

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: P483068

Luminaire Tested: **IFLD-S-SA2D-722-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483068
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-722-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

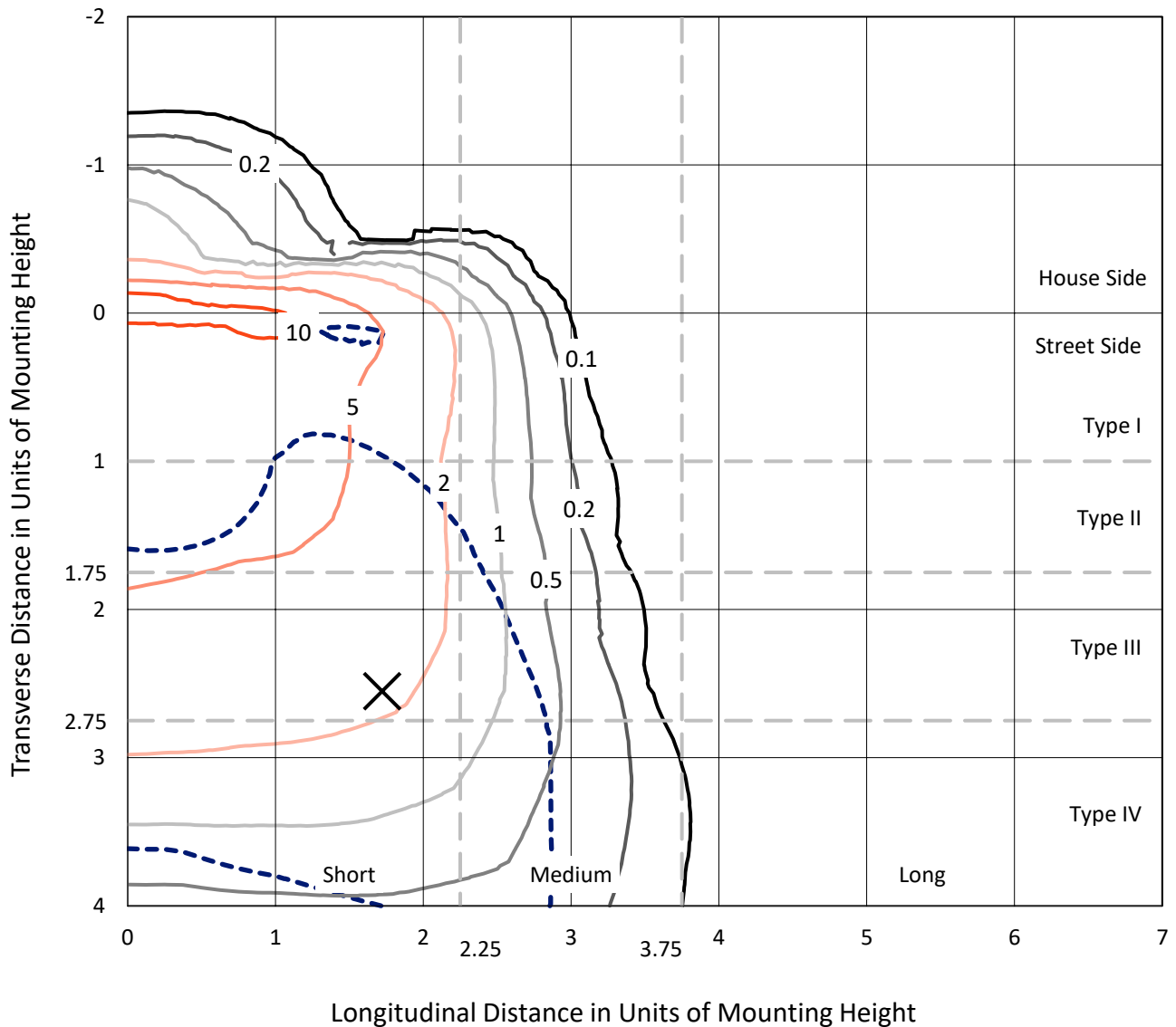
Lumens per Lamp: N/A
Luminaire Lumens: 8330 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 123.9
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

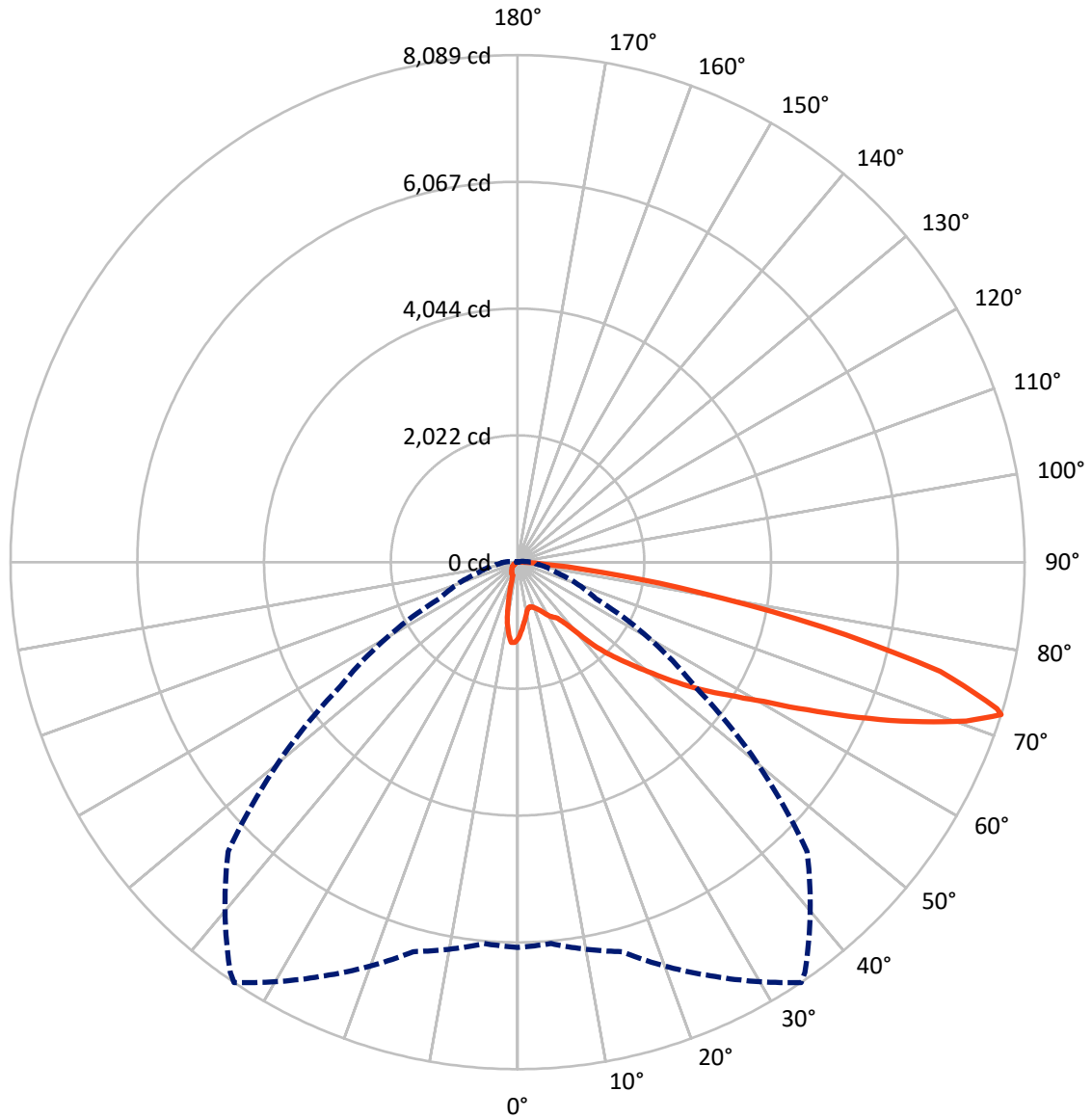
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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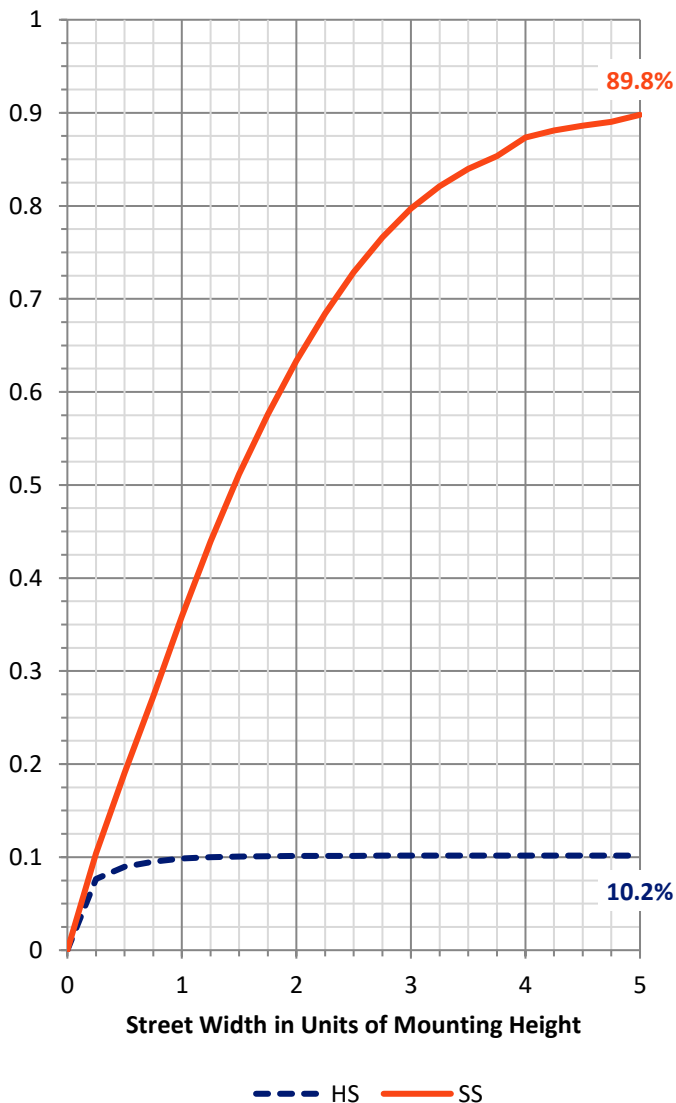
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	852.8	0.0	852.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	7477.2	0.0	7477.2
	% Fixture	89.8	0.0	89.8
Total	Lumens	8330.0	0.0	8330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.3
10°-20°	239.5	2.9
20°-30°	361.5	4.3
30°-40°	586.7	7.0
40°-50°	1103.2	13.2
50°-60°	1803.8	21.7
60°-70°	2397.9	28.8
70°-80°	1605.8	19.3
80°-90°	125.8	1.5
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°	8330.0	100.0
0°-180°	8330.0	100.0

