

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: P594790

Luminaire Tested: **ISS-PA1E-730-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594790
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: ISS-PA1E-730-U-T3
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9530 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

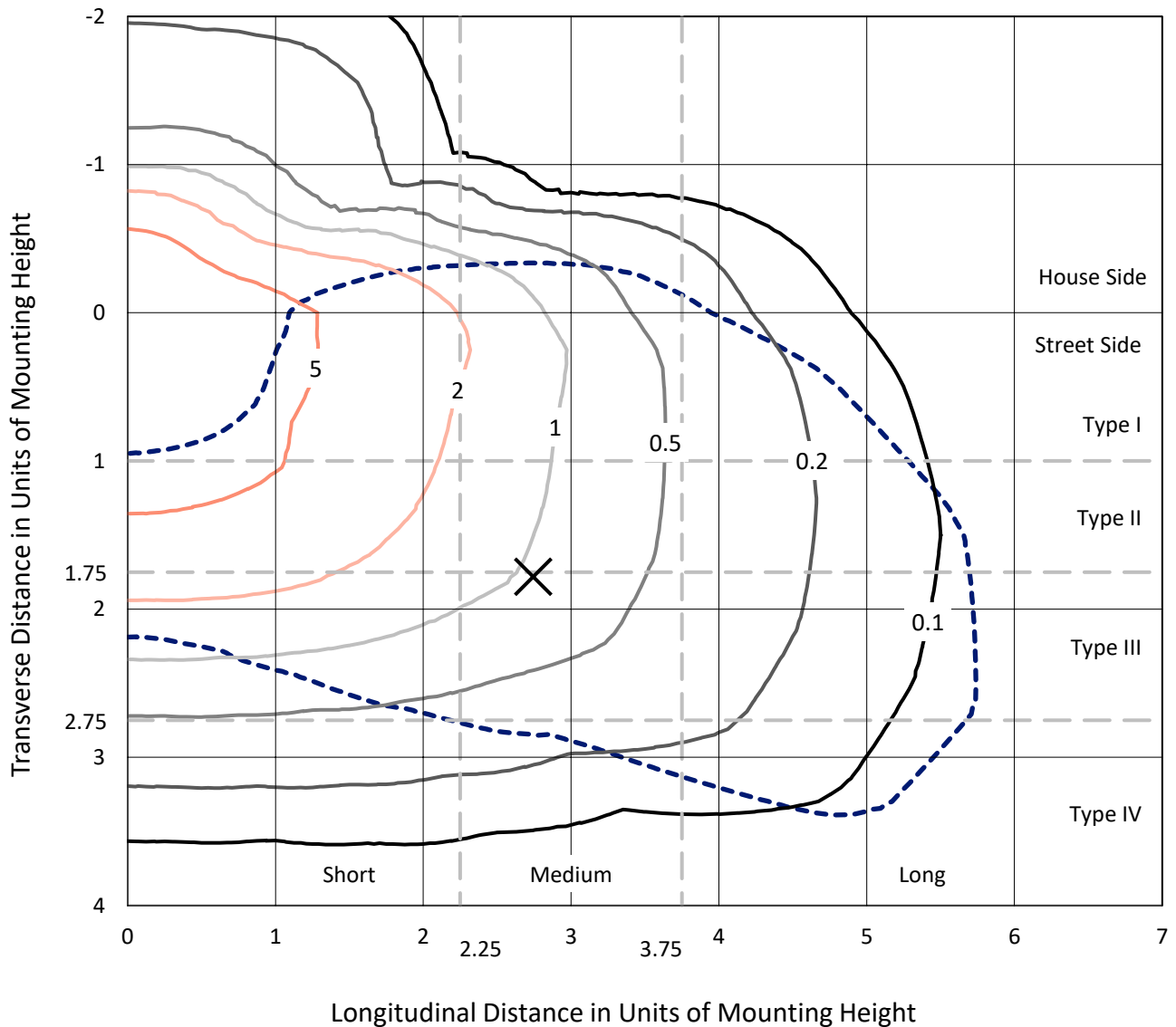
Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

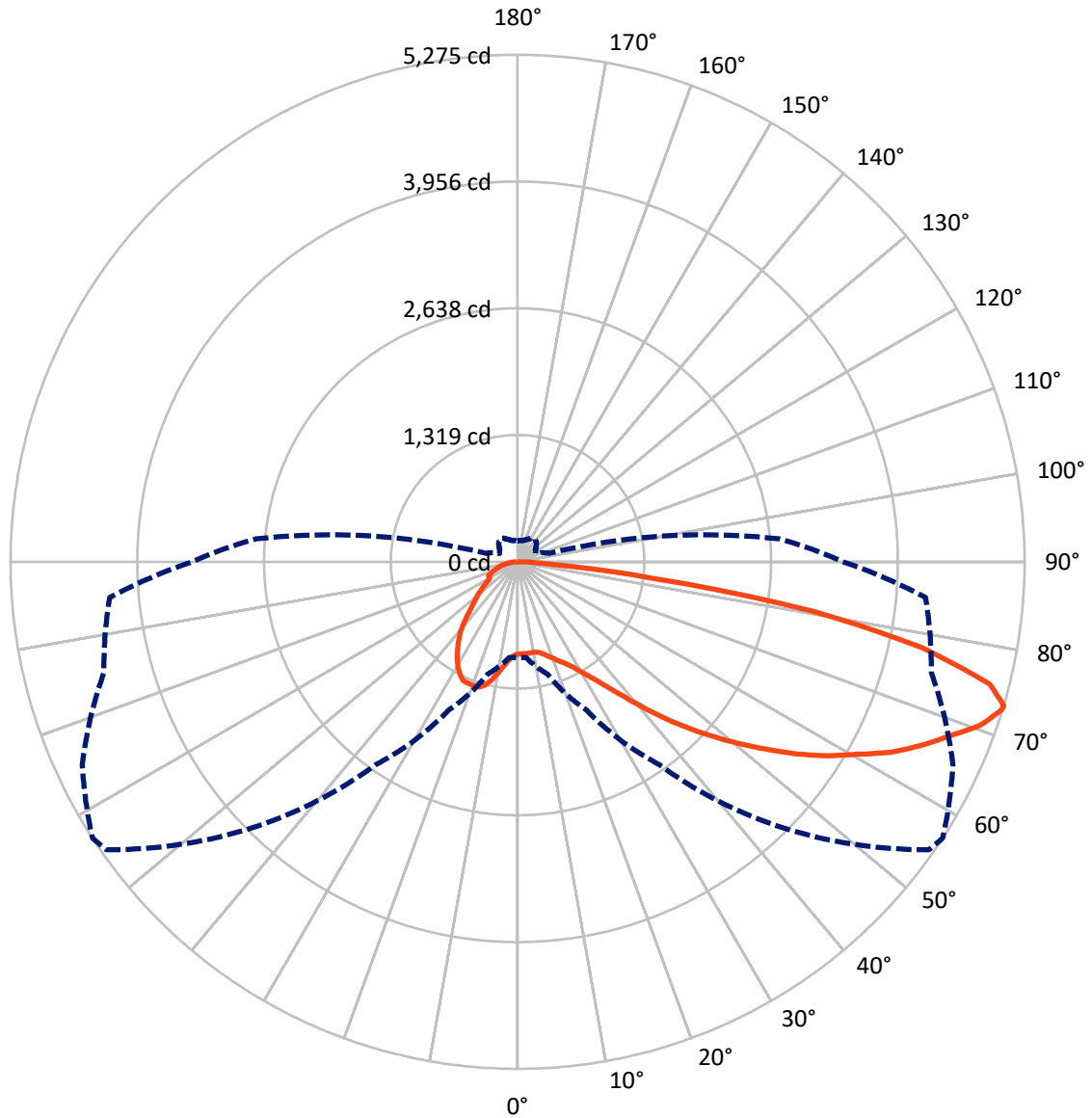
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 8.2 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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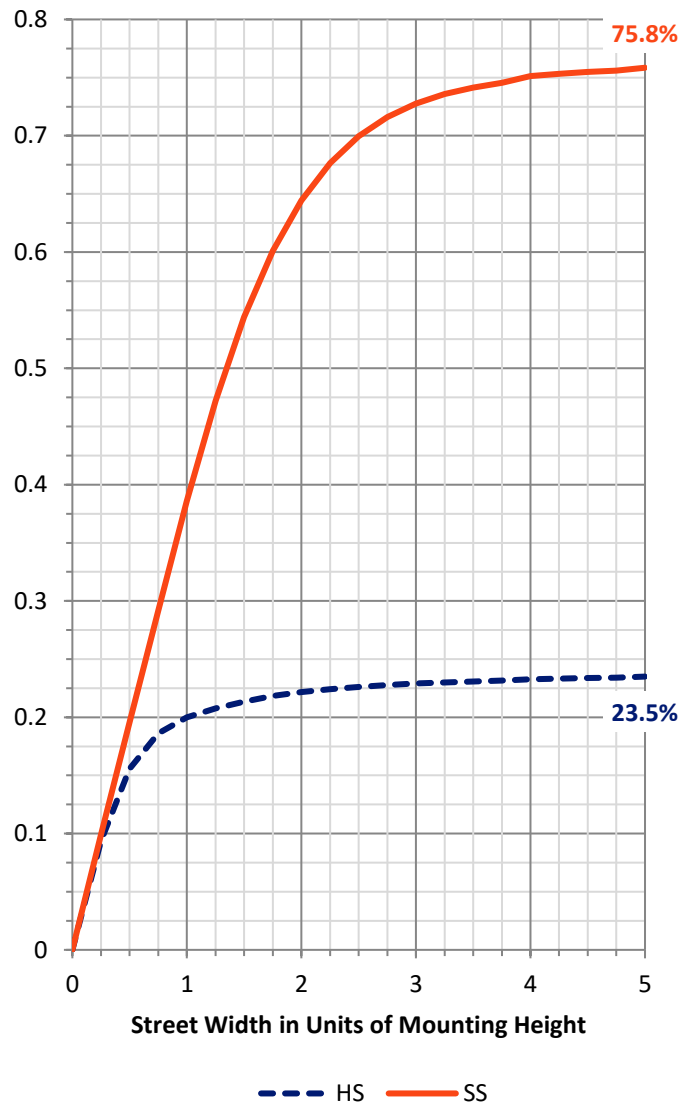
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2273.5	0.0	2273.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7256.5	0.0	7256.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	9530.0	0.0	9530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	1.0
10°-20°	315.3	3.3
20°-30°	582.0	6.1
30°-40°	898.7	9.4
40°-50°	1352.8	14.2
50°-60°	1979.9	20.8
60°-70°	2338.1	24.5
70°-80°	1674.0	17.6
80°-90°	293.3	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°	9530.0	100.0
0°-180°	9530.0	100.0

Coefficient of Utilization

