

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: P200582

Luminaire Tested: **GPC-AF-02-LED-E1-RW-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-RW-8030-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8371 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

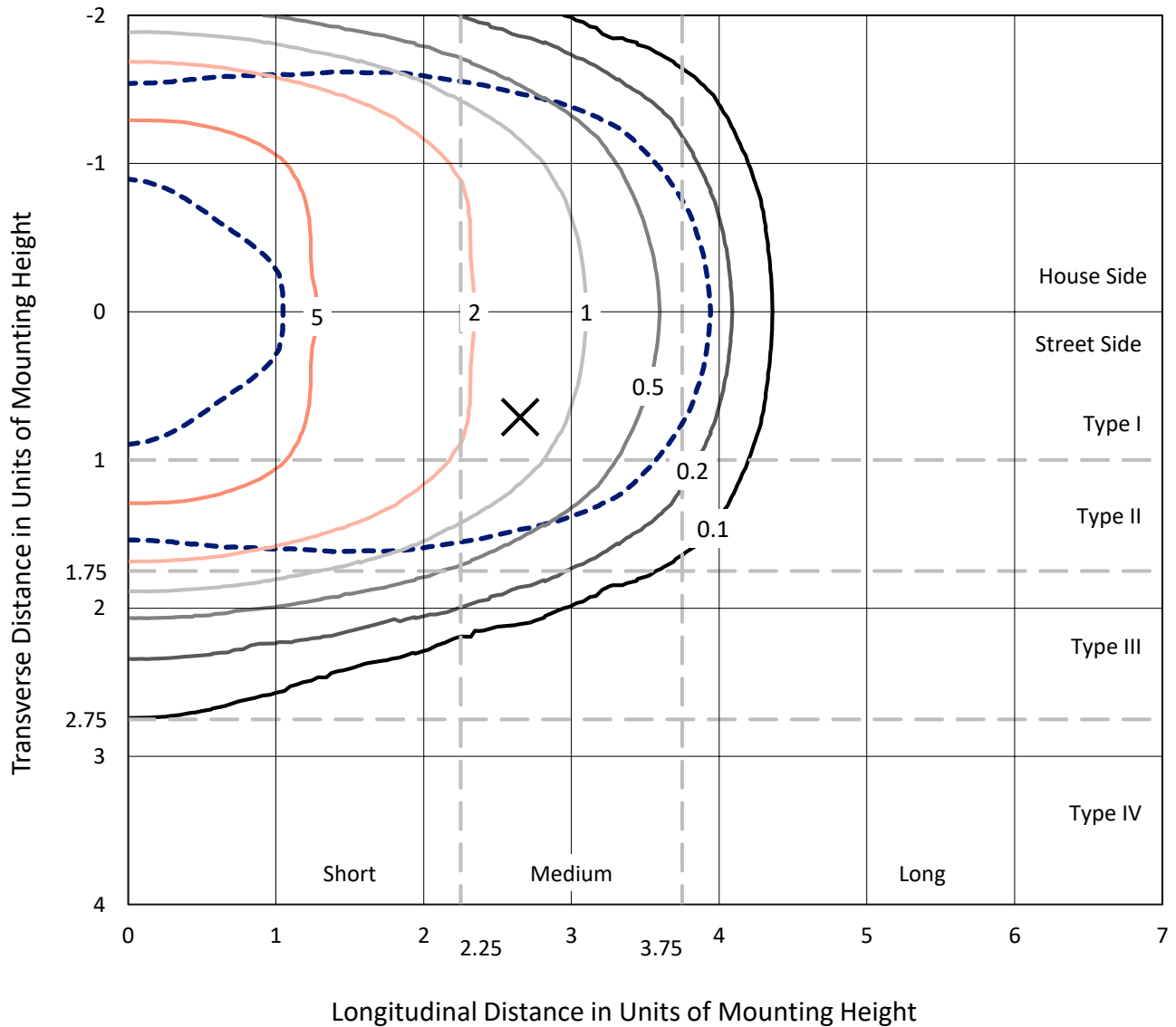
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

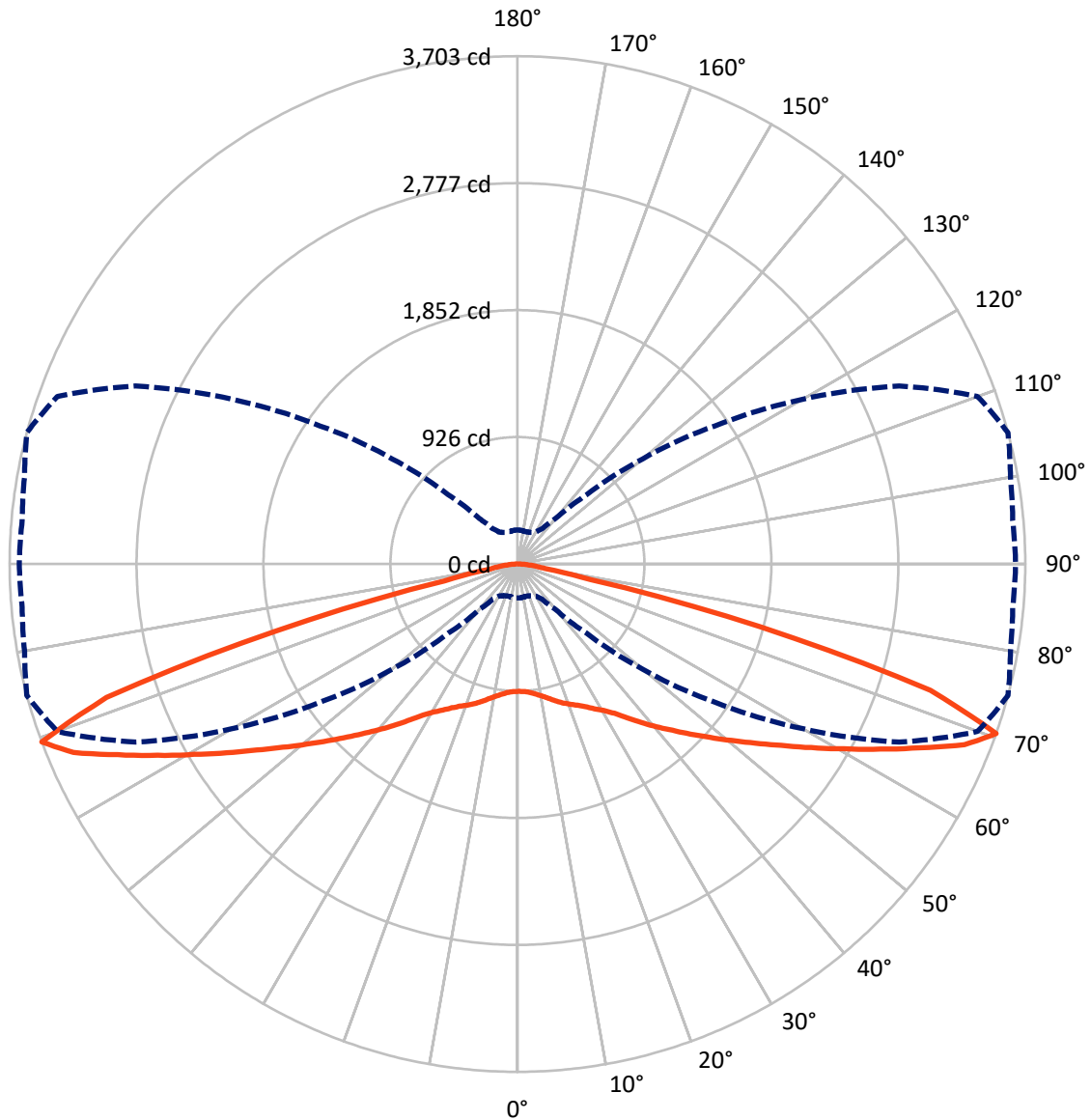
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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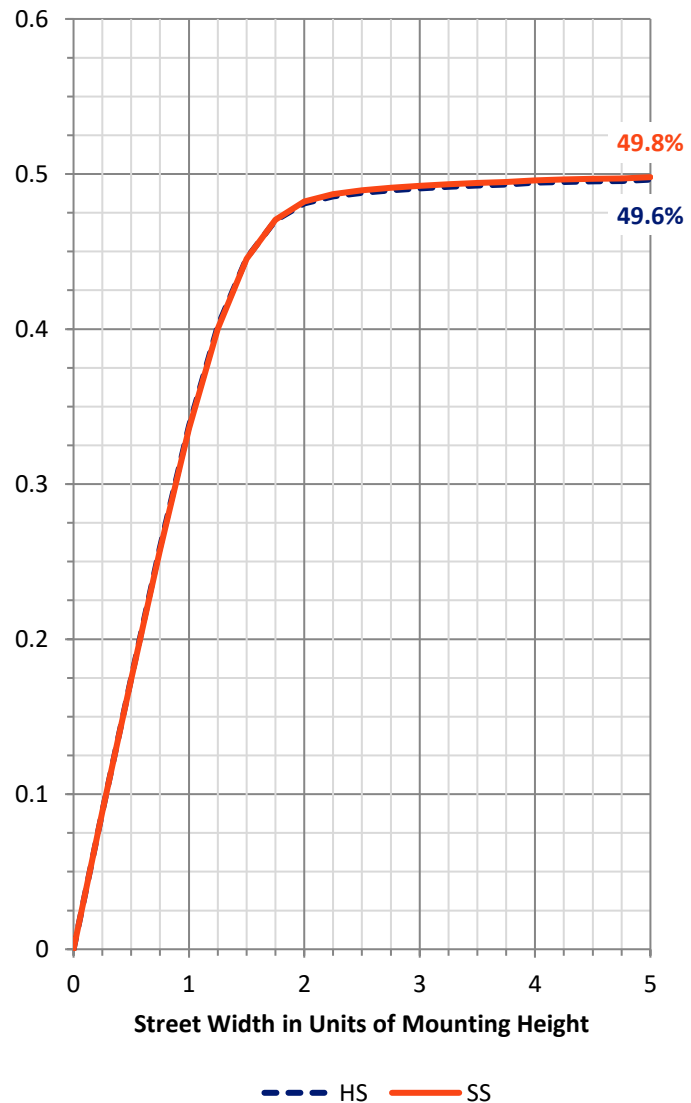
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4185.5	0.0	4185.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4185.5	0.0	4185.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8371.0	0.0	8371.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	1.1
10°-20°	276.7	3.3
20°-30°	520.8	6.2
30°-40°	922.2	11.0
40°-50°	1542.3	18.4
50°-60°	2149.2	25.7
60°-70°	1993.0	23.8
70°-80°	794.3	9.5
80°-90°	83.5	1.0
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°	8371.0	100.0