Coefficient of Utilization



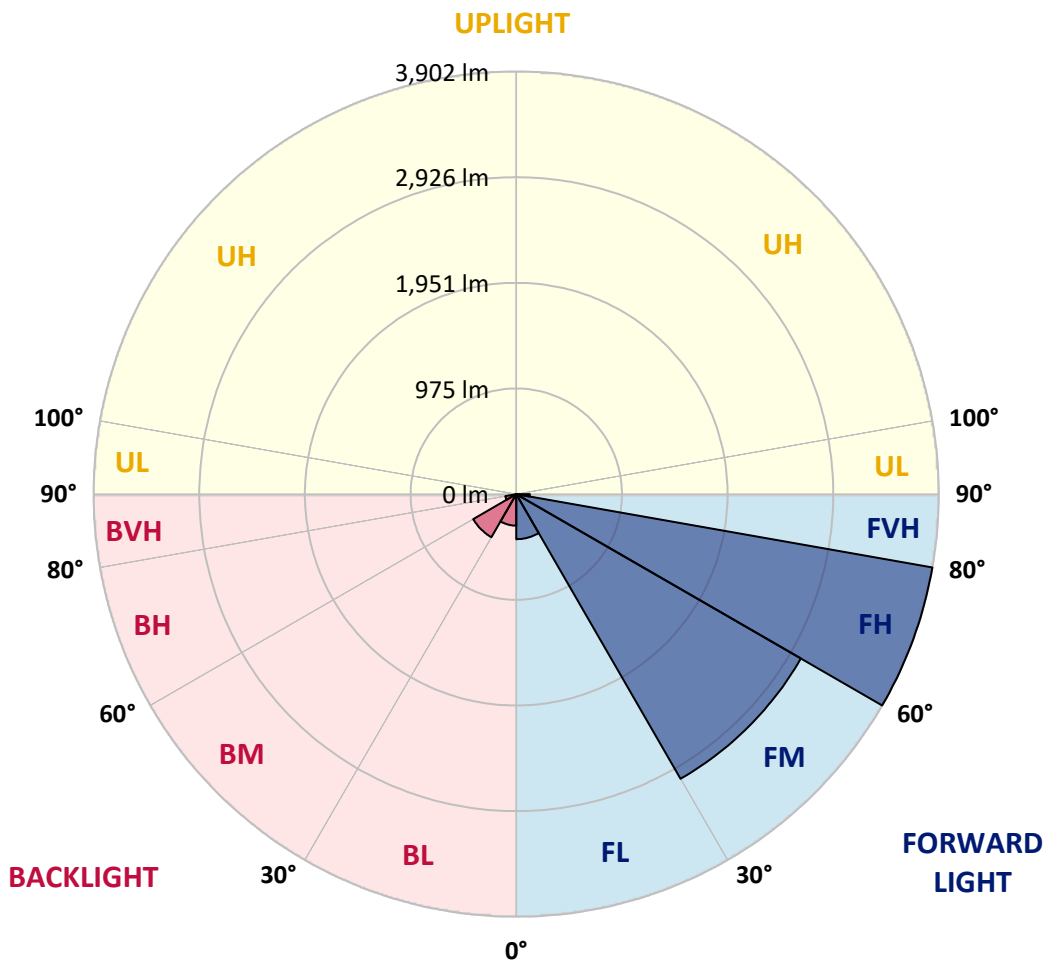
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.9	5.0			
FM (30°-60°)	3034.6	36.4			
FH (60°-80°)	3901.7	46.8			G2/5000
FVH (80°-90°)	125.0	1.5			G2/225
BL (0°-30°)	291.0	3.5	B1/500		
BM (30°-60°)	459.1	5.5	B1/1000		
BH (60°-80°)	102.0	1.2	B0/110		G0/110
BVH (80°-90°)	0.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7
2.5°	1077.8	1075.4	1082.6	1094.7	1106.7	1101.9	1124.8	1148.8	1165.7	1188.6	1216.3
5°	941.7	947.7	955.0	979.0	994.7	998.3	1040.5	1071.8	1123.6	1176.5	1225.9
7.5°	817.7	824.9	839.4	865.8	898.4	906.8	948.9	1011.6	1079.0	1148.8	1229.5
10°	727.4	734.6	750.2	767.1	810.5	810.5	868.3	955.0	1042.9	1124.8	1230.7
12.5°	708.1	711.7	710.5	723.7	751.4	757.5	814.1	909.2	1011.6	1116.3	1250.0
15°	731.0	733.4	721.3	714.1	738.2	744.2	797.2	881.5	991.1	1121.1	1281.3
17.5°	776.7	768.3	744.2	733.4	753.9	757.5	806.8	880.3	988.7	1134.4	1317.4
20°	803.2	812.9	770.7	750.2	779.1	784.0	836.9	899.6	1000.7	1157.3	1368.0
22.5°	850.2	855.0	798.4	785.2	812.9	812.9	873.1	938.1	1029.6	1194.6	1428.2
25°	916.4	910.4	844.2	830.9	857.4	868.3	928.5	999.5	1074.2	1229.5	1483.6