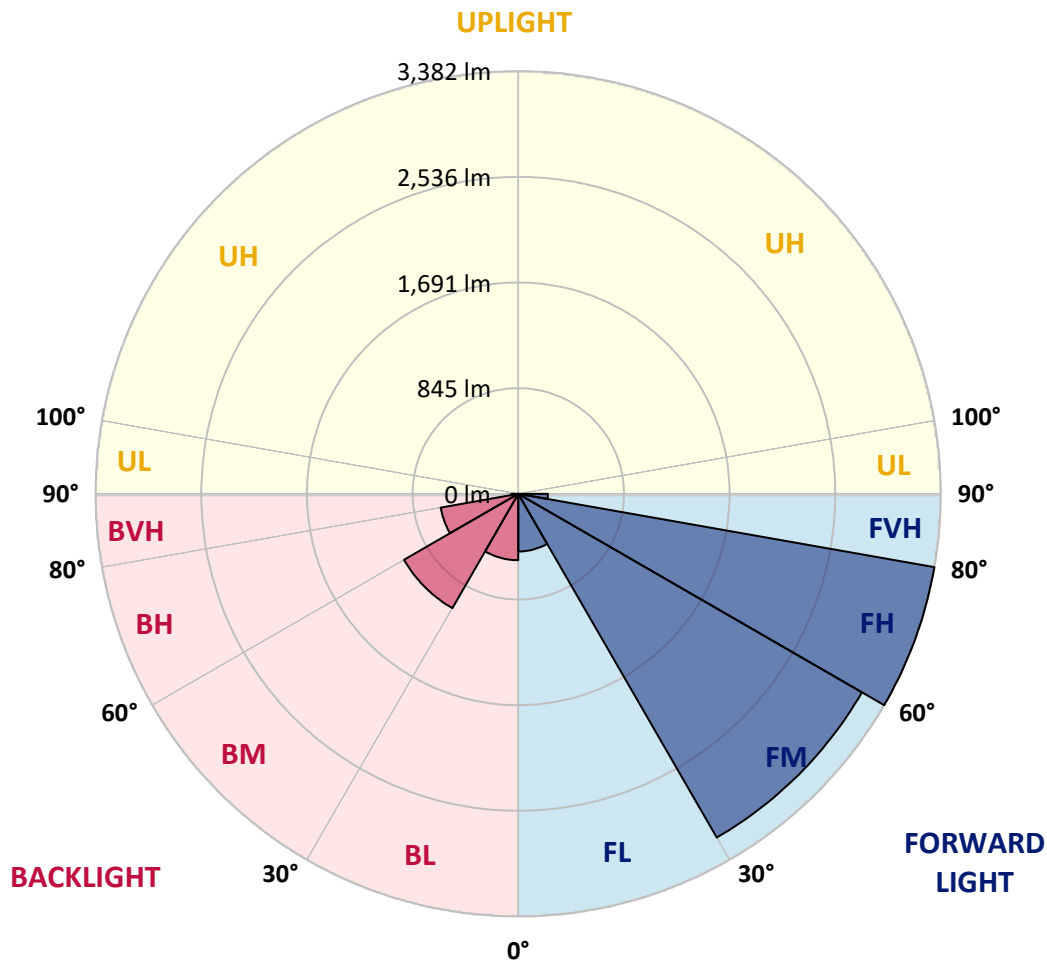


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.8	4.8			
FM (30°-60°)	3175.7	33.3			
FH (60°-80°)	3381.7	35.5			G2/5000
FVH (80°-90°)	237.3	2.5			G3/500
BL (0°-30°)	531.3	5.6	B2/1000		
BM (30°-60°)	1055.8	11.1	B2/2500		
BH (60°-80°)	630.4	6.6	B2/1000		G2/1000
BVH (80°-90°)	56.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2
2.5°	948.5	953.1	950.8	953.1	960.2	955.5	955.5	957.8	960.2	957.8	962.5
5°	908.8	911.1	915.8	925.1	941.5	946.1	957.8	957.8	962.5	967.2	974.2
7.5°	843.3	848.0	857.4	866.7	894.7	922.8	953.1	957.8	974.2	985.8	990.5
10°	831.7	836.3	838.7	852.7	880.7	908.8	946.1	955.5	985.8	1004.5	1025.6
12.5°	820.0	824.7	831.7	850.4	885.4	915.8	955.5	964.8	1002.2	1039.6	1065.3
15°	829.3	831.7	838.7	857.4	892.4	934.5	985.8	992.9	1034.9	1081.6	1121.3
17.5°	852.7	855.0	852.7	869.0	901.7	950.8	1020.9	1032.6	1084.0	1130.7	1170.4
20°	906.4	908.8	899.4	899.4	922.8	971.8	1058.3	1074.6	1137.7	1189.1	1228.8
22.5°	1023.2	1018.6	995.2	964.8	964.8	1004.5	1100.3	1123.7	1203.1	1245.2	1280.2
25°	1189.1	1189.1	1151.7	1095.6	1058.3	1053.6	1149.4	1175.1	1268.5	1319.9	1340.9
27.5°	1390.0	1392.3	1331.6	1256.8	1184.4	1149.4	1219.5	1245.2	1350.3	1404.0	1411.0
