

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: P481511

Luminaire Tested: **IFLD-S-SA3B-722-U-T2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481511
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-T2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

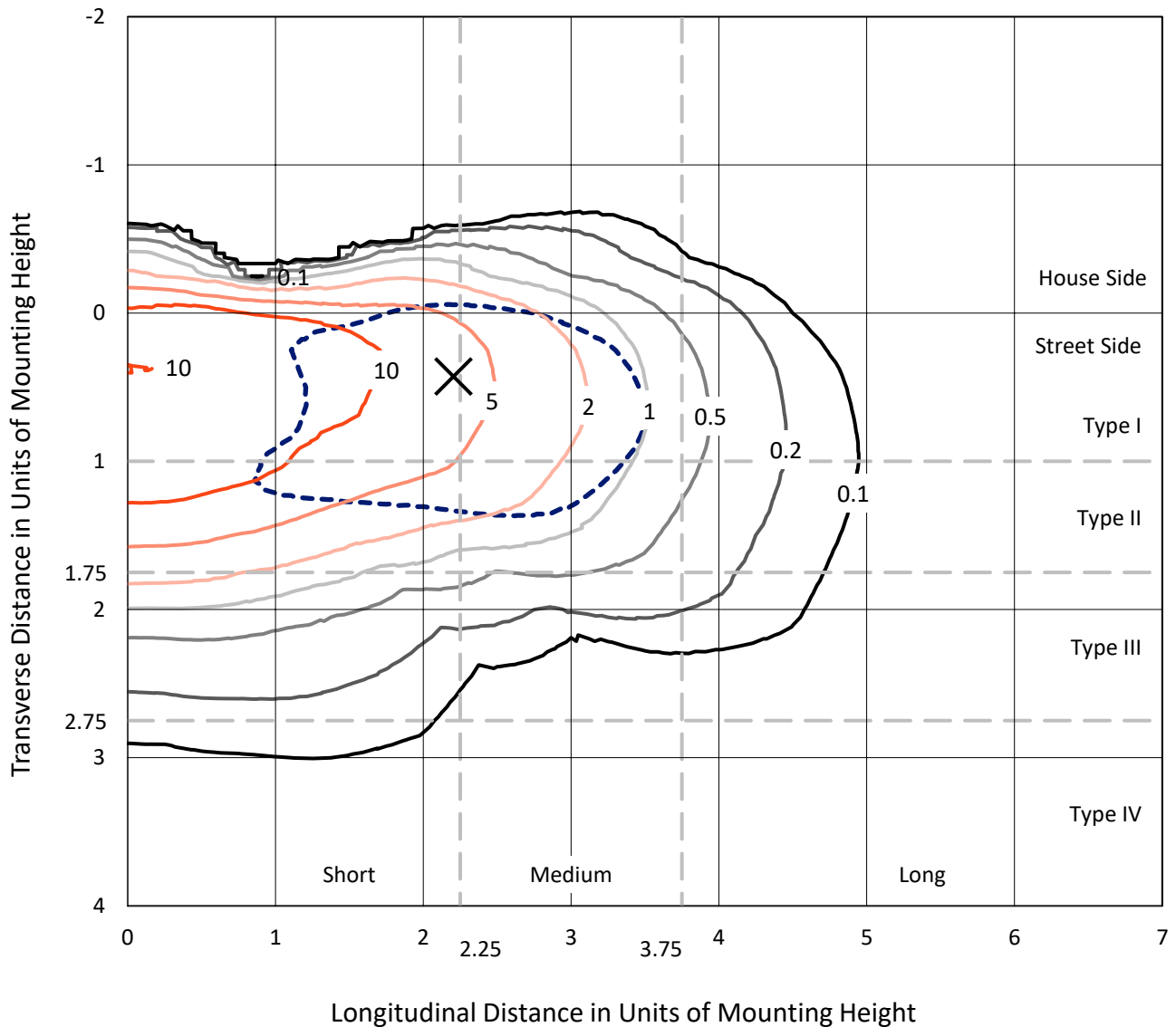
Lumens per Lamp: N/A
Luminaire Lumens: 9026.1 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4
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

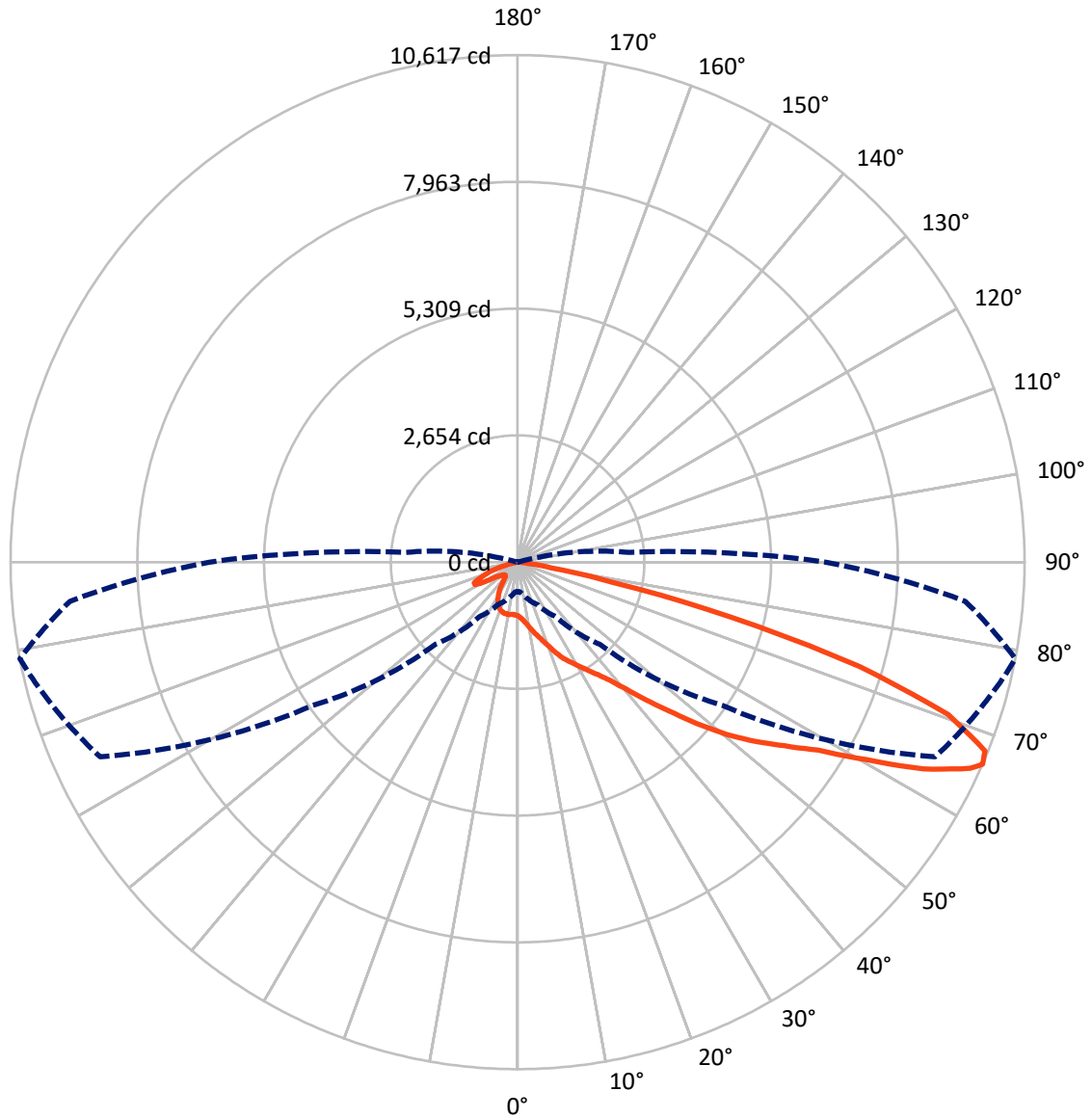
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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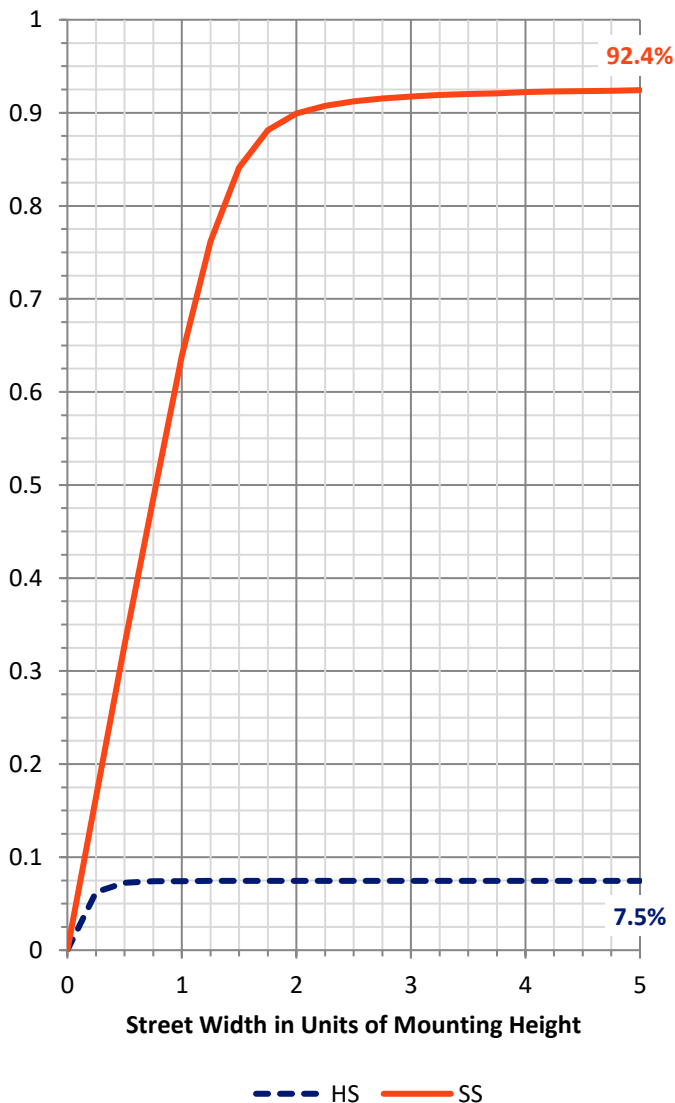
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	677.7	0.0	677.7
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	8348.4	0.0	8348.4
	% Fixture	92.5	0.0	92.5
Total	Lumens	9026.1	0.0	9026.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	1.2
10°-20°	292.3	3.2
20°-30°	485.5	5.4
30°-40°	834.0	9.2
40°-50°	1510.9	16.7
50°-60°	2388.3	26.5
60°-70°	2430.2	26.9
70°-80°	926.8	10.3
80°-90°	52.0	0.6
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°	9026.1	100.0
0°-180°	9026.1	100.0

Coefficient of Utilization

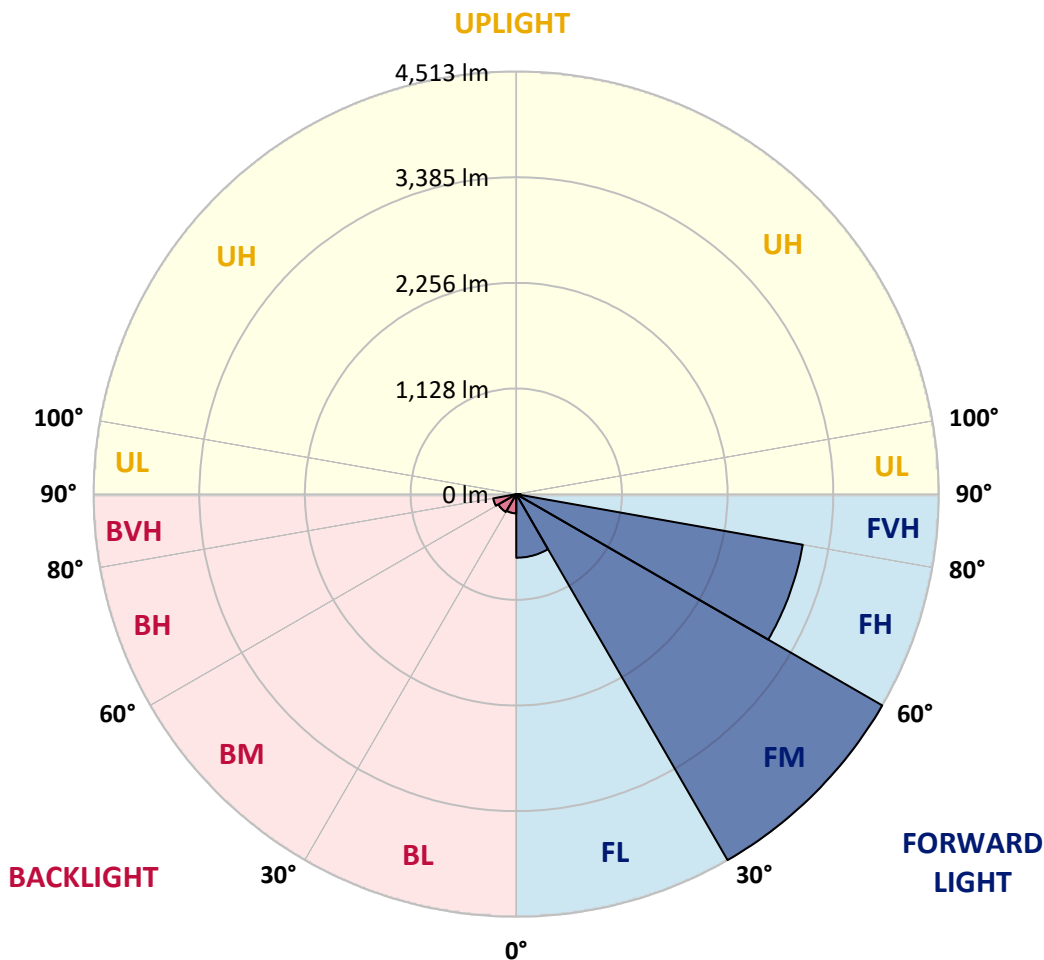


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.1	7.5			
FM (30°-60°)	4512.9	50.0			
FH (60°-80°)	3107.2	34.4			G2/5000
FVH (80°-90°)	49.3	0.5			G1/100
BL (0°-30°)	205.0	2.3	B1/500		