27.5°	968.2	971.8	917.6	882.7	927.3	934.5	999.5	1065.8	1107.9	1258.4	1551.1
30°	1045.3	1038.1	980.2	940.5	995.9	997.1	1059.7	1128.4	1172.9	1310.2	1652.2
32.5°	1136.8	1122.3	1056.1	999.5	1044.1	1054.9	1118.7	1218.7	1274.1	1407.8	1808.8
35°	1330.7	1295.8	1187.4	1099.5	1103.1	1107.9	1206.6	1350.0	1413.8	1531.8	2018.3
37.5°	1613.7	1599.2	1476.4	1309.0	1245.2	1230.7	1341.5	1523.4	1602.8	1695.6	2290.5
40°	1894.3	1873.8	1759.4	1632.9	1517.3	1488.4	1543.8	1753.4	1825.6	1923.2	2569.8
42.5°	2206.2	2170.0	2035.2	1932.8	1860.5	1829.2	1807.6	2042.4	2124.3	2190.5	2843.2
45°	2521.7	2462.7	2267.6	2189.3	2150.8	2133.9	2131.5	2406.1	2455.4	2468.7	3146.7
47.5°	2798.6	2734.8	2557.8	2469.9	2441.0	2436.2	2571.0	2825.1	2786.6	2751.7	3485.1
50°	3011.8	2970.9	2843.2	2811.9	2790.2	2781.8	3097.3	3256.3	3078.0	3016.6	3782.5
52.5°	3341.8	3250.2	3105.7	3116.6	3192.4	3193.6	3630.8	3665.7	3320.1	3198.5	4063.1
55°	3605.5	3545.3	3427.3	3411.6	3611.5	3633.2	4108.9	3976.4	3455.0	3371.9	4166.7
57.5°	3916.2	3888.5	3803.0	3805.4	4014.9	4060.7	4534.0	4238.9	3567.0	3483.9	4182.3
60°	4365.4	4285.9	4241.3	4261.8	4508.7	4553.2	4945.8	4428.0	3621.1	3557.3	4143.8
