

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: McGRAW-EDISON

Report Number: P595204

Luminaire Tested: **IST-PA1D-730-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1D-730-U-T3
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7499 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

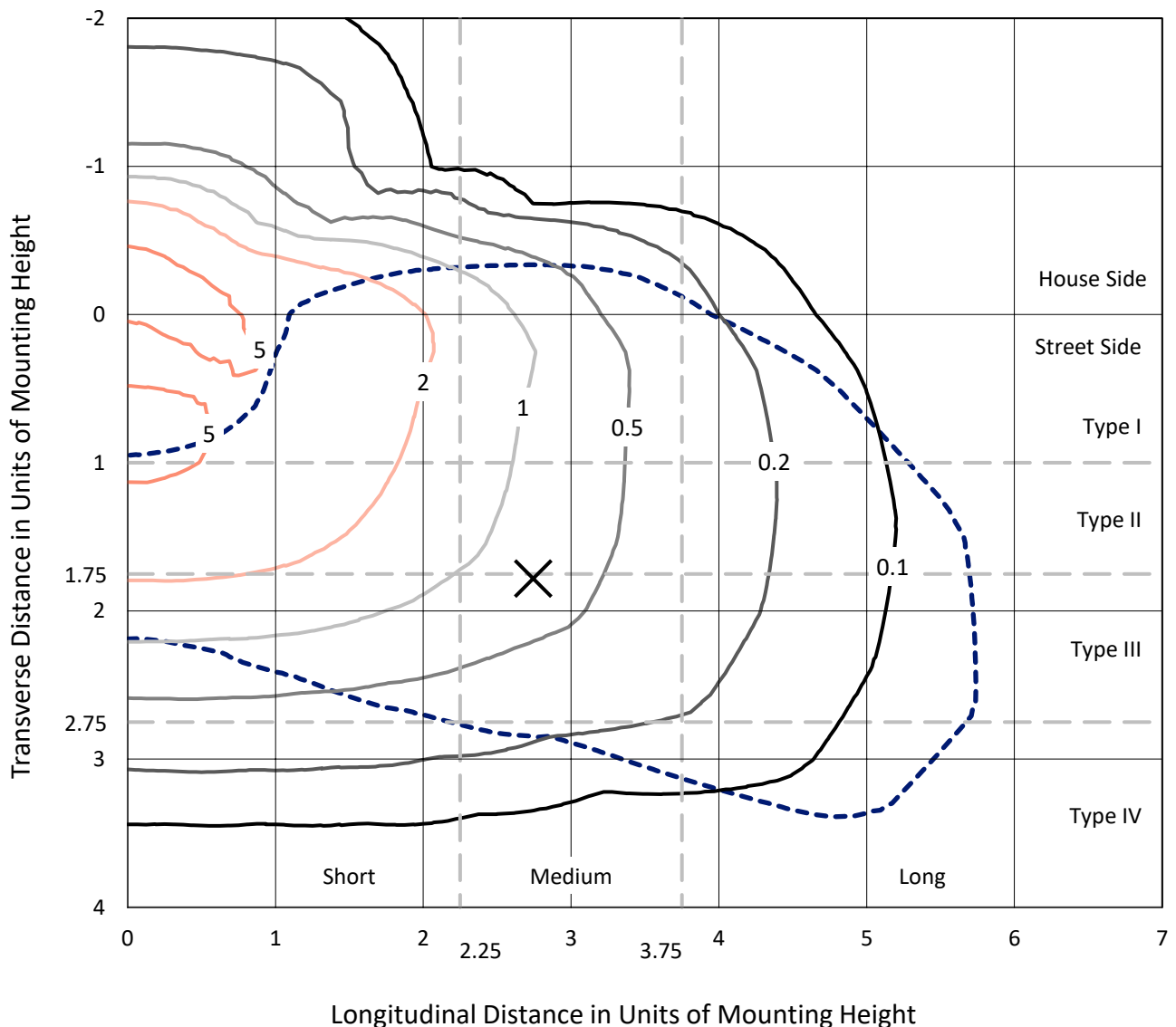
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

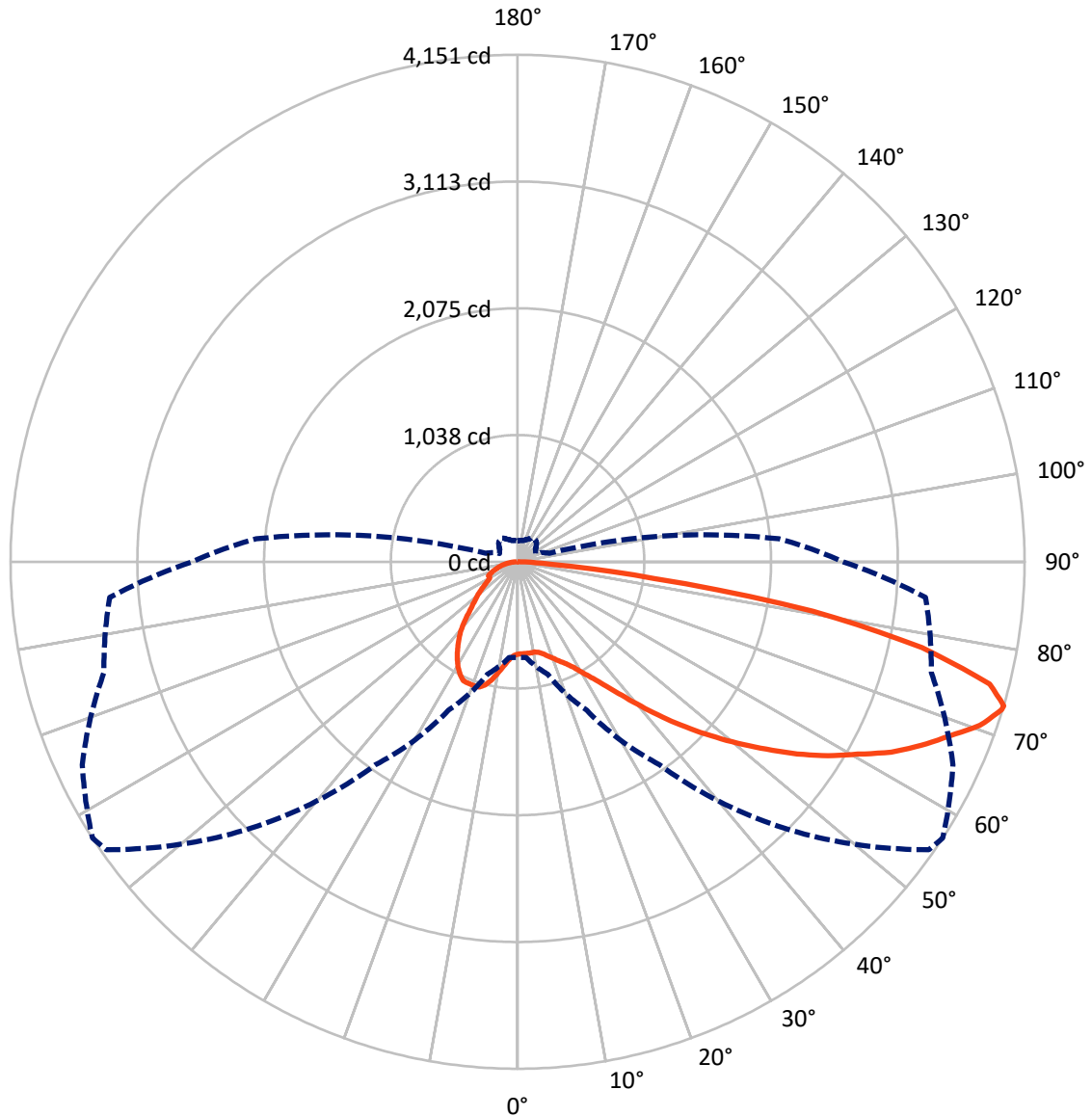
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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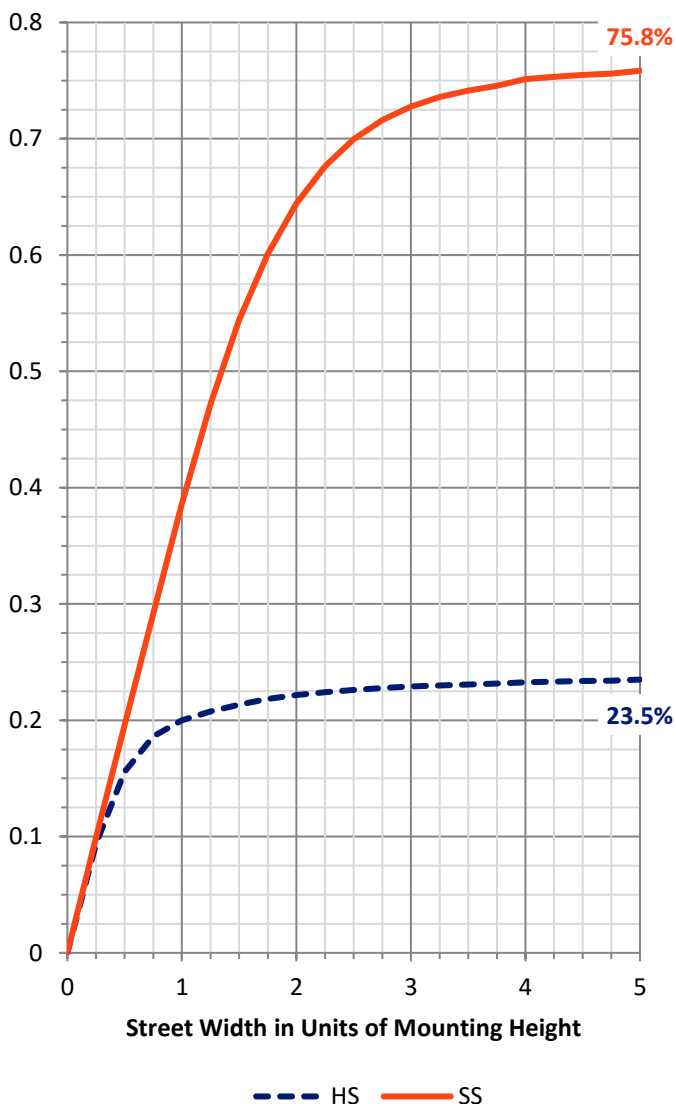
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1789.0	0.0	1789.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5710.0	0.0	5710.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	7499.0	0.0	7499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	1.0
10°-20°	248.1	3.3
20°-30°	458.0	6.1
30°-40°	707.2	9.4
40°-50°	1064.5	14.2
50°-60°	1558.0	20.8
60°-70°	1839.8	24.5
70°-80°	1317.2	17.6
80°-90°	230.8	3.1
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°	7499.0	100.0
0°-180°	7499.0	100.0

Coefficient of Utilization

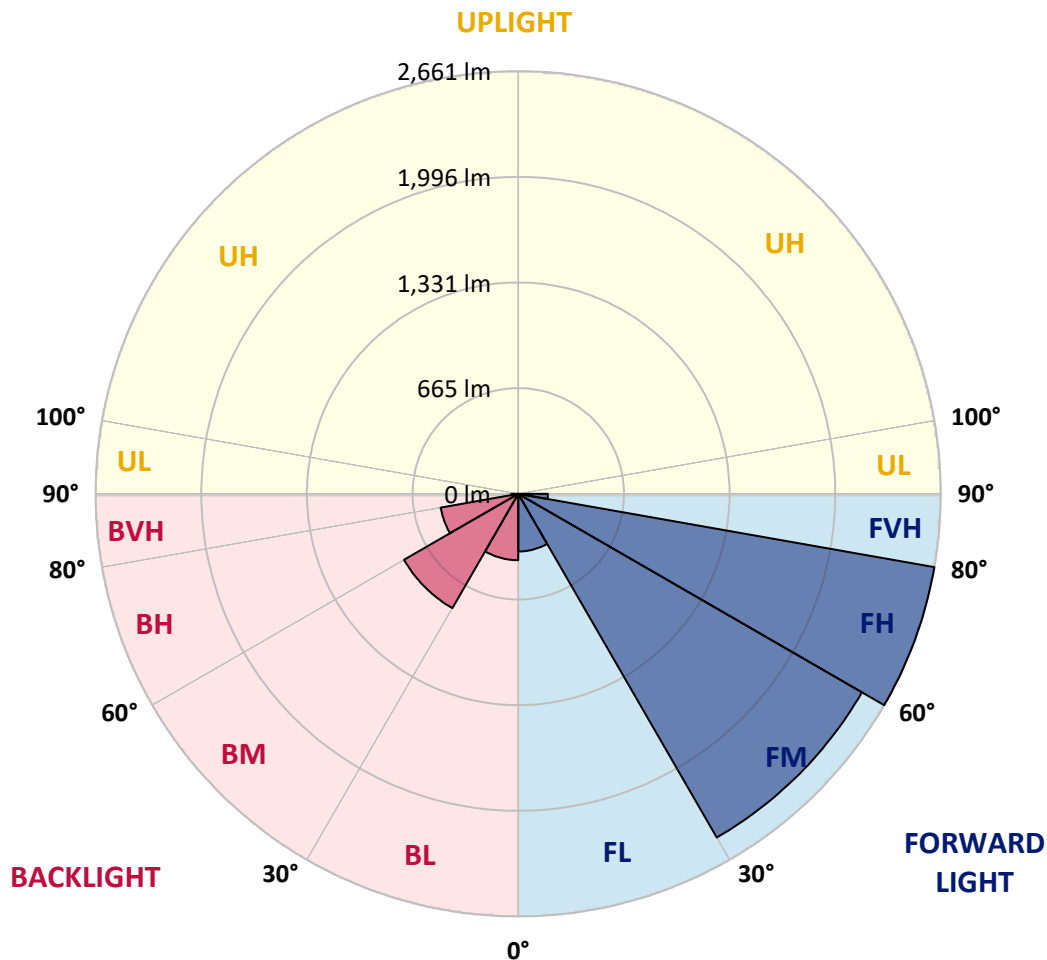


