

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: P482677

Luminaire Tested: **IFLD-S-SA2C-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482677
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-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

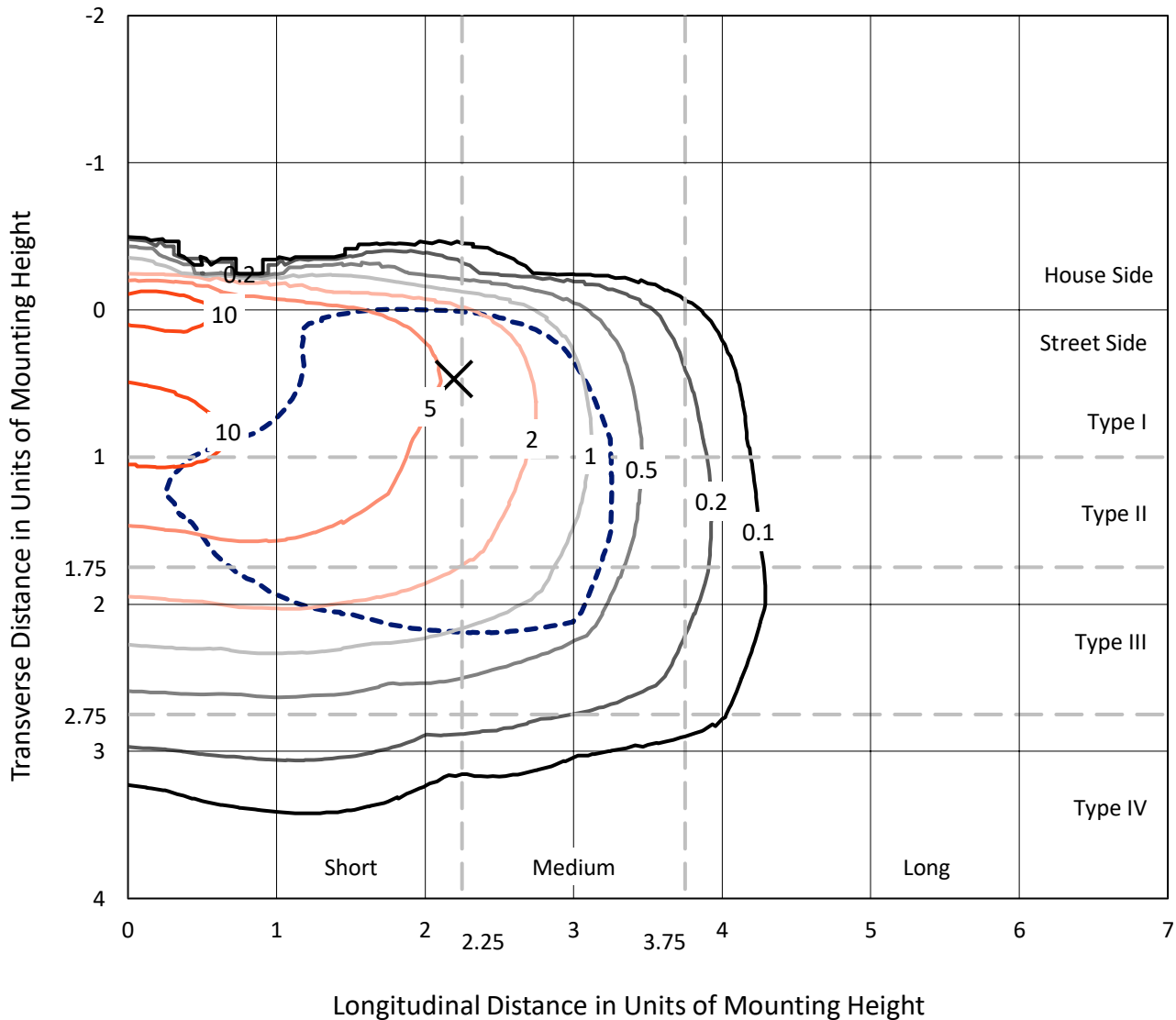
Lumens per Lamp: N/A
Luminaire Lumens: 7504.8 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2
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

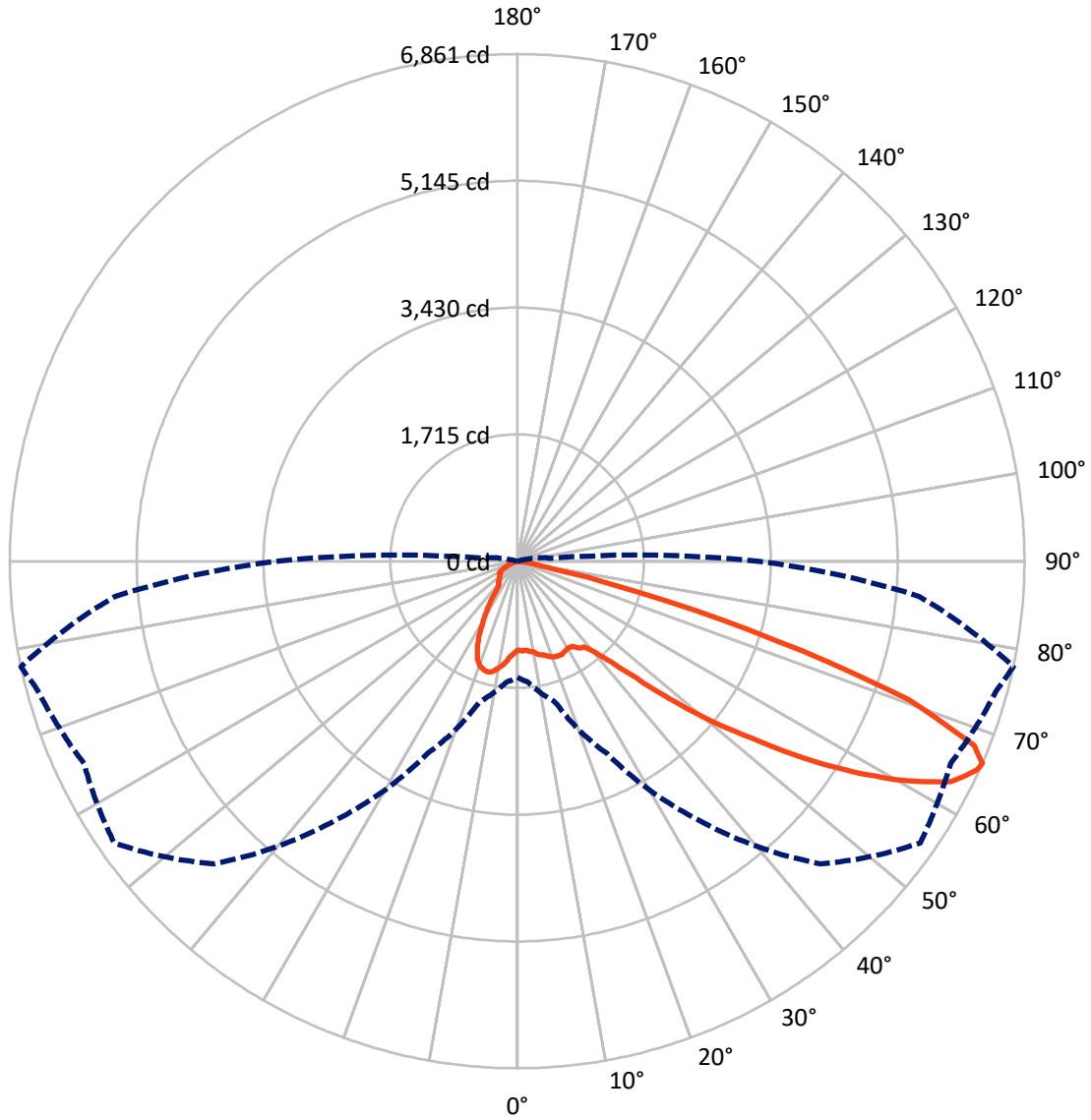
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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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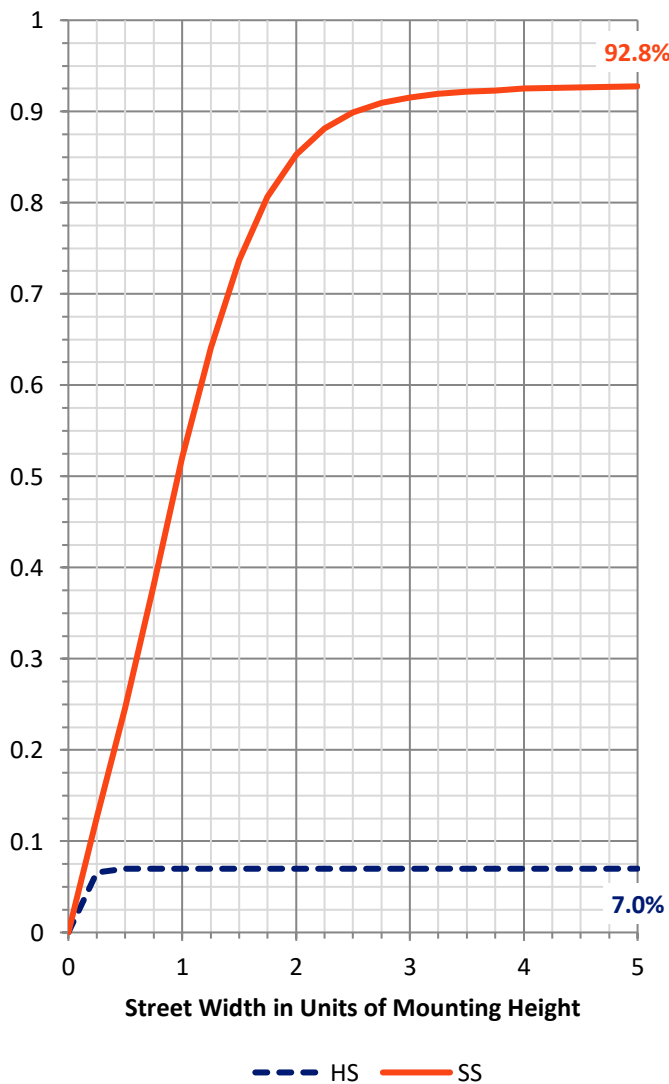
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.6	0.0	527.6
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	6977.2	0.0	6977.2
	% Fixture	93.0	0.0	93.0
Total	Lumens	7504.8	0.0	7504.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.5
10°-20°	248.2	3.3
20°-30°	354.8	4.7
30°-40°	607.3	8.1
40°-50°	1096.2	14.6
50°-60°	1874.6	25.0
60°-70°	2307.3	30.7
70°-80°	872.3	11.6
80°-90°	34.1	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°	7504.8	100.0
0°-180°	7504.8	100.0

Coefficient of Utilization

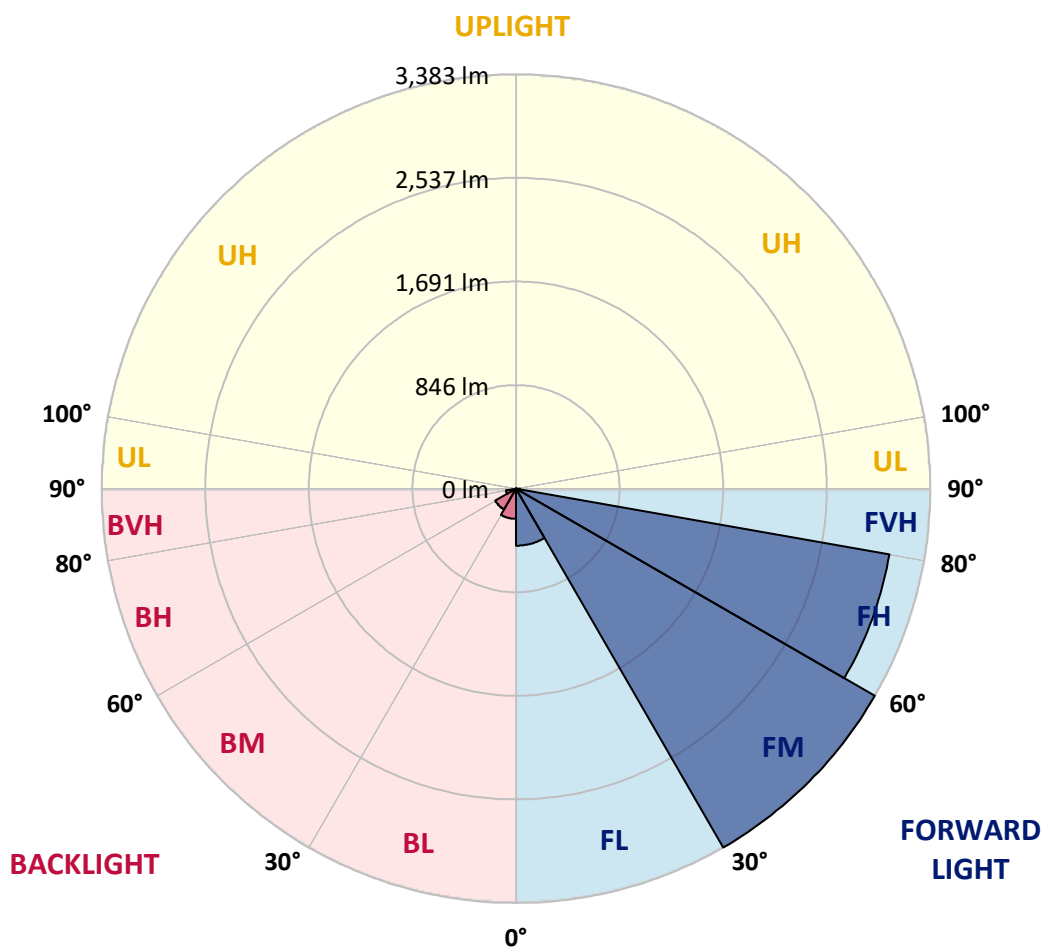


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.9	6.2			
FM (30°-60°)	3382.6	45.1			
FH (60°-80°)	3096.0	41.3			G2/5000
FVH (80°-90°)	32.7	0.4			G1/100
