

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: P200583

Luminaire Tested: **GPC-AF-01-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200583
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-01-LED-E1-RW-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5302 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B2 - U0 - G2

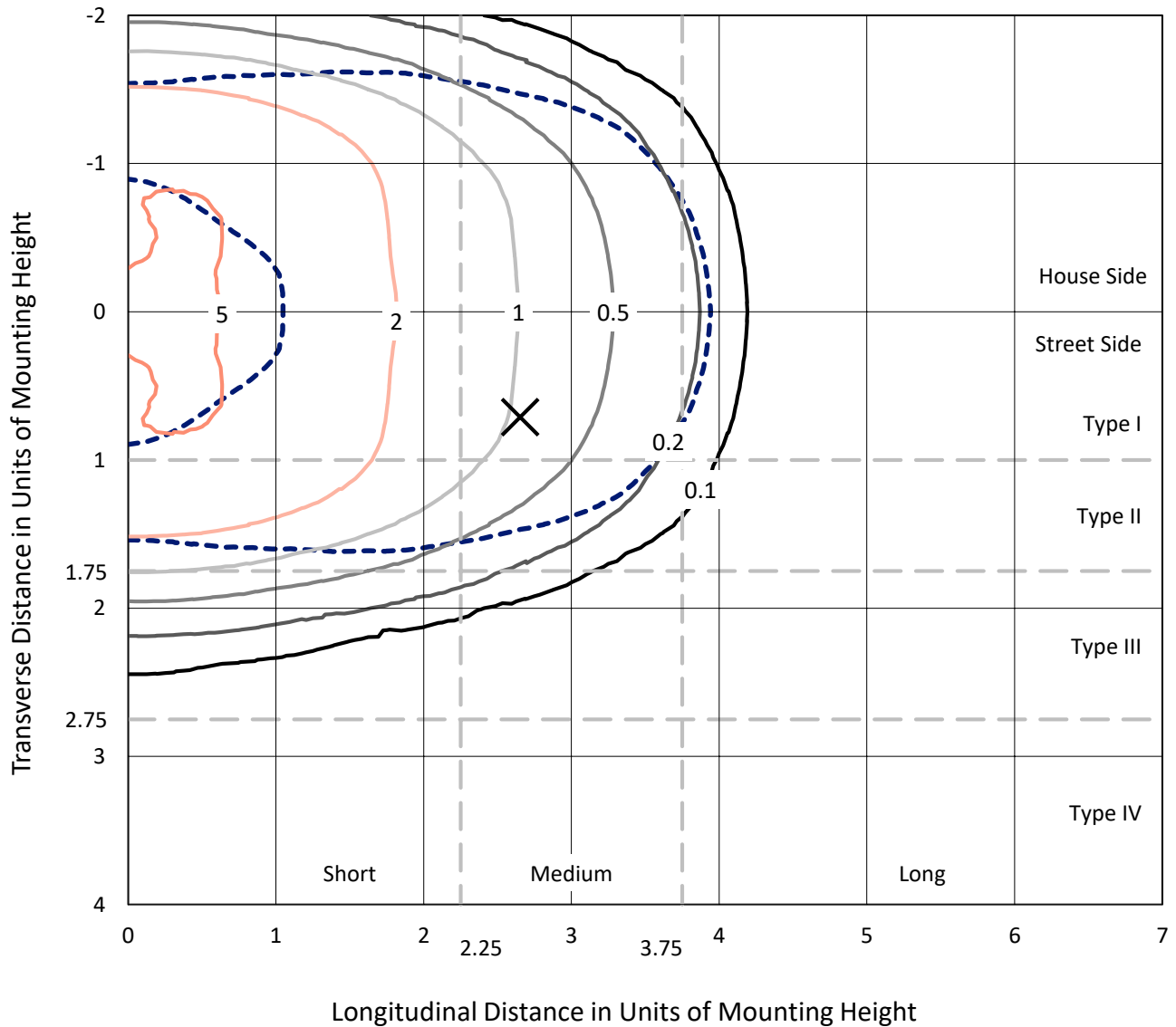
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

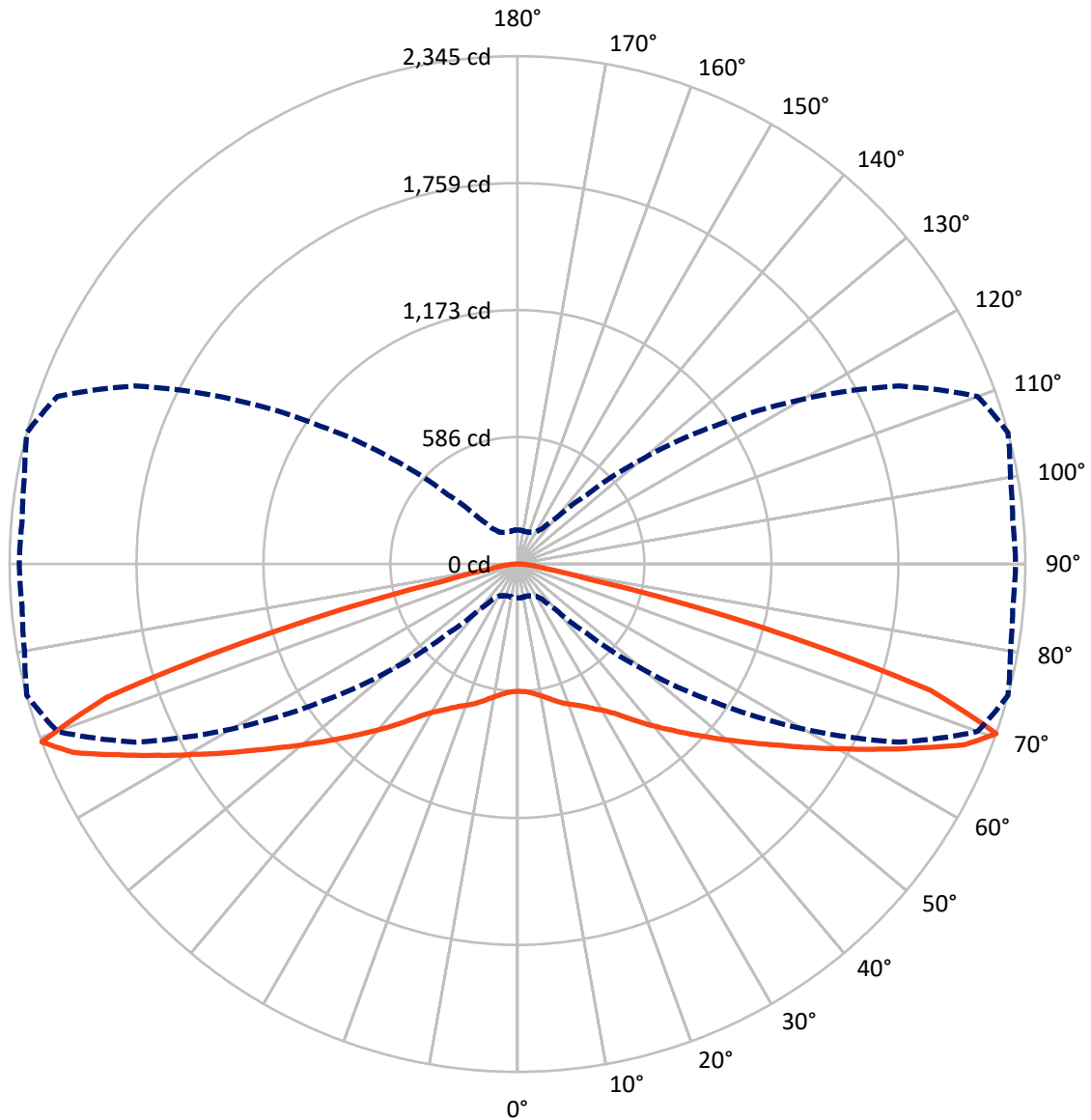
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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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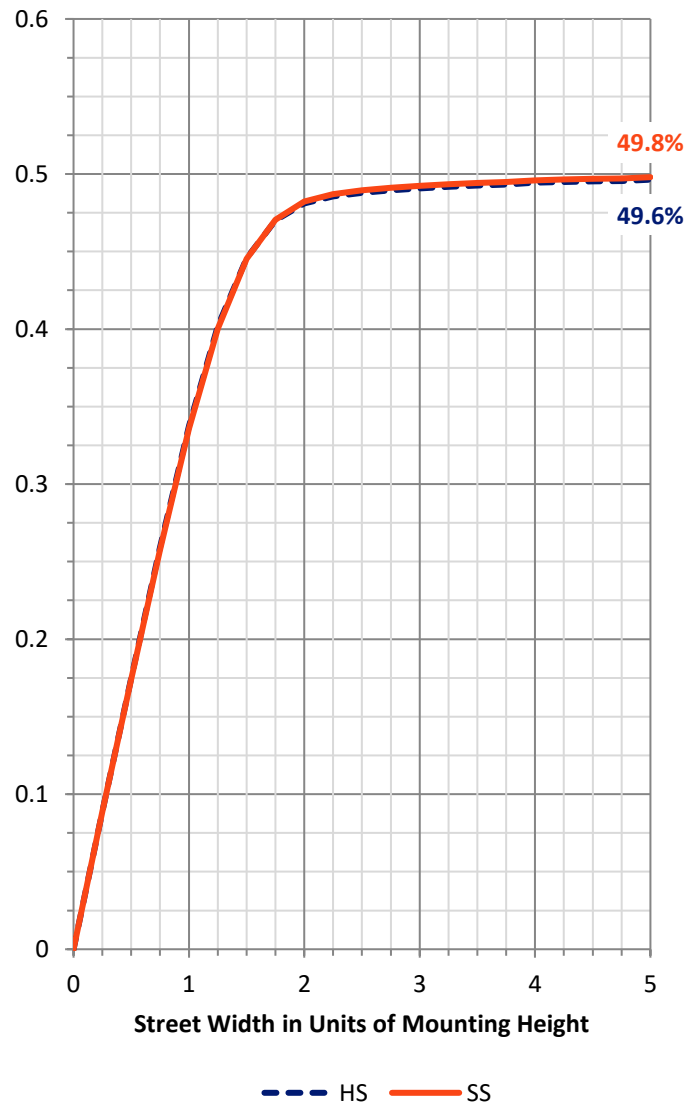
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2651.0	0.0	2651.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2651.0	0.0	2651.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5302.0	0.0	5302.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	1.1
10°-20°	175.3	3.3
20°-30°	329.9	6.2
30°-40°	584.1	11.0
40°-50°	976.8	18.4
50°-60°	1361.2	25.7
60°-70°	1262.3	23.8
70°-80°	503.1	9.5
80°-90°	52.9	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°	5302.0	100.0
0°-180°	5302.0	100.0



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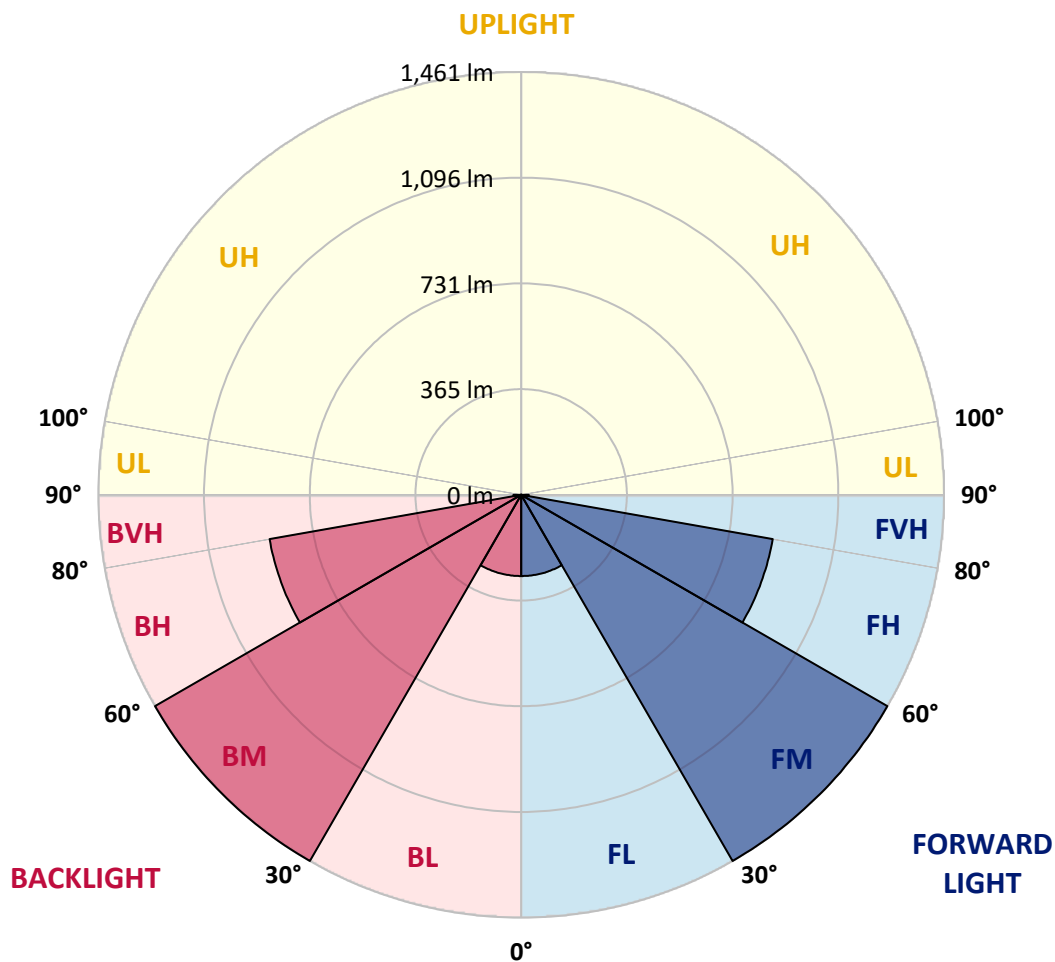
