

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: P192759

Luminaire Tested: **GLEON-AF-01-LED-E1-RW-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192759
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: GLEON-AF-01-LED-E1-RW-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6759.9 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 67
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



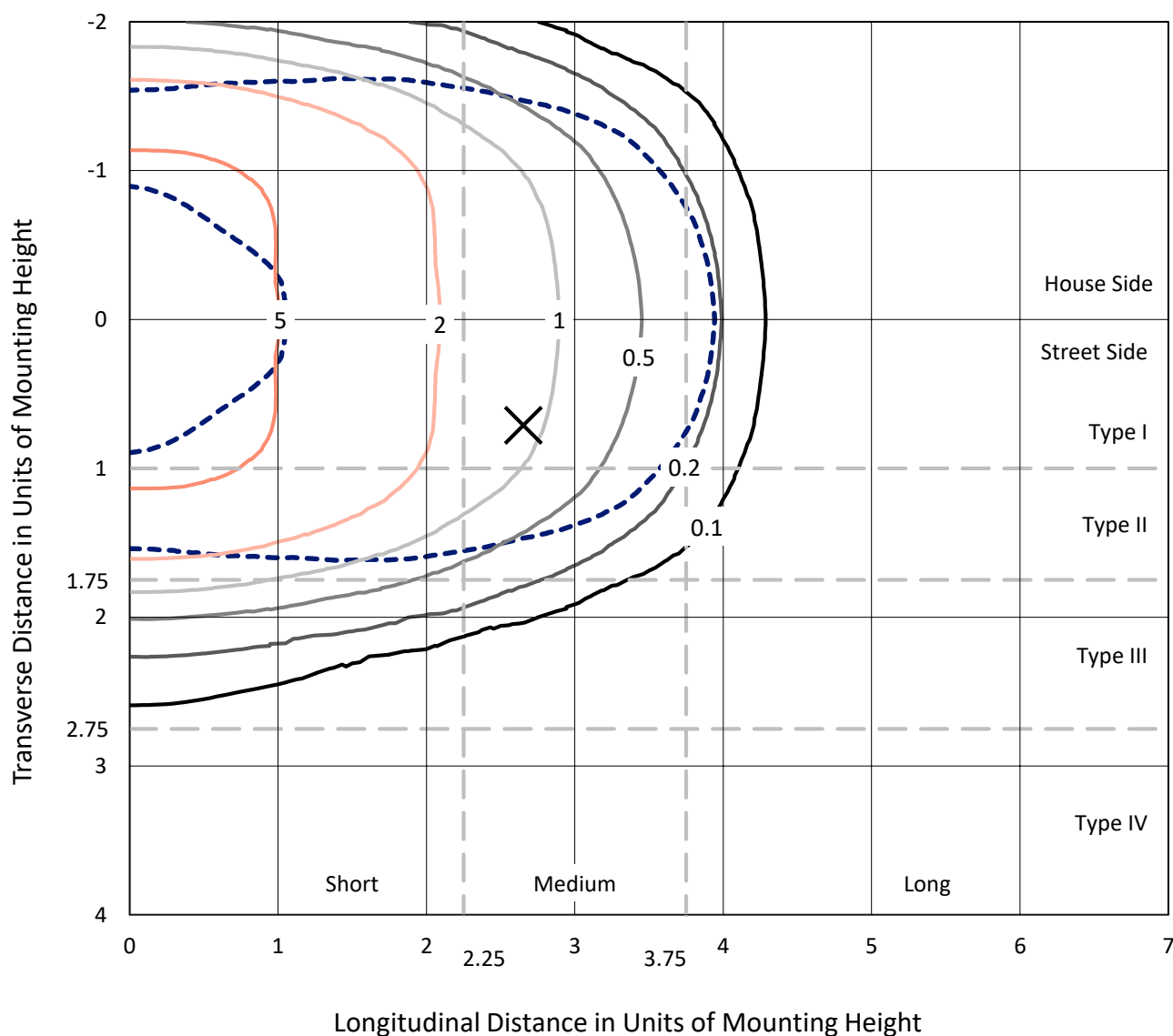
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

