

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: P594871

Luminaire Tested: **ISS-PA1F-730-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594871
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-PA1F-730-U-T3
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10444 lumens
Efficiency: N/A
Efficacy: 110.6 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

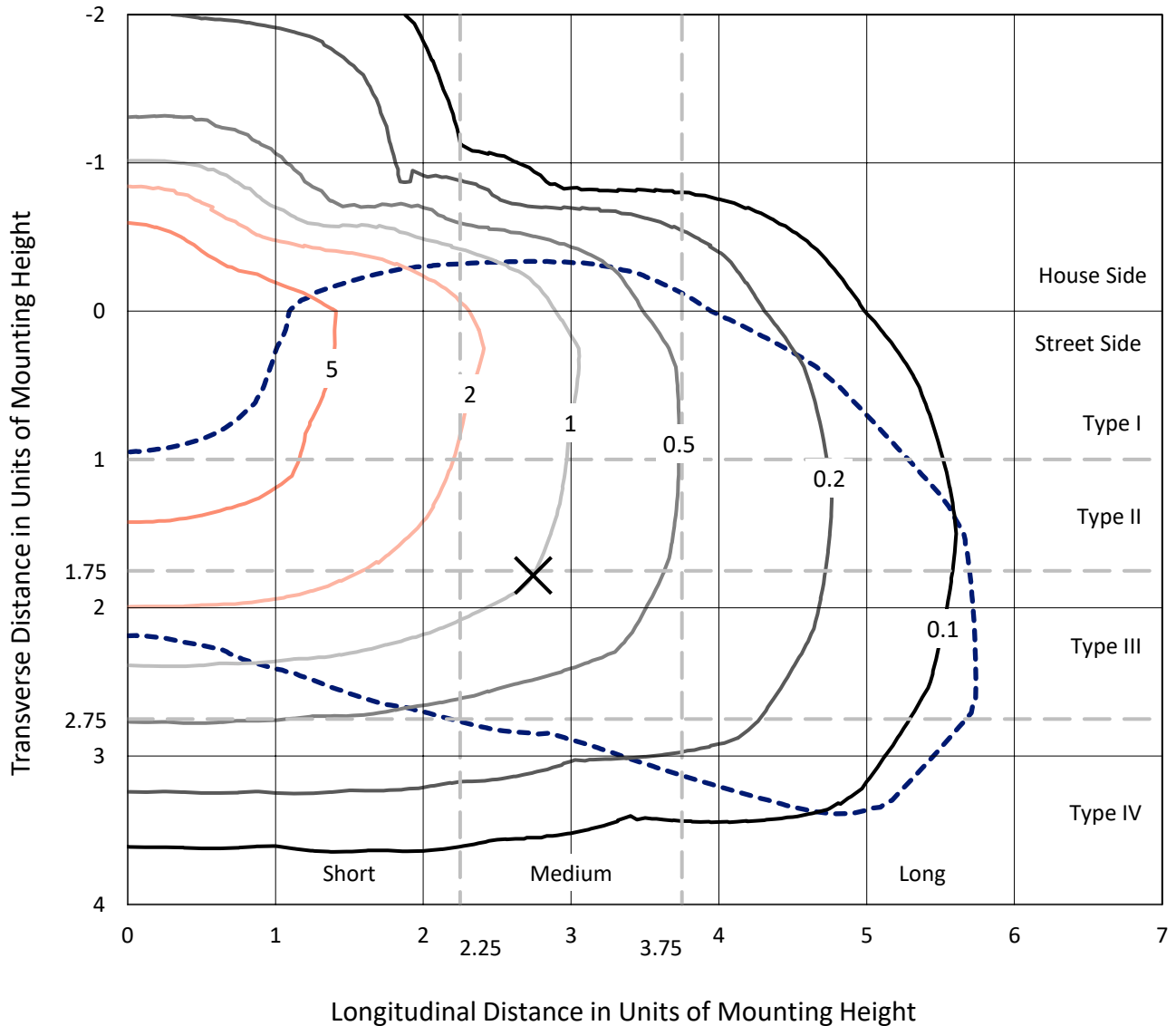
Input Watts (W): 94.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

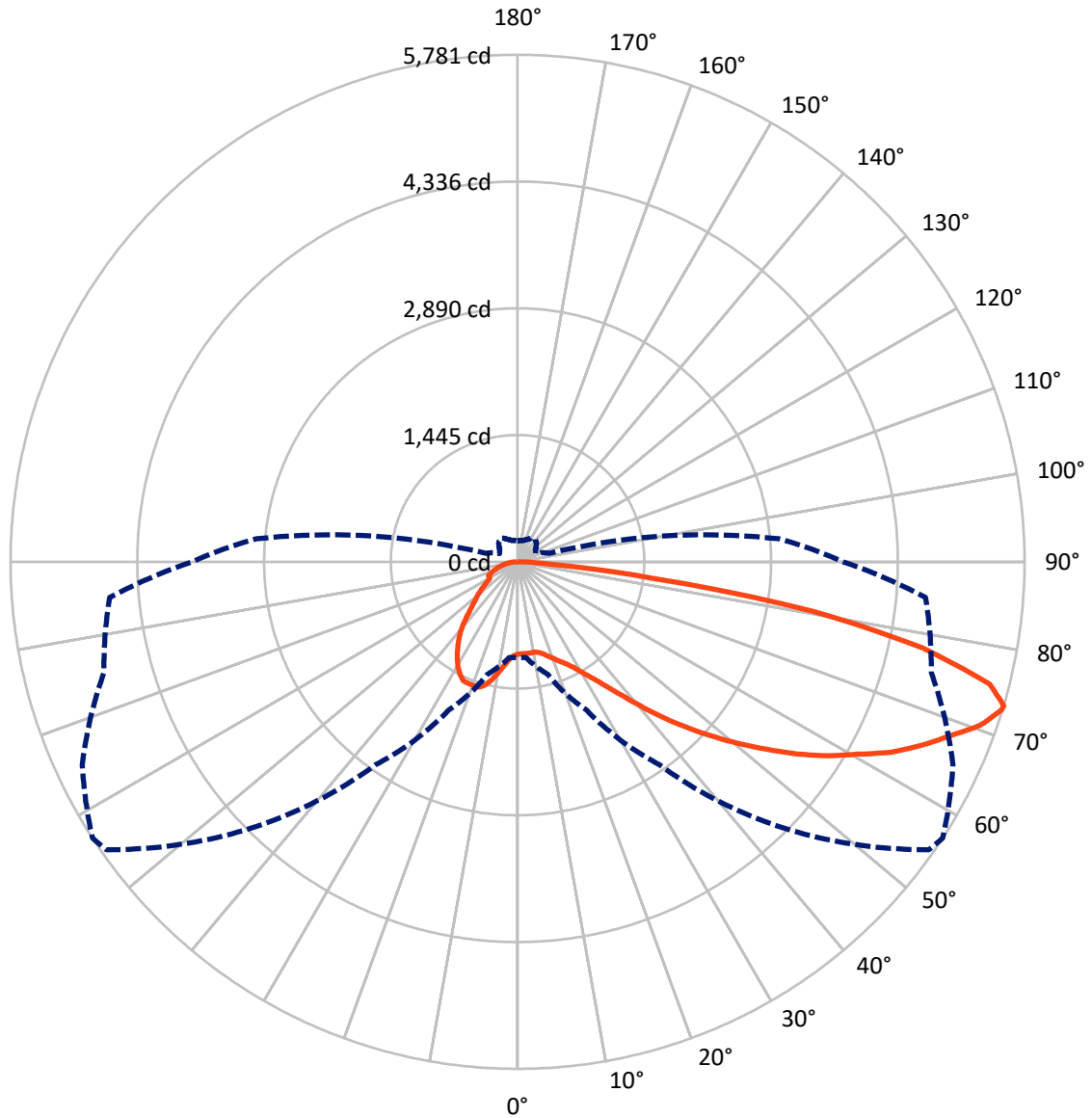
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 8.9 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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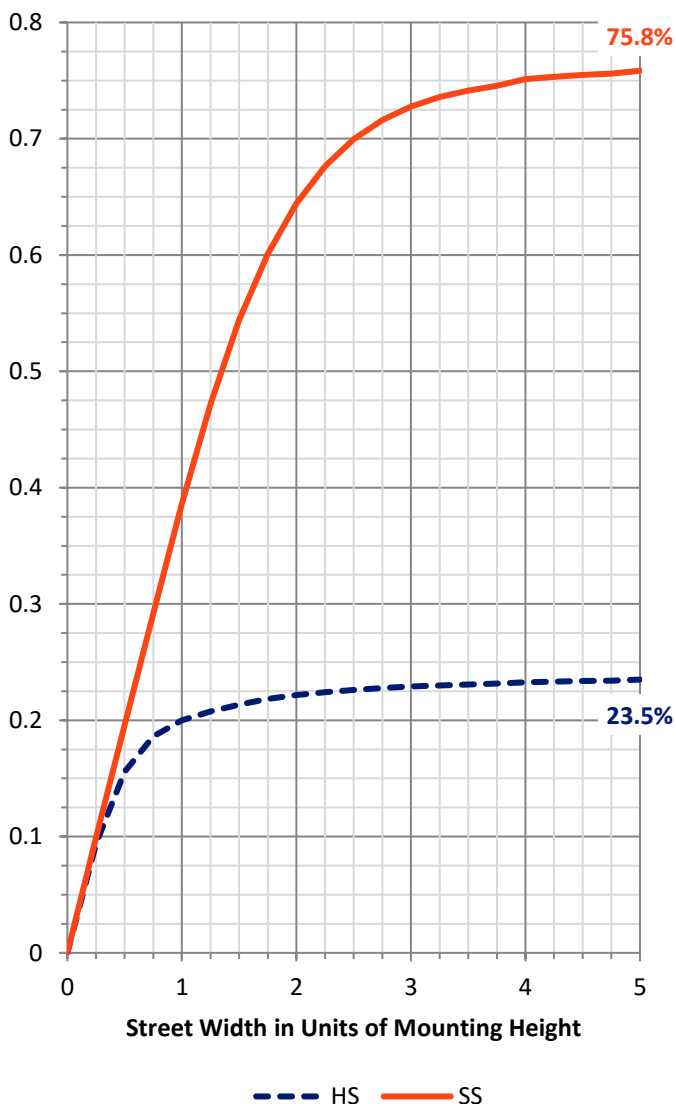
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2491.6	0.0	2491.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	7952.4	0.0	7952.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	10444.0	0.0	10444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	1.0
10°-20°	345.5	3.3
20°-30°	637.8	6.1
30°-40°	984.9	9.4
40°-50°	1482.5	14.2
50°-60°	2169.8	20.8
60°-70°	2562.4	24.5
70°-80°	1834.5	17.6
80°-90°	321.4	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°	10444.0	100.0
0°-180°	10444.0	100.0