BL (0°-30°)	247.1	3.3	B1/500		
BM (30°-60°)	195.6	2.6	B0/220		
BH (60°-80°)	83.6	1.1	B0/110		G0/110
BVH (80°-90°)	1.4	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°	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0
2.5°	1105.6	1095.4	1105.6	1120.4	1128.3	1135.1	1158.9	1179.3	1200.9	1215.6	1211.1
5°	1025.1	1044.4	1046.7	1051.2	1063.7	1104.5	1118.1	1153.3	1206.6	1211.1	1231.5
7.5°	961.6	956.0	970.7	1000.2	1031.9	1055.7	1095.4	1156.7	1212.2	1231.5	1271.2
10°	869.8	881.1	897.0	926.5	965.0	1024.0	1094.3	1162.3	1241.7	1248.5	1322.2
12.5°	819.9	808.5	833.5	864.1	929.9	984.3	1070.5	1152.1	1259.9	1297.3	1382.3
15°	779.0	784.7	808.5	828.9	883.4	952.5	1053.5	1177.1	1290.5	1316.6	1445.8
17.5°	762.0	758.6	776.8	797.2	864.1	942.3	1046.7	1178.2	1317.7	1351.7	1488.9
20°	770.0	776.8	771.1	790.4	832.3	911.7	1056.9	1199.8	1338.1	1384.6	1535.4
22.5°	894.7	885.6	840.3	804.0	806.3	899.3	1048.9	1213.4	1356.2	1393.7	1567.2
25°	1220.2	1171.4	1059.1	919.7	827.8	865.2	1039.9	1208.8	1352.8	1399.3	1586.4
27.5°	1547.9	1505.9	1395.9	1179.3	915.1	851.6	1008.1	1212.2	1335.8	1378.9	1554.7
30°	1893.8	1916.4	1753.1	1495.7	1144.2	926.5	987.7	1194.1	1324.5	1360.8	1561.5
32.5°	2248.7	2239.6	2141.0	1862.0	1471.9	1092.0	1020.6	1212.2	1339.2	1374.4	1601.2
35°	2526.5	2494.8	2395.0	2143.2	1742.9	1341.5	1134.0	1298.4	1403.9	1445.8	1657.9
37.5°	2663.7	2677.3	2619.5	2400.7	2040.0	1572.8	1275.7	1298.4	1424.3	1473.0	1749.7