0°-180°	8371.0	100.0



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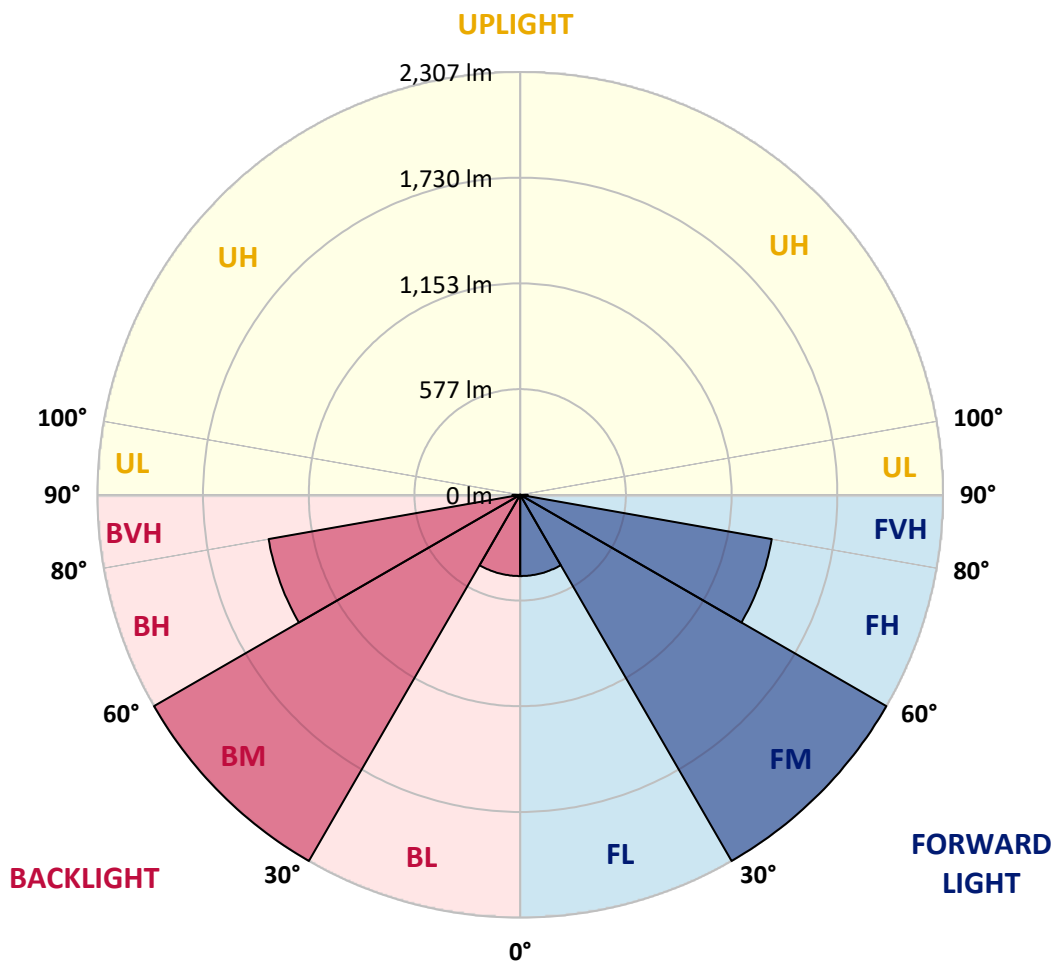
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	443.3	5.3			
FM	(30°-60°)	2306.8	27.6			
FH	(60°-80°)	1393.6	16.6			G1/1800
FVH	(80°-90°)	41.7	0.5			G1/100
BL	(0°-30°)	443.3	5.3	B1/500		
BM	(30°-60°)	2306.8	27.6	B2/2500		
BH	(60°-80°)	1393.6	16.6	B3/2500		G3/2500
BVH	(80°-90°)	41.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	927.0	926.2	927.0	926.6	927.4	927.4	928.1	929.7	929.7	930.9	930.5
5°	917.9	917.5	918.6	919.8	921.0	923.4	925.8	929.3	932.1	934.1	936.1
7.5°	900.1	900.1	901.6	904.4	907.2	912.3	917.9	925.0	932.1	938.0	943.2
10°	885.4	886.2	888.2	892.9	897.7	905.6	913.1	923.4	933.3	943.2	951.1
12.5°	876.7	877.9	881.5	888.6	896.5	907.2	918.6	931.7	942.8	954.7	962.6
15°	879.5	880.3	885.4	894.1	904.4	917.9	933.3	948.7	961.8	974.4	985.1
17.5°	894.9	896.1	902.0	911.9	922.6	938.4	955.0	972.5	988.7	1002.9	1016.0
20°	922.6	923.8	931.3	942.0	954.7	970.9	987.5	1005.7	1023.9	1038.9	1053.6
22.5°	961.8	963.7	970.9	981.6	995.8	1013.2	1033.0	1052.4	1069.8	1083.6	1096.7