30°	1567.5	1569.9	1509.1	1439.1	1350.3	1273.2	1312.9	1340.9	1462.4	1504.5	1481.1
32.5°	1745.1	1747.4	1705.4	1609.6	1516.2	1420.4	1432.1	1448.4	1572.2	1611.9	1574.6
35°	1899.3	1906.3	1864.2	1791.8	1693.7	1607.3	1586.2	1588.6	1700.7	1726.4	1677.3
37.5°	2055.8	2055.8	2030.1	1962.4	1878.3	1782.5	1754.4	1761.4	1861.9	1887.6	1817.5
40°	2254.4	2263.7	2249.7	2165.6	2069.8	1990.4	1962.4	1971.7	2081.5	2067.5	1992.7
42.5°	2495.0	2516.0	2492.7	2401.5	2298.8	2210.0	2210.0	2210.0	2303.4	2305.8	2193.6
45°	2803.4	2803.4	2780.0	2700.6	2565.1	2476.3	2445.9	2452.9	2534.7	2544.1	2413.2
47.5°	3060.3	3083.7	3058.0	2999.6	2892.1	2808.0	2712.3	2700.6	2768.3	2768.3	2656.2
50°	3268.3	3310.3	3289.3	3315.0	3237.9	3195.8	2999.6	2966.9	2990.3	3013.6	2889.8
52.5°	3441.1	3473.8	3466.8	3541.6	3579.0	3602.3	3291.6	3240.2	3258.9	3256.6	3144.4
55°	3452.8	3464.5	3569.6	3737.8	3885.0	3994.8	3586.0	3529.9	3511.2	3501.9	3415.4
57.5°	3385.1	3392.1	3602.3	3800.9	4120.9	4247.1	3864.0	3807.9	3782.2	3749.5	3714.5
60°	3221.5	3256.6	3532.2	3838.3	4261.1	4443.3	4123.3	4064.9	4046.2	3976.1	4055.5
62.5°	3013.6	3030.0	3305.6	3761.2	4279.8	4527.4	4396.6	4361.6	4303.2	4202.7	4359.2
65°	2719.3	2716.9	2959.9	3534.6	4184.0	4569.5	4627.9	4609.2	4536.8	4363.9	4630.2