40°	2770.3	2811.2	2789.6	2719.3	2334.9	1833.7	1432.2	1378.9	1527.5	1619.3	1922.1
42.5°	2898.5	2879.2	3006.2	2941.6	2720.4	2162.5	1706.7	1570.6	1771.3	1859.7	2180.7
45°	2966.5	3040.2	3136.6	3219.4	3077.6	2573.0	2065.0	1909.6	2144.4	2256.6	2565.1
47.5°	3141.1	3170.6	3327.1	3431.4	3367.9	3042.5	2609.3	2405.2	2613.8	2790.7	3005.1
50°	3243.2	3203.5	3422.4	3581.1	3617.4	3431.4	3096.9	2938.2	3171.8	3397.4	3416.7
52.5°	3153.6	3267.0	3485.9	3770.5	3871.4	3778.4	3669.6	3600.4	3764.8	3973.5	3880.5
55°	2839.5	2916.6	3449.6	3978.0	4303.5	4260.4	4361.3	4316.0	4481.5	4702.6	4422.5
57.5°	2586.6	2683.0	3151.3	4085.8	4706.0	4833.1	4960.1	4931.7	5131.3	5386.4	4881.8
60°	2429.0	2484.6	2935.9	4058.5	4944.2	5425.0	5711.9	5512.3	5837.8	6032.8	5241.3
62.5°	2155.7	2190.9	2621.8	3697.9	5015.6	5843.4	6329.9	6058.9	6341.3	6579.4	5499.8
65°	1728.2	1823.5	2179.5	3158.2	4543.9	5920.5	6715.5	6396.8	6670.1	6826.6	5578.1
66°	1572.8	1642.0	1968.6	2872.4	4275.1	5792.4	6650.8	6467.1	6717.7	6860.6	5457.9
67.5°	1305.2	1365.3	1625.0	2465.3	3725.1	5510.0	6696.2	6419.5	6754.0	6666.7	5296.9
70°	864.1	902.7	1111.3	1667.0	2594.6	4507.6	6210.8	6047.6	5937.6	5609.8	4141.3
72.5°	403.7	459.3	694.0	1010.4	1521.8	3153.6	5064.4	4845.5	4164.0	3640.1	2612.7
75°	182.6	207.5	381.0	579.5	682.7	1634.1	3267.0	2950.6	2072.9	1721.4	1144.2
77.5°	98.7	112.3	186.0	275.6	248.3	572.7	1617.1	1344.9	653.2	478.5	332.3