Coefficient of Utilization

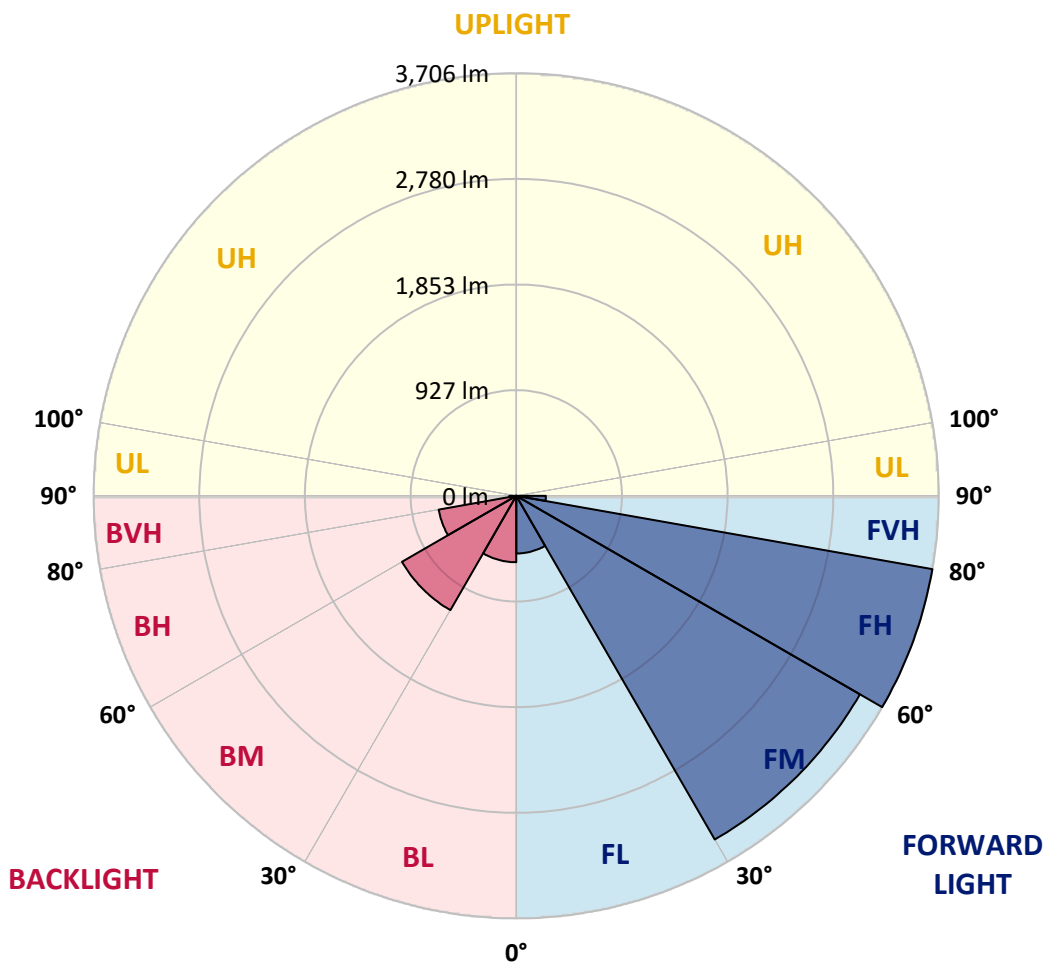


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	506.1	4.8			
FM (30°-60°)	3480.2	33.3			
FH (60°-80°)	3706.1	35.5			G2/5000
FVH (80°-90°)	260.1	2.5			G3/500
BL (0°-30°)	582.3	5.6	B2/1000		
BM (30°-60°)	1157.1	11.1	B2/2500		
BH (60°-80°)	690.8	6.6	B2/1000		G2/1000
BVH (80°-90°)	61.4	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°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	1039.4	1044.6	1042.0	1044.6	1052.2	1047.1	1047.1	1049.7	1052.2	1049.7	1054.8
5°	995.9	998.5	1003.6	1013.8	1031.8	1036.9	1049.7	1049.7	1054.8	1059.9	1067.6
7.5°	924.2	929.3	939.6	949.8	980.6	1011.3	1044.6	1049.7	1067.6	1080.4	1085.5
10°	911.4	916.5	919.1	934.5	965.2	995.9	1036.9	1047.1	1080.4	1100.9	1123.9
12.5°	898.6	903.7	911.4	931.9	970.3	1003.6	1047.1	1057.4	1098.3	1139.3	1167.4
15°	908.9	911.4	919.1	939.6	978.0	1024.1	1080.4	1088.1	1134.2	1185.4	1228.9
17.5°	934.5	937.0	934.5	952.4	988.2	1042.0	1118.8	1131.6	1187.9	1239.1	1282.7
20°	993.4	995.9	985.7	985.7	1011.3	1065.0	1159.8	1177.7	1246.8	1303.1	1346.7
22.5°	1121.4	1116.2	1090.6	1057.4	1057.4	1100.9	1205.8	1231.5	1318.5	1364.6	1403.0
25°	1303.1	1303.1	1262.2	1200.7	1159.8	1154.6	1259.6	1287.8	1390.2	1446.5	1469.5