BM (30°-60°)	220.3	2.4	B1/1000		
BH (60°-80°)	249.8	2.8	B1/500		G1/500
BVH (80°-90°)	2.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0
2.5°	1271.9	1270.5	1264.9	1255.2	1242.6	1238.5	1220.4	1195.3	1181.4	1166.1	1159.1
5°	1359.5	1352.6	1369.3	1362.3	1365.1	1331.7	1309.4	1291.3	1238.5	1217.6	1184.2
7.5°	1379.0	1386.0	1384.6	1395.7	1406.8	1419.4	1404.0	1377.6	1324.7	1294.1	1257.9
10°	1379.0	1376.2	1387.3	1402.7	1434.7	1462.5	1504.2	1469.4	1429.1	1392.9	1327.5
12.5°	1354.0	1349.8	1360.9	1392.9	1450.0	1507.0	1552.9	1586.3	1529.3	1500.1	1415.2
15°	1277.4	1273.2	1319.2	1376.2	1451.4	1544.6	1640.6	1694.9	1655.9	1610.0	1515.4
17.5°	1182.8	1188.4	1237.1	1331.7	1451.4	1562.7	1685.1	1803.4	1797.8	1739.4	1640.6
20°	1150.8	1155.0	1203.7	1271.9	1408.2	1575.2	1754.7	1921.7	1955.1	1885.5	1756.1
22.5°	1212.0	1207.8	1212.0	1253.8	1379.0	1564.1	1800.6	2056.7	2116.5	2062.2	1907.8
25°	1420.7	1418.0	1383.2	1319.2	1362.3	1539.0	1824.3	2145.7	2283.5	2233.4	2030.2
27.5°	1726.9	1715.7	1661.5	1527.9	1440.2	1554.3	1863.2	2232.0	2429.6	2372.5	2140.2
30°	2055.3	2028.8	1957.9	1790.9	1642.0	1611.4	1885.5	2296.0	2592.4	2520.0	2236.2
32.5°	2282.1	2316.9	2294.6	2124.9	1896.6	1743.6	1921.7	2376.7	2742.7	2695.4	2400.4
35°	2632.8	2673.1	2579.9	2429.6	2200.0	1953.7	1998.2	2442.1	2973.7	2894.4	2553.4
37.5°	3075.3	3105.9	3039.1	2753.8	2511.7	2212.5	2155.5	2578.5	3172.7	3135.1	2749.6