80°	76.0	89.6	155.4	157.6	91.9	148.6	601.0	416.2	163.3	123.6	79.4
82.5°	39.7	56.7	122.5	102.1	46.5	60.1	186.0	115.7	51.0	40.8	34.0
85°	15.9	24.9	69.2	68.0	27.2	20.4	52.2	35.2	20.4	17.0	15.9
87.5°	1.1	1.1	37.4	26.1	17.0	5.7	7.9	7.9	10.2	9.1	11.3
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°	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0	1202.0
2.5°	1231.5	1245.1	1247.4	1284.8	1292.7	1284.8	1305.2	1301.8	1310.9	1304.1	1291.6
5°	1259.9	1279.1	1316.6	1344.9	1344.9	1322.2	1304.1	1280.3	1245.1	1236.0	1229.2
7.5°	1308.6	1369.9	1403.9	1385.7	1349.4	1264.4	1146.5	1060.3	987.7	960.5	948.0
10°	1394.8	1428.8	1468.5	1394.8	1244.0	1063.7	865.2	734.8	632.8	610.1	593.1
12.5°	1450.4	1504.8	1527.5	1344.9	1048.9	780.2	564.7	417.3	345.9	291.4	282.4
15°	1522.9	1585.3	1538.8	1210.0	826.7	511.4	292.6	182.6	148.6	139.5	139.5
17.5°	1572.8	1640.9	1492.3	1042.1	586.3	272.2	145.2	125.9	123.6	124.7	122.5
20°	1660.2	1701.0	1422.0	847.1	350.4	139.5	116.8	112.3	110.0	113.4	111.1
22.5°	1693.0	1730.5	1307.5	613.5	157.6	93.0	87.3	83.9	86.2	85.0	83.9
25°	1690.8	1710.1	1119.2	351.5	46.5	36.3	32.9	32.9	30.6	31.8	30.6
27.5°	1707.8	1660.2	908.3	104.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1716.9	1579.6	646.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1721.4	1537.7	416.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1756.5	1453.8	178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1780.4	1346.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1879.0	1312.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2007.2	1248.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2185.2	1154.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2421.1	1098.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2596.8	1011.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2820.2	959.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3085.6	961.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3327.1	945.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3450.7	808.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3424.6	654.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3333.9	513.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	3271.6	454.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3082.2	364.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2452.8	249.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1560.4	153.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	718.9	70.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	225.7	43.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	59.0	27.2	9.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.6	19.3	7.9	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.3	7.9	3.4	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.0	4.5	2.3	2.3	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)