27.5°	1523.3	1525.9	1459.3	1377.4	1298.0	1259.6	1336.4	1364.6	1479.8	1538.7	1546.4
30°	1717.9	1720.4	1653.9	1577.1	1479.8	1395.3	1438.8	1469.5	1602.7	1648.8	1623.2
32.5°	1912.5	1915.0	1868.9	1764.0	1661.6	1556.6	1569.4	1587.3	1723.0	1766.5	1725.6
35°	2081.4	2089.1	2043.0	1963.7	1856.1	1761.4	1738.4	1740.9	1863.8	1892.0	1838.2
37.5°	2253.0	2253.0	2224.8	2150.6	2058.4	1953.4	1922.7	1930.4	2040.5	2068.6	1991.8
40°	2470.6	2480.8	2465.5	2373.3	2268.3	2181.3	2150.6	2160.8	2281.1	2265.8	2183.8
42.5°	2734.3	2757.3	2731.7	2631.9	2519.2	2421.9	2421.9	2421.9	2524.3	2526.9	2404.0
45°	3072.2	3072.2	3046.6	2959.6	2811.1	2713.8	2680.5	2688.2	2777.8	2788.0	2644.7
47.5°	3353.8	3379.4	3351.3	3287.3	3169.5	3077.3	2972.4	2959.6	3033.8	3033.8	2910.9
50°	3581.7	3627.8	3604.7	3632.9	3548.4	3502.3	3287.3	3251.4	3277.0	3302.6	3167.0
52.5°	3771.2	3807.0	3799.3	3881.2	3922.2	3947.8	3607.3	3551.0	3571.5	3568.9	3446.0
55°	3784.0	3796.8	3912.0	4096.3	4257.6	4377.9	3929.9	3868.4	3848.0	3837.7	3743.0
57.5°	3709.7	3717.4	3947.8	4165.4	4516.2	4654.4	4234.6	4173.1	4144.9	4109.1	4070.7
60°	3530.5	3568.9	3871.0	4206.4	4669.8	4869.5	4518.7	4454.7	4434.2	4357.4	4444.5
62.5°	3302.6	3320.6	3622.7	4121.9	4690.3	4961.6	4818.3	4779.9	4715.9	4605.8	4777.3