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	4.8			
FM (30°-60°)	2498.9	33.3			
FH (60°-80°)	2661.0	35.5			G2/5000
FVH (80°-90°)	186.7	2.5			G2/225
BL (0°-30°)	418.1	5.6	B1/500		
BM (30°-60°)	830.8	11.1	B1/1000		
BH (60°-80°)	496.0	6.6	B1/500		G1/500
BVH (80°-90°)	44.1	0.6			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5
2.5°	746.3	750.0	748.2	750.0	755.5	751.9	751.9	753.7	755.5	753.7	757.4
5°	715.1	716.9	720.6	728.0	740.8	744.5	753.7	753.7	757.4	761.0	766.6
7.5°	663.6	667.3	674.6	682.0	704.1	726.1	750.0	753.7	766.6	775.7	779.4
10°	654.4	658.1	659.9	671.0	693.0	715.1	744.5	751.9	775.7	790.5	807.0
12.5°	645.2	648.9	654.4	669.1	696.7	720.6	751.9	759.2	788.6	818.0	838.2
15°	652.6	654.4	659.9	674.6	702.2	735.3	775.7	781.3	814.4	851.1	882.4
17.5°	671.0	672.8	671.0	683.8	709.6	748.2	803.3	812.5	853.0	889.7	921.0
20°	713.2	715.1	707.7	707.7	726.1	764.7	832.7	845.6	895.2	935.7	966.9
22.5°	805.2	801.5	783.1	759.2	759.2	790.5	865.8	884.2	946.7	979.8	1007.4
25°	935.7	935.7	906.3	862.1	832.7	829.1	904.4	924.6	998.2	1038.6	1055.2
27.5°	1093.8	1095.6	1047.8	989.0	932.0	904.4	959.6	979.8	1062.5	1104.8	1110.3
30°	1233.5	1235.3	1187.5	1132.4	1062.5	1001.9	1033.1	1055.2	1150.8	1183.8	1165.5