67.5°	2233.3	2287.1	2525.4	3132.8	3952.7	4611.5	4863.8	4840.5	4726.0	4508.7	4758.7
70°	1703.0	1735.7	2006.7	2530.0	3492.5	4497.1	5095.1	5102.1	4894.2	4539.1	4702.6
72.5°	1086.3	1142.4	1357.3	1843.2	2796.4	4071.9	5232.9	5265.6	4987.6	4497.1	4354.6
73°	995.2	999.9	1210.1	1705.4	2579.1	3920.0	5223.6	5275.0	4997.0	4455.0	4258.8
75°	593.4	619.1	745.2	1133.0	1840.9	3149.1	4971.3	5074.1	4947.9	4268.1	3733.1
77.5°	278.0	296.7	366.8	598.1	1002.2	1894.6	4179.3	4300.8	4384.9	3735.5	2845.4
80°	147.2	149.5	179.9	301.4	537.3	780.3	2913.2	3114.1	3233.2	2812.7	1913.3
82.5°	123.8	123.8	140.2	193.9	343.4	303.7	1200.8	1429.7	1752.1	1385.3	752.2
85°	100.5	102.8	140.2	144.8	245.3	156.5	287.3	359.8	679.8	612.1	84.1
87.5°	32.7	37.4	79.4	102.8	130.8	60.7	72.4	79.4	79.4	116.8	28.0
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°	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2	960.2
2.5°	964.8	964.8	967.2	969.5	974.2	974.2	978.8	981.2	985.8	988.2	981.2
5°	974.2	978.8	983.5	997.5	1013.9	1027.9	1041.9	1053.6	1065.3	1072.3	1069.9
7.5°	999.9	1006.9	1025.6	1051.3	1084.0	1105.0	1126.0	1147.0	1156.4	1161.1	1161.1
10°	1034.9	1048.9	1084.0	1126.0	1163.4	1196.1	1212.5	1226.5	1231.1	1235.8	1231.1