65°	2980.1	2977.5	3243.8	3873.6	4585.3	5007.7	5071.7	5051.3	4971.9	4782.4	5074.3
67.5°	2447.5	2506.4	2767.6	3433.2	4331.8	5053.8	5330.3	5304.7	5179.3	4941.2	5215.1
70°	1866.4	1902.2	2199.2	2772.7	3827.5	4928.4	5583.8	5591.5	5363.6	4974.4	5153.7
72.5°	1190.5	1251.9	1487.5	2020.0	3064.5	4462.4	5734.8	5770.7	5466.0	4928.4	4772.2
73°	1090.6	1095.8	1326.2	1868.9	2826.4	4296.0	5724.6	5780.9	5476.2	4882.3	4667.2
75°	650.3	678.4	816.7	1241.7	2017.4	3451.1	5448.1	5560.7	5422.5	4677.5	4091.2
77.5°	304.7	325.1	401.9	655.4	1098.3	2076.3	4580.2	4713.3	4805.5	4093.7	3118.3
80°	161.3	163.9	197.1	330.3	588.8	855.1	3192.6	3412.7	3543.3	3082.5	2096.8
82.5°	135.7	135.7	153.6	212.5	376.3	332.8	1315.9	1566.8	1920.1	1518.2	824.4
85°	110.1	112.6	153.6	158.7	268.8	171.5	314.9	394.3	745.0	670.8	92.2
87.5°	35.8	41.0	87.0	112.6	143.4	66.6	79.4	87.0	87.0	128.0	30.7
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°	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2	1052.2
2.5°	1057.4	1057.4	1059.9	1062.5	1067.6	1067.6	1072.7	1075.3	1080.4	1083.0	1075.3
5°	1067.6	1072.7	1077.8	1093.2	1111.1	1126.5	1141.8	1154.6	1167.4	1175.1	1172.6
7.5°	1095.8	1103.4	1123.9	1152.1	1187.9	1211.0	1234.0	1257.1	1267.3	1272.4	1272.4
10°	1134.2	1149.5	1187.9	1234.0	1275.0	1310.8	1328.7	1344.1	1349.2	1354.3	1349.2