25°	1013.2	1017.6	1024.3	1036.1	1051.2	1067.0	1088.4	1108.2	1124.8	1137.8	1147.3
27.5°	1086.0	1091.9	1097.1	1108.5	1123.2	1138.2	1159.6	1177.0	1192.8	1205.5	1212.6
30°	1182.5	1188.5	1193.6	1204.7	1218.1	1232.4	1252.6	1268.0	1277.9	1287.8	1287.4
32.5°	1299.6	1306.0	1307.9	1319.8	1333.7	1349.1	1367.3	1376.0	1383.9	1385.1	1378.0
35°	1430.6	1433.8	1441.7	1457.5	1473.3	1486.0	1503.4	1507.7	1507.7	1501.8	1486.0
37.5°	1574.2	1576.2	1587.3	1605.1	1621.3	1634.3	1646.2	1654.9	1650.6	1637.9	1611.4
40°	1731.7	1735.2	1751.0	1766.9	1785.1	1797.3	1810.0	1811.6	1807.2	1788.6	1752.6
42.5°	1882.0	1885.2	1901.0	1925.9	1949.7	1966.7	1978.5	1980.9	1967.1	1950.1	1905.3
45°	2011.4	2019.7	2040.3	2069.5	2103.9	2128.1	2144.3	2151.0	2138.8	2116.6	2064.8
47.5°	2113.8	2122.1	2151.4	2186.2	2229.0	2268.1	2295.0	2309.3	2306.1	2289.5	2232.9
50°	2189.0	2196.9	2228.6	2271.3	2321.1	2369.8	2415.7	2449.7	2461.6	2454.1	2402.3
52.5°	2197.7	2210.8	2248.0	2305.3	2370.2	2436.7	2502.0	2559.7	2598.9	2604.8	2566.4