12.5°	1084.0	1102.7	1156.4	1210.1	1252.2	1268.5	1266.2	1247.5	1221.8	1217.1	1212.5
15°	1147.0	1170.4	1231.1	1294.2	1326.9	1305.9	1252.2	1233.5	1228.8	1242.8	1238.2
17.5°	1200.8	1228.8	1303.6	1369.0	1362.0	1289.5	1273.2	1282.5	1277.9	1280.2	1280.2
20°	1252.2	1291.9	1371.3	1415.7	1355.0	1308.2	1294.2	1282.5	1268.5	1273.2	1268.5
22.5°	1317.6	1345.6	1436.7	1439.1	1345.6	1308.2	1277.9	1254.5	1249.8	1252.2	1254.5
25°	1369.0	1413.4	1492.8	1422.7	1345.6	1270.9	1228.8	1224.1	1226.5	1240.5	1235.8
27.5°	1439.1	1483.4	1537.2	1413.4	1289.5	1210.1	1193.8	1191.4	1175.1	1179.7	1179.7
30°	1504.5	1558.2	1560.5	1413.4	1219.5	1158.7	1135.4	1093.3	1058.3	1065.3	1062.9
32.5°	1593.2	1640.0	1565.2	1357.3	1140.0	1091.0	1027.9	962.5	946.1	955.5	957.8
35°	1696.0	1733.4	1569.9	1263.8	1060.6	995.2	880.7	843.3	841.0	848.0	855.0
37.5°	1831.5	1852.6	1604.9	1156.4	983.5	845.7	756.9	747.6	726.5	712.5	714.9
40°	1997.4	1971.7	1672.7	1060.6	892.4	710.2	672.8	647.1	607.4	567.7	574.7
42.5°	2182.0	2109.5	1693.7	983.5	768.6	626.1	591.0	551.3	502.3	460.2	457.9
45°	2380.5	2263.7	1675.0	922.8	644.8	563.0	525.6	478.9	420.5	385.5	385.5
47.5°	2616.5	2410.9	1616.6	873.7	558.3	506.9	460.2	413.5	373.8	341.1	341.1
50°	2875.8	2581.4	1574.6	787.3	497.6	453.2	406.5	369.1	338.7	313.0	313.0