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.8	5.3			
FM	(30°-60°)	1461.1	27.6			
FH	(60°-80°)	882.7	16.6			G1/1800
FVH	(80°-90°)	26.4	0.5			G1/100
BL	(0°-30°)	280.8	5.3	B1/500		
BM	(30°-60°)	1461.1	27.6	B2/2500		
BH	(60°-80°)	882.7	16.6	B2/1000		G2/1000
BVH	(80°-90°)	26.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
2.5°	587.1	586.6	587.1	586.9	587.4	587.4	587.9	588.9	588.9	589.6	589.4
5°	581.3	581.1	581.9	582.6	583.4	584.9	586.4	588.6	590.4	591.6	592.9
7.5°	570.1	570.1	571.1	572.8	574.6	577.8	581.3	585.9	590.4	594.1	597.4
10°	560.8	561.3	562.6	565.6	568.6	573.6	578.3	584.9	591.1	597.4	602.4
12.5°	555.3	556.0	558.3	562.8	567.8	574.6	581.9	590.1	597.1	604.7	609.7
15°	557.0	557.5	560.8	566.3	572.8	581.3	591.1	600.9	609.2	617.2	623.9
17.5°	566.8	567.6	571.3	577.6	584.4	594.4	604.9	615.9	626.2	635.2	643.5
20°	584.4	585.1	589.9	596.6	604.7	614.9	625.5	637.0	648.5	658.0	667.3
22.5°	609.2	610.4	614.9	621.7	630.7	641.7	654.3	666.5	677.6	686.3	694.6
25°	641.7	644.5	648.8	656.3	665.8	675.8	689.4	701.9	712.4	720.7	726.7
27.5°	687.8	691.6	694.9	702.1	711.4	720.9	734.5	745.5	755.5	763.5	768.0
30°	749.0	752.7	756.0	763.0	771.5	780.6	793.3	803.1	809.4	815.6	815.4
32.5°	823.2	827.2	828.4	835.9	844.7	854.5	866.0	871.5	876.5	877.3	872.8