55°	2076.3	2089.3	2140.7	2225.8	2322.3	2430.7	2535.2	2632.5	2709.7	2749.2	2729.0
57.5°	1789.8	1813.2	1867.4	1967.1	2109.1	2271.3	2437.9	2610.7	2767.8	2872.7	2892.8
60°	1371.6	1399.3	1453.9	1560.0	1718.2	1911.7	2134.0	2389.6	2666.9	2902.7	3043.6
62.5°	879.9	906.0	963.4	1055.5	1184.5	1394.2	1632.8	1936.2	2308.9	2681.2	3016.7
65°	452.2	466.4	496.5	552.3	652.8	809.5	1023.5	1326.1	1752.2	2211.6	2696.6
67.5°	286.4	289.2	295.9	303.8	329.6	383.8	483.5	672.2	1022.7	1501.8	2069.5
70°	247.7	247.7	244.5	243.3	246.5	254.0	269.4	313.3	431.6	712.9	1193.6
72.5°	226.7	224.3	218.8	214.4	213.6	213.6	216.8	223.5	242.5	290.4	467.2
75°	208.9	202.2	194.6	189.5	187.5	185.5	185.2	186.3	190.3	197.8	223.1
77.5°	187.1	178.4	169.7	164.6	162.2	159.4	157.1	154.3	152.3	154.7	165.8
80°	161.0	151.1	144.4	141.2	138.9	134.9	129.8	125.0	120.7	119.9	126.6
82.5°	129.8	118.3	118.7	119.9	115.5	110.0	104.4	99.3	91.8	87.8	91.8
85°	104.8	98.9	96.1	103.7	97.3	89.0	80.3	71.2	59.3	49.8	54.2
87.5°	40.7	40.7	60.9	93.8	84.3	68.8	58.9	50.2	31.3	24.1	24.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	928.5	928.5	928.5	928.5	928.5	928.5	928.5	928.5