62.5°	4861.5	4768.8	4720.6	4825.4	5185.4	5192.7	5258.9	4595.4	3587.4	3576.6	3895.7
65°	5458.8	5367.3	5328.8	5539.5	5967.0	5940.5	5698.5	4666.4	3480.2	3382.7	3244.2
67.5°	6053.7	5998.3	5918.8	6254.8	6787.1	6787.1	6154.9	4639.9	3199.7	2715.6	2121.9
70°	6335.5	6374.0	6500.5	7027.9	7592.7	7534.9	6605.2	4335.3	2382.0	1458.3	834.5
72°	6147.6	6107.9	6434.2	7280.8	8088.9	7993.7	6529.4	3446.5	1376.4	639.5	290.2
72.5°	5824.9	5862.2	6311.4	7245.9	7996.1	8074.4	6343.9	3179.2	1132.0	509.4	219.2
75°	3571.8	3635.6	4711.0	6152.5	6967.7	6879.8	4907.3	1514.9	434.7	216.8	78.3
77.5°	1304.2	1357.2	2285.6	3871.6	4955.4	4900.0	2839.6	538.3	236.0	161.4	39.7
80°	339.6	367.3	776.7	1785.9	2914.3	2917.9	1188.6	215.6	160.2	132.5	24.1
82.5°	67.4	74.7	238.4	694.8	1362.0	1343.9	375.7	115.6	120.4	108.4	16.9
85°	8.4	10.8	50.6	236.0	440.8	395.0	92.7	57.8	89.1	84.3	10.8
87.5°	1.2	1.2	12.0	54.2	92.7	90.3	19.3	18.1	39.7	51.8	6.0
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°	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7
2.5°	1231.9	1236.8	1253.6	1268.1	1284.9	1289.7	1282.5	1294.6	1277.7	1287.3	1289.7
5°	1234.3	1262.0	1293.4	1313.8	1309.0	1297.0	1287.3	1254.8	1231.9	1223.5	1241.6