35°	906.1	908.1	913.1	923.1	933.2	941.2	952.2	955.0	955.0	951.2	941.2
37.5°	997.1	998.3	1005.3	1016.6	1026.9	1035.2	1042.7	1048.2	1045.4	1037.4	1020.6
40°	1096.8	1099.1	1109.1	1119.1	1130.6	1138.4	1146.4	1147.4	1144.7	1132.9	1110.1
42.5°	1192.0	1194.0	1204.0	1219.8	1234.9	1245.6	1253.2	1254.7	1245.9	1235.1	1206.8
45°	1274.0	1279.2	1292.3	1310.8	1332.6	1347.9	1358.2	1362.4	1354.6	1340.6	1307.8
47.5°	1338.9	1344.1	1362.7	1384.7	1411.8	1436.6	1453.6	1462.6	1460.6	1450.1	1414.3
50°	1386.5	1391.5	1411.5	1438.6	1470.2	1501.0	1530.1	1551.6	1559.1	1554.4	1521.5
52.5°	1392.0	1400.3	1423.8	1460.1	1501.2	1543.3	1584.7	1621.3	1646.1	1649.8	1625.5
55°	1315.1	1323.3	1355.9	1409.8	1470.9	1539.6	1605.7	1667.4	1716.2	1741.3	1728.5
57.5°	1133.6	1148.4	1182.7	1245.9	1335.9	1438.6	1544.1	1653.6	1753.1	1819.5	1832.3
60°	868.8	886.3	920.9	988.0	1088.3	1210.8	1351.6	1513.5	1689.2	1838.5	1927.7
62.5°	557.3	573.8	610.2	668.6	750.2	883.1	1034.2	1226.3	1462.4	1698.2	1910.7
65°	286.4	295.4	314.5	349.8	413.5	512.7	648.3	840.0	1109.8	1400.8	1708.0
67.5°	181.4	183.2	187.4	192.4	208.7	243.1	306.2	425.7	647.8	951.2	1310.8
70°	156.9	156.9	154.9	154.1	156.1	160.9	170.6	198.5	273.4	451.5	756.0
72.5°	143.6	142.1	138.6	135.8	135.3	135.3	137.3	141.6	153.6	183.9	295.9