2.5°	930.1	930.9	930.5	930.1	930.1	929.7	930.1	930.1
5°	937.2	939.2	939.2	940.0	940.0	940.4	940.8	940.4
7.5°	947.9	951.5	953.9	956.6	957.0	957.4	958.2	957.4
10°	958.6	965.7	970.9	976.0	978.4	979.2	980.0	980.0
12.5°	972.1	981.9	991.0	1000.1	1004.5	1006.9	1006.9	1008.5
15°	994.2	1004.1	1014.8	1027.1	1034.6	1038.5	1039.7	1039.7
17.5°	1025.5	1034.2	1043.3	1055.1	1064.6	1069.8	1071.0	1070.6
20°	1061.9	1070.2	1075.3	1082.8	1091.1	1097.1	1098.7	1098.7
22.5°	1103.4	1108.2	1108.9	1111.3	1118.0	1126.0	1129.5	1130.3
25°	1149.3	1150.5	1147.3	1147.3	1151.7	1159.2	1162.8	1163.1
27.5°	1208.6	1202.7	1194.8	1192.0	1194.8	1203.5	1207.9	1209.4
30°	1282.6	1268.4	1250.2	1240.3	1238.7	1250.2	1258.1	1259.3
32.5°	1367.3	1346.7	1322.6	1302.4	1297.3	1304.4	1313.9	1313.5
35°	1467.8	1443.3	1414.0	1388.3	1376.4	1383.5	1397.0	1398.5
37.5°	1583.7	1551.7	1518.0	1485.6	1467.0	1469.0	1483.2	1488.0
40°	1713.1	1671.5	1629.2	1585.7	1559.2	1554.0	1571.4	1574.2
42.5°	1851.5	1798.1	1744.7	1690.9	1656.9	1649.0	1669.2	1668.0