32.5°	1373.2	1375.0	1341.9	1266.6	1193.0	1117.7	1126.9	1139.7	1237.2	1268.4	1239.0
35°	1494.5	1500.0	1466.9	1410.0	1332.7	1264.7	1248.2	1250.0	1338.3	1358.5	1319.9
37.5°	1617.7	1617.7	1597.5	1544.1	1478.0	1402.6	1380.5	1386.1	1465.1	1485.3	1430.2
40°	1773.9	1781.3	1770.3	1704.1	1628.7	1566.2	1544.1	1551.5	1637.9	1626.9	1568.0
42.5°	1963.3	1979.8	1961.4	1889.7	1808.9	1739.0	1739.0	1739.0	1812.5	1814.4	1726.1
45°	2205.9	2205.9	2187.5	2125.0	2018.4	1948.6	1924.7	1930.2	1994.5	2001.9	1898.9
47.5°	2408.1	2426.5	2406.3	2360.3	2275.8	2209.6	2134.2	2125.0	2178.3	2178.3	2090.1
50°	2571.7	2604.8	2588.3	2608.5	2547.8	2514.7	2360.3	2334.6	2353.0	2371.4	2273.9
52.5°	2707.8	2733.5	2728.0	2786.8	2816.2	2834.6	2590.1	2549.7	2564.4	2562.5	2474.3
55°	2717.0	2726.1	2808.9	2941.2	3057.0	3143.4	2821.7	2777.6	2762.9	2755.6	2687.5
57.5°	2663.6	2669.2	2834.6	2990.9	3242.7	3342.0	3040.5	2996.4	2976.2	2950.4	2922.8
60°	2535.0	2562.5	2779.5	3020.3	3353.0	3496.4	3244.5	3198.6	3183.9	3128.7	3191.2
62.5°	2371.4	2384.2	2601.1	2959.6	3367.7	3562.6	3459.6	3432.0	3386.1	3307.0	3430.2
65°	2139.7	2137.9	2329.1	2781.3	3292.3	3595.6	3641.6	3626.9	3569.9	3433.9	3643.4