40°	3297.9	3445.4	3350.8	3093.4	2833.1	2574.3	2415.7	2738.5	3519.2	3488.5	3021.0
42.5°	3605.4	3679.2	3630.5	3439.8	3168.5	2961.2	2737.1	3050.2	3939.4	3939.4	3388.4
45°	3931.1	3933.8	3931.1	3775.2	3534.5	3427.3	3171.3	3441.2	4391.6	4441.7	3828.1
47.5°	4198.2	4281.7	4274.8	4181.5	3995.1	3954.7	3605.4	3886.5	4959.4	5047.1	4256.7
50°	4336.0	4429.2	4457.0	4505.8	4497.4	4582.3	4079.9	4402.8	5449.2	5664.9	4807.7
52.5°	4298.4	4305.4	4476.5	4668.6	4974.7	5212.6	4651.9	4988.6	6022.5	6235.4	5233.5
55°	3990.9	3964.4	4316.5	4536.4	5169.5	5598.1	5443.6	5719.2	6469.2	6793.4	5673.2
57.5°	3316.0	3323.0	3648.6	4095.3	5024.8	5751.2	6289.7	6673.7	7095.4	7422.4	6291.1
60°	2289.1	2280.7	2645.3	3161.5	4174.6	5465.9	6776.7	7910.8	7933.1	8396.4	7400.1
62.5°	1287.2	1289.9	1566.9	2008.0	2920.8	4466.8	6753.1	9224.4	9129.8	9536.1	8660.8
65°	729.2	747.2	937.9	1189.8	1749.1	2998.7	5808.2	9747.6	10052.4	10414.2	9426.2
66°	616.4	629.0	791.8	982.4	1395.7	2432.4	5228.0	9646.0	10341.8	10617.3	9410.9
67.5°	477.3	494.0	630.4	779.3	1024.2	1683.7	4208.0	9140.9	10394.7	10556.1	9145.1
70°	327.0	338.1	442.5	591.4	699.9	861.4	2515.9	7557.4	9431.7	9568.1	7948.4
72.5°	229.6	235.2	310.3	448.1	538.5	492.6	1248.2	5376.8	7217.8	7483.6	6182.5
75°	165.6	171.2	212.9	321.4	420.2	322.8	571.9	3434.3	4426.4	4635.2	3723.7
77.5°	119.7	126.6	144.7	207.3	304.7	226.8	281.1	1793.7	2087.3	2051.1	1601.6
80°	72.4	79.3	107.1	133.6	222.6	160.0	154.5	748.6	740.3	702.7	503.7