52.5°	3149.1	2742.6	1539.5	661.1	443.9	404.2	371.4	341.1	315.4	282.7	278.0
55°	3427.1	2896.8	1555.9	539.6	394.8	369.1	348.1	317.7	308.4	301.4	296.7
57.5°	3716.8	3065.0	1595.6	441.5	352.8	350.4	341.1	362.1	383.1	369.1	362.1
60°	3943.4	3195.8	1600.3	371.4	327.1	369.1	415.8	422.8	366.8	334.1	331.7
62.5°	4123.3	3319.6	1490.5	322.4	334.1	434.5	443.9	373.8	317.7	303.7	303.7
65°	4216.7	3364.0	1198.4	294.4	348.1	415.8	401.8	336.4	296.7	294.4	294.4
67.5°	4170.0	3329.0	838.7	264.0	308.4	359.8	359.8	308.4	273.3	285.0	280.3
70°	3945.7	3156.1	553.7	238.3	271.0	324.7	334.1	287.3	254.6	261.6	254.6
72.5°	3478.5	2847.7	364.4	210.3	233.6	287.3	310.7	264.0	233.6	231.3	224.3
73°	3387.4	2730.9	343.4	205.6	226.6	278.0	303.7	259.3	228.9	221.9	217.3
75°	2873.4	2277.7	259.3	184.6	200.9	250.0	282.7	243.0	210.3	200.9	196.2
77.5°	2093.2	1579.2	193.9	156.5	168.2	217.3	250.0	221.9	186.9	175.2	172.9
80°	1305.9	859.7	144.8	126.2	133.2	182.2	219.6	198.6	161.2	147.2	144.8
82.5°	511.6	280.3	100.5	93.4	98.1	137.8	184.6	172.9	135.5	123.8	116.8
85°	84.1	95.8	65.4	63.1	63.1	98.1	140.2	133.2	91.1	79.4	70.1
87.5°	23.4	44.4	25.7	23.4	23.4	42.1	77.1	60.7	37.4	30.4	28.0
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)