67.5°	1757.4	1799.7	1987.2	2465.1	3110.3	3628.7	3827.3	3808.9	3718.8	3547.9	3744.5
70°	1340.1	1365.8	1579.1	1990.8	2748.2	3538.7	4009.3	4014.8	3851.2	3571.8	3700.4
72.5°	854.8	898.9	1068.0	1450.4	2200.4	3204.1	4117.7	4143.5	3924.7	3538.7	3426.5
73°	783.1	786.8	952.2	1341.9	2029.4	3084.6	4110.4	4150.8	3932.1	3505.6	3351.2
75°	466.9	487.1	586.4	891.6	1448.6	2478.0	3911.8	3992.7	3893.4	3358.5	2937.5
77.5°	218.8	233.5	288.6	470.6	788.6	1490.8	3288.7	3384.2	3450.4	2939.4	2239.0
80°	115.8	117.6	141.5	237.1	422.8	614.0	2292.3	2450.4	2544.2	2213.3	1505.5
82.5°	97.4	97.4	110.3	152.6	270.2	239.0	944.9	1125.0	1378.7	1090.1	591.9
85°	79.0	80.9	110.3	114.0	193.0	123.2	226.1	283.1	534.9	481.6	66.2
87.5°	25.7	29.4	62.5	80.9	102.9	47.8	57.0	62.5	62.5	91.9	22.1
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°	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5	755.5
2.5°	759.2	759.2	761.0	762.9	766.6	766.6	770.2	772.1	775.7	777.6	772.1
5°	766.6	770.2	773.9	784.9	797.8	808.8	819.9	829.1	838.2	843.8	841.9
7.5°	786.8	792.3	807.0	827.2	853.0	869.5	886.0	902.6	909.9	913.6	913.6
10°	814.4	825.4	853.0	886.0	915.5	941.2	954.1	965.1	968.8	972.4	968.8
12.5°	853.0	867.7	909.9	952.2	985.3	998.2	996.3	981.6	961.4	957.7	954.1