82.5°	33.4	39.0	57.1	90.4	155.9	111.3	73.8	267.2	233.8	214.3	141.9
85°	9.7	12.5	33.4	68.2	79.3	54.3	44.5	91.8	96.0	82.1	47.3
87.5°	0.0	1.4	15.3	16.7	23.7	18.1	16.7	23.7	44.5	36.2	15.3
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°	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0
2.5°	1134.1	1124.4	1100.7	1064.5	1032.5	1015.8	992.2	971.3	960.2	958.8	957.4
5°	1161.9	1135.5	1078.4	1013.0	964.3	911.4	875.3	848.8	823.8	800.1	814.0
7.5°	1199.5	1157.7	1064.5	979.6	873.9	805.7	741.7	704.1	681.8	661.0	658.2
10°	1257.9	1205.1	1054.8	901.7	780.6	680.5	615.1	560.8	530.2	494.0	507.9
12.5°	1337.3	1242.6	1018.6	830.7	674.9	569.1	475.9	388.2	339.5	302.0	303.4
15°	1416.6	1292.7	985.2	744.5	578.9	439.7	303.4	243.5	229.6	221.3	224.0
17.5°	1494.5	1333.1	933.7	656.8	468.9	279.7	221.3	208.7	201.8	193.4	193.4
20°	1589.1	1359.5	869.7	576.1	322.8	207.3	189.2	180.9	169.8	158.6	160.0
22.5°	1681.0	1381.8	796.0	473.1	217.1	179.5	158.6	147.5	137.8	126.6	126.6
25°	1772.8	1388.7	699.9	339.5	175.3	143.3	123.8	108.5	98.8	89.1	90.4
27.5°	1835.4	1345.6	609.5	217.1	140.5	108.5	86.3	73.8	65.4	55.7	55.7
30°	1871.6	1266.3	512.1	153.1	105.8	73.8	51.5	39.0	30.6	23.7	22.3
32.5°	1907.8	1202.3	402.2	116.9	69.6	39.0	19.5	7.0	0.0	0.0	0.0
35°	1980.1	1129.9	270.0	65.4	23.7	1.4	0.0	0.0	0.0	0.0	0.0
37.5°	2026.1	1029.7	123.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	2141.6	979.6	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	2329.4	944.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2535.4	930.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2809.5	968.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	3098.9	1070.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	3416.2	1166.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	3693.1	1281.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	4202.4	1554.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	5116.6	2090.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	6146.4	2488.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6523.5	2478.3	26.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	6456.7	2341.9	26.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	6110.2	2080.3	23.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5247.4	1718.5	23.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4000.6	1338.6	22.3	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	2414.3	712.5	18.1	7.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	961.5	250.5	13.9	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	260.2	75.1	8.3	5.6	4.2	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	68.2	27.8	7.0	5.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0
85°	26.4	11.1	5.6	4.2	4.2	2.8	1.4	0.0	0.0	0.0	0.0
87.5°	8.3	4.2	4.2	2.8	2.8	1.4	1.4	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)