7.5°	1251.2	1282.5	1316.2	1316.2	1289.7	1227.1	1166.9	1109.1	1060.9	1036.8	1057.3
10°	1272.9	1305.4	1340.3	1294.6	1195.8	1081.4	995.9	887.5	814.1	775.5	779.1
12.5°	1301.8	1347.5	1359.6	1253.6	1089.8	920.0	764.7	614.2	544.3	488.9	490.1
15°	1339.1	1383.7	1347.5	1164.5	955.0	704.5	517.8	374.5	319.1	290.2	290.2
17.5°	1388.5	1422.2	1343.9	1082.6	773.1	481.7	317.9	252.9	240.8	236.0	236.0
20°	1446.3	1471.6	1309.0	955.0	574.4	309.5	233.6	226.4	227.6	225.2	225.2
22.5°	1511.3	1519.7	1269.3	806.8	389.0	228.8	218.0	219.2	220.4	218.0	219.2
25°	1580.0	1557.1	1211.5	633.4	258.9	208.3	210.7	213.2	214.4	215.6	215.6
27.5°	1657.0	1611.3	1130.8	463.6	202.3	196.3	203.5	210.7	211.9	211.9	210.7
30°	1770.2	1694.4	1052.5	314.3	178.2	183.0	195.1	203.5	209.5	209.5	208.3
32.5°	1913.5	1781.1	942.9	214.4	165.0	167.4	177.0	193.9	207.1	208.3	204.7
35°	2112.2	1885.8	828.5	171.0	155.3	156.6	162.6	175.8	198.7	205.9	204.7
37.5°	2321.8	2005.1	686.4	154.1	148.1	146.9	150.5	161.4	181.8	199.9	201.1
40°	2544.6	2130.3	537.1	145.7	142.1	139.7	140.9	145.7	161.4	184.2	189.1
42.5°	2754.1	2243.5	403.4	137.3	136.1	133.7	133.7	134.9	143.3	159.0	161.4