15°	902.6	921.0	968.8	1018.4	1044.1	1027.6	985.3	970.6	966.9	978.0	974.3
17.5°	944.9	966.9	1025.8	1077.2	1071.7	1014.7	1001.9	1009.2	1005.5	1007.4	1007.4
20°	985.3	1016.6	1079.1	1114.0	1066.2	1029.4	1018.4	1009.2	998.2	1001.9	998.2
22.5°	1036.8	1058.8	1130.5	1132.4	1058.8	1029.4	1005.5	987.1	983.5	985.3	987.1
25°	1077.2	1112.2	1174.7	1119.5	1058.8	1000.0	966.9	963.3	965.1	976.1	972.4
27.5°	1132.4	1167.3	1209.6	1112.2	1014.7	952.2	939.4	937.5	924.6	928.3	928.3
30°	1183.8	1226.1	1228.0	1112.2	959.6	911.8	893.4	860.3	832.7	838.2	836.4
32.5°	1253.7	1290.5	1231.6	1068.0	897.1	858.5	808.8	757.4	744.5	751.9	753.7
35°	1334.6	1364.0	1235.3	994.5	834.6	783.1	693.0	663.6	661.8	667.3	672.8
37.5°	1441.2	1457.7	1262.9	909.9	773.9	665.5	595.6	588.2	571.7	560.7	562.5
40°	1571.7	1551.5	1316.2	834.6	702.2	558.8	529.4	509.2	477.9	446.7	452.2
42.5°	1716.9	1660.0	1332.7	773.9	604.8	492.7	465.1	433.8	395.2	362.1	360.3
45°	1873.2	1781.3	1318.0	726.1	507.4	443.0	413.6	376.8	330.9	303.3	303.3
47.5°	2058.9	1897.1	1272.1	687.5	439.3	398.9	362.1	325.4	294.1	268.4	268.4
50°	2262.9	2031.3	1239.0	619.5	391.6	356.6	319.9	290.4	266.5	246.3	246.3