12.5°	1187.9	1208.4	1267.3	1326.2	1372.3	1390.2	1387.6	1367.1	1339.0	1333.9	1328.7
15°	1257.1	1282.7	1349.2	1418.3	1454.2	1431.1	1372.3	1351.8	1346.7	1362.0	1356.9
17.5°	1315.9	1346.7	1428.6	1500.3	1492.6	1413.2	1395.3	1405.5	1400.4	1403.0	1403.0
20°	1372.3	1415.8	1502.8	1551.5	1484.9	1433.7	1418.3	1405.5	1390.2	1395.3	1390.2
22.5°	1443.9	1474.7	1574.5	1577.1	1474.7	1433.7	1400.4	1374.8	1369.7	1372.3	1374.8
25°	1500.3	1548.9	1636.0	1559.2	1474.7	1392.7	1346.7	1341.5	1344.1	1359.5	1354.3
27.5°	1577.1	1625.7	1684.6	1548.9	1413.2	1326.2	1308.3	1305.7	1287.8	1292.9	1292.9
30°	1648.8	1707.6	1710.2	1548.9	1336.4	1269.9	1244.3	1198.2	1159.8	1167.4	1164.9
32.5°	1746.0	1797.3	1715.3	1487.5	1249.4	1195.6	1126.5	1054.8	1036.9	1047.1	1049.7
35°	1858.7	1899.7	1720.4	1385.1	1162.3	1090.6	965.2	924.2	921.7	929.3	937.0
37.5°	2007.2	2030.2	1758.8	1267.3	1077.8	926.8	829.5	819.3	796.2	780.9	783.4
40°	2189.0	2160.8	1833.1	1162.3	978.0	778.3	737.3	709.2	665.6	622.1	629.8
42.5°	2391.2	2311.9	1856.1	1077.8	842.3	686.1	647.7	604.2	550.4	504.4	501.8
45°	2608.8	2480.8	1835.7	1011.3	706.6	617.0	576.0	524.8	460.8	422.4	422.4
47.5°	2867.4	2642.1	1771.7	957.5	611.9	555.6	504.4	453.2	409.6	373.8	373.8