75°	132.3	128.0	123.3	120.0	118.8	117.5	117.3	118.0	120.5	125.3	141.3
77.5°	118.5	113.0	107.5	104.2	102.7	101.0	99.5	97.7	96.5	98.0	105.0
80°	102.0	95.7	91.5	89.5	88.0	85.4	82.2	79.2	76.4	75.9	80.2
82.5°	82.2	74.9	75.2	75.9	73.2	69.7	66.2	62.9	58.1	55.6	58.1
85°	66.4	62.6	60.9	65.7	61.6	56.4	50.9	45.1	37.6	31.6	34.3
87.5°	25.8	25.8	38.6	59.4	53.4	43.6	37.3	31.8	19.8	15.3	15.5
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°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
2.5°	589.1	589.6	589.4	589.1	589.1	588.9	589.1	589.1
5°	593.6	594.9	594.9	595.4	595.4	595.6	595.9	595.6
7.5°	600.4	602.6	604.2	605.9	606.2	606.4	606.9	606.4
10°	607.2	611.7	614.9	618.2	619.7	620.2	620.7	620.7
12.5°	615.7	621.9	627.7	633.5	636.2	637.7	637.7	638.7
15°	629.7	636.0	642.7	650.5	655.3	657.8	658.5	658.5
17.5°	649.5	655.0	660.8	668.3	674.3	677.6	678.3	678.1
20°	672.6	677.8	681.1	685.8	691.1	694.9	695.9	695.9
22.5°	698.9	701.9	702.4	703.9	708.1	713.2	715.4	715.9
25°	727.9	728.7	726.7	726.7	729.4	734.2	736.5	736.7
27.5°	765.5	761.8	756.8	755.0	756.8	762.3	765.0	766.0
30°	812.4	803.4	791.8	785.6	784.6	791.8	796.8	797.6
32.5°	866.0	853.0	837.7	824.9	821.7	826.2	832.2	831.9
35°	929.7	914.1	895.6	879.3	871.8	876.3	884.8	885.8