45°	2980.5	2336.2	307.1	131.3	127.6	128.9	124.0	121.6	127.6	128.9	127.6
47.5°	3192.4	2428.9	245.7	124.0	120.4	120.4	114.4	109.6	109.6	98.7	97.5
50°	3391.1	2479.5	196.3	114.4	113.2	112.0	103.6	95.1	87.9	74.7	72.3
52.5°	3556.1	2477.1	151.7	102.4	106.0	102.4	89.1	77.1	66.2	54.2	51.8
55°	3605.5	2361.5	114.4	84.3	90.3	85.5	71.1	60.2	48.2	38.5	37.3
57.5°	3563.3	2185.7	86.7	65.0	69.8	65.0	54.2	44.6	33.7	26.5	24.1
60°	3422.4	1979.8	67.4	50.6	53.0	49.4	40.9	33.7	24.1	16.9	14.5
62.5°	3155.1	1722.1	51.8	39.7	38.5	38.5	31.3	25.3	16.9	9.6	8.4
65°	2589.1	1342.7	39.7	27.7	27.7	27.7	24.1	18.1	10.8	4.8	2.4
67.5°	1625.7	781.6	32.5	21.7	20.5	20.5	16.9	12.0	6.0	1.2	0.0
70°	611.8	286.6	25.3	16.9	15.7	15.7	12.0	7.2	3.6	0.0	0.0
72°	210.7	109.6	20.5	12.0	12.0	10.8	8.4	6.0	2.4	0.0	0.0
72.5°	173.4	87.9	19.3	12.0	10.8	10.8	8.4	6.0	2.4	0.0	0.0
75°	62.6	36.1	13.2	8.4	7.2	7.2	6.0	3.6	1.2	0.0	0.0
77.5°	31.3	22.9	10.8	7.2	6.0	3.6	3.6	2.4	1.2	0.0	0.0
80°	19.3	14.5	6.0	4.8	3.6	2.4	1.2	1.2	0.0	0.0	0.0
82.5°	13.2	8.4	3.6	3.6	2.4	1.2	0.0	0.0	0.0	0.0	0.0
85°	8.4	3.6	2.4	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	2.4	1.2	0.0	0.0	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)