50°	3151.6	2829.0	1725.6	862.8	545.3	496.7	445.5	404.5	371.2	343.1	343.1
52.5°	3451.1	3005.7	1687.2	724.5	486.4	442.9	407.1	373.8	345.6	309.8	304.7
55°	3755.8	3174.6	1705.1	591.4	432.7	404.5	381.5	348.2	337.9	330.3	325.1
57.5°	4073.3	3359.0	1748.6	483.9	386.6	384.0	373.8	396.8	419.9	404.5	396.8
60°	4321.6	3502.3	1753.7	407.1	358.4	404.5	455.7	463.4	401.9	366.1	363.5
62.5°	4518.7	3638.0	1633.4	353.3	366.1	476.2	486.4	409.6	348.2	332.8	332.8
65°	4621.1	3686.7	1313.4	322.6	381.5	455.7	440.4	368.7	325.1	322.6	322.6
67.5°	4569.9	3648.3	919.1	289.3	337.9	394.3	394.3	337.9	299.5	312.3	307.2
70°	4324.2	3458.8	606.8	261.1	297.0	355.9	366.1	314.9	279.1	286.7	279.1
72.5°	3812.1	3120.9	399.4	230.4	256.0	314.9	340.5	289.3	256.0	253.5	245.8
73°	3712.3	2992.9	376.3	225.3	248.3	304.7	332.8	284.2	250.9	243.2	238.1
75°	3149.0	2496.2	284.2	202.3	220.2	273.9	309.8	266.3	230.4	220.2	215.1
77.5°	2293.9	1730.7	212.5	171.5	184.3	238.1	273.9	243.2	204.8	192.0	189.5
80°	1431.1	942.1	158.7	138.3	145.9	199.7	240.7	217.6	176.7	161.3	158.7
82.5°	560.7	307.2	110.1	102.4	107.5	151.1	202.3	189.5	148.5	135.7	128.0
85°	92.2	105.0	71.7	69.1	69.1	107.5	153.6	145.9	99.8	87.0	76.8
87.5°	25.6	48.6	28.2	25.6	25.6	46.1	84.5	66.6	41.0	33.3	30.7
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)