37.5°	1003.1	982.8	961.5	940.9	929.2	930.4	939.4	942.4
40°	1085.0	1058.7	1031.9	1004.3	987.5	984.3	995.3	997.1
42.5°	1172.7	1138.9	1105.1	1071.0	1049.4	1044.4	1057.2	1056.5
45°	1266.2	1223.1	1183.5	1145.9	1120.4	1112.8	1123.4	1123.4
47.5°	1366.7	1313.5	1266.4	1223.8	1196.0	1185.3	1195.3	1196.0
50°	1473.2	1416.8	1361.4	1314.1	1280.7	1266.9	1280.0	1282.0
52.5°	1579.2	1524.3	1468.4	1414.3	1373.9	1357.2	1372.2	1378.7
55°	1686.7	1632.8	1579.4	1526.5	1478.7	1458.9	1474.9	1483.2
57.5°	1800.2	1750.3	1699.4	1646.1	1600.0	1569.1	1586.2	1597.2
60°	1933.2	1890.6	1837.8	1778.9	1732.3	1700.9	1710.7	1720.5
62.5°	2038.5	2055.0	2010.2	1942.0	1882.1	1842.0	1851.5	1861.8
65°	1987.6	2157.3	2197.1	2128.2	2045.2	1982.9	1978.8	1984.1
67.5°	1661.4	1990.9	2231.2	2296.8	2227.4	2140.7	2124.7	2132.5
70°	1111.3	1521.8	1945.8	2261.5	2345.4	2311.9	2296.1	2300.8
72.5°	533.7	886.3	1320.1	1739.8	1995.4	2112.7	2150.2	2168.5
75°	195.2	351.8	636.2	958.7	1157.4	1339.9	1458.9	1507.5
77.5°	117.8	142.1	203.2	306.0	346.6	387.9	371.9	379.9
80°	87.2	98.5	111.5	125.3	129.8	129.8	124.8	120.8
82.5°	61.1	68.4	74.7	82.2	84.2	80.4	66.2	52.6
85°	39.3	42.6	45.4	50.1	48.9	46.6	31.3	27.8
87.5°	18.0	20.5	21.6	23.8	22.8	21.8	15.5	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)