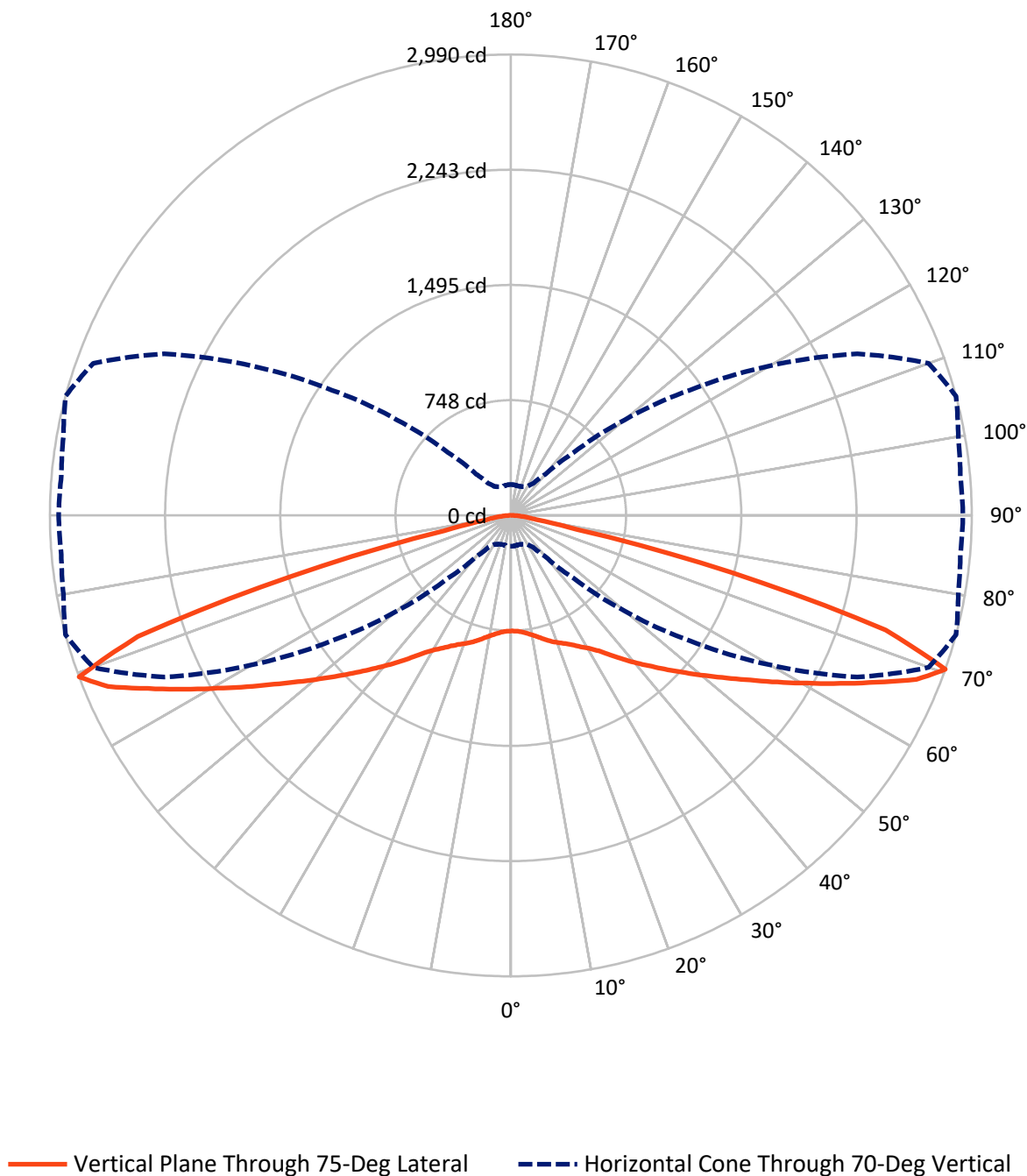


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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