52.5°	2478.0	2158.1	1211.4	520.2	349.3	318.0	292.3	268.4	248.2	222.4	218.8
55°	2696.7	2279.5	1224.3	424.6	310.7	290.4	273.9	250.0	242.7	237.1	233.5
57.5°	2924.7	2411.8	1255.5	347.4	277.6	275.7	268.4	284.9	301.5	290.4	284.9
60°	3103.0	2514.7	1259.2	292.3	257.4	290.4	327.2	332.7	288.6	262.9	261.0
62.5°	3244.5	2612.2	1172.8	253.7	262.9	341.9	349.3	294.1	250.0	239.0	239.0
65°	3318.1	2647.1	943.0	231.6	273.9	327.2	316.2	264.7	233.5	231.6	231.6
67.5°	3281.3	2619.5	659.9	207.7	242.7	283.1	283.1	242.7	215.1	224.3	220.6
70°	3104.8	2483.5	435.7	187.5	213.2	255.5	262.9	226.1	200.4	205.9	200.4
72.5°	2737.2	2240.8	286.8	165.4	183.8	226.1	244.5	207.7	183.8	182.0	176.5
73°	2665.5	2148.9	270.2	161.8	178.3	218.8	239.0	204.0	180.2	174.6	171.0
75°	2261.1	1792.3	204.0	145.2	158.1	196.7	222.4	191.2	165.4	158.1	154.4
77.5°	1647.1	1242.7	152.6	123.2	132.4	171.0	196.7	174.6	147.1	137.9	136.0
80°	1027.6	676.5	114.0	99.3	104.8	143.4	172.8	156.3	126.8	115.8	114.0
82.5°	402.6	220.6	79.0	73.5	77.2	108.5	145.2	136.0	106.6	97.4	91.9
85°	66.2	75.4	51.5	49.6	49.6	77.2	110.3	104.8	71.7	62.5	55.1
87.5°	18.4	34.9	20.2	18.4	18.4	33.1	60.7	47.8	29.4	23.9	22.1
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)