45°	1999.1	1931.1	1868.6	1809.2	1768.9	1757.0	1773.6	1773.6
47.5°	2157.8	2073.9	1999.5	1932.2	1888.3	1871.3	1887.1	1888.3
50°	2325.9	2236.9	2149.4	2074.7	2022.1	2000.3	2020.9	2024.0
52.5°	2493.2	2406.6	2318.4	2232.9	2169.2	2142.7	2166.5	2176.7
55°	2663.0	2577.9	2493.6	2410.2	2334.6	2303.3	2328.7	2341.7
57.5°	2842.2	2763.5	2683.1	2598.9	2526.1	2477.4	2504.3	2521.7
60°	3052.3	2985.0	2901.5	2808.6	2735.0	2685.5	2701.0	2716.4
62.5°	3218.4	3244.5	3173.7	3066.1	2971.6	2908.3	2923.3	2939.5
65°	3138.1	3406.0	3468.9	3360.1	3229.1	3130.6	3124.3	3132.6
67.5°	2623.0	3143.3	3522.7	3626.3	3516.7	3379.9	3354.5	3366.8
70°	1754.6	2402.6	3072.1	3570.5	3703.1	3650.1	3625.1	3632.7
72.5°	842.7	1399.3	2084.2	2746.8	3150.4	3335.5	3394.9	3423.8
75°	308.2	555.5	1004.5	1513.7	1827.4	2115.4	2303.3	2380.1
77.5°	185.9	224.3	320.9	483.1	547.2	612.4	587.1	599.8
80°	137.7	155.5	176.1	197.8	204.9	204.9	197.0	190.7
82.5°	96.5	108.0	117.9	129.8	132.9	127.0	104.4	83.1
85°	62.1	67.3	71.6	79.1	77.1	73.6	49.5	43.9
87.5°	28.5	32.4	34.0	37.6	36.0	34.4	24.5	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)