177.8	4338.1	4552.1	4281.0
57.5°	2503.8	2597.1	3050.5	3955.0	4555.4	4678.4	4801.3	4773.9	4967.1	5214.1	4725.6
60°	2351.3	2405.1	2841.9	3928.7	4786.0	5251.4	5529.1	5335.9	5650.9	5839.7	5073.5
62.5°	2086.7	2120.7	2537.9	3579.6	4855.1	5656.4	6127.3	5865.0	6138.3	6368.8	5323.8
65°	1672.9	1765.1	2109.8	3057.1	4398.5	5731.1	6500.6	6192.1	6456.6	6608.1	5399.6
66°	1522.5	1589.5	1905.6	2780.5	4138.3	5607.0	6438.0	6260.2	6502.7	6641.1	5283.2
67.5°	1263.4	1321.6	1573.0	2386.4	3605.9	5333.7	6481.9	6214.1	6537.9	6453.4	5127.3
70°	836.4	873.8	1075.7	1613.6	2511.5	4363.3	6012.1	5854.0	5747.5	5430.3	4008.8
72.5°	390.8	444.6	671.8	978.0	1473.1	3052.7	4902.3	4690.5	4030.7	3523.6	2529.1
75°	176.7	200.9	368.8	560.9	660.8	1581.8	3162.5	2856.2	2006.6	1666.3	1107.6
77.5°	95.5	108.7	180.0	266.7	240.4	554.3	1565.3	1301.9	632.3	463.2	321.6
80°	73.5	86.7	150.4	152.6	88.9	143.8	581.8	402.9	158.1	119.6	76.8
82.5°	38.4	54.9	118.6	98.8	45.0	58.2	180.0	112.0	49.4	39.5	32.9
85°	15.4	24.1	67.0	65.9	26.3	19.8	50.5	34.0	19.8	16.5	15.4
87.5°	1.1	1.1	36.2	25.2	16.5	5.5	7.7	7.7	9.9	8.8	11.0
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°	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6	1163.6
2.5°	1192.1	1205.3	1207.5	1243.7	1251.4	1243.7	1263.4	1260.2	1268.9	1262.3	1250.3
5°	1219.5	1238.2	1274.4	1301.9	1301.9	1279.9	1262.3	1239.3	1205.3	1196.5	1189.9
7.5°	1266.7	1326.0	1358.9	1341.4	1306.3	1223.9	1109.8	1026.3	956.1	929.7	917.7
10°	1350.2	1383.1	1421.5	1350.2	1204.2	1029.6	837.5	711.3	612.5	590.6	574.1
12.5°	1404.0	1456.6	1478.6	1301.9	1015.4	755.2	546.7	404.0	334.8	282.1	273.3
15°	1474.2	1534.6	1489.6	1171.2	800.2	495.1	283.2	176.7	143.8	135.0	135.0
17.5°	1522.5	1588.4	1444.6	1008.8	567.5	263.4	140.5	121.8	119.6	120.7	118.6
20°	1607.0	1646.5	1376.5	820.0	339.2	135.0	113.1	108.7	106.5	109.8	107.6
22.5°	1638.9	1675.1	1265.6	593.9	152.6	90.0	84.5	81.2	83.4	82.3	81.2
25°	1636.7	1655.3	1083.4	340.3	45.0	35.1	31.8	31.8	29.6	30.7	29.6
27.5°	1653.1	1607.0	879.3	101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1661.9	1529.1	625.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1666.3	1488.5	402.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1700.3	1407.2	172.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1723.4	1303.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1818.9	1270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1942.9	1208.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2115.3	1117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2343.6	1063.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2513.7	979.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2730.0	928.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2986.8	930.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3220.6	915.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3340.3	782.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3315.0	633.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3227.2	497.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	3166.9	440.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2983.5	352.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2374.3	241.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1510.4	148.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	695.9	68.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	218.4	41.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	57.1	26.3	8.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.6	18.7	7.7	3.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.7	7.7	3.3	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.5	4.4	2.2	2.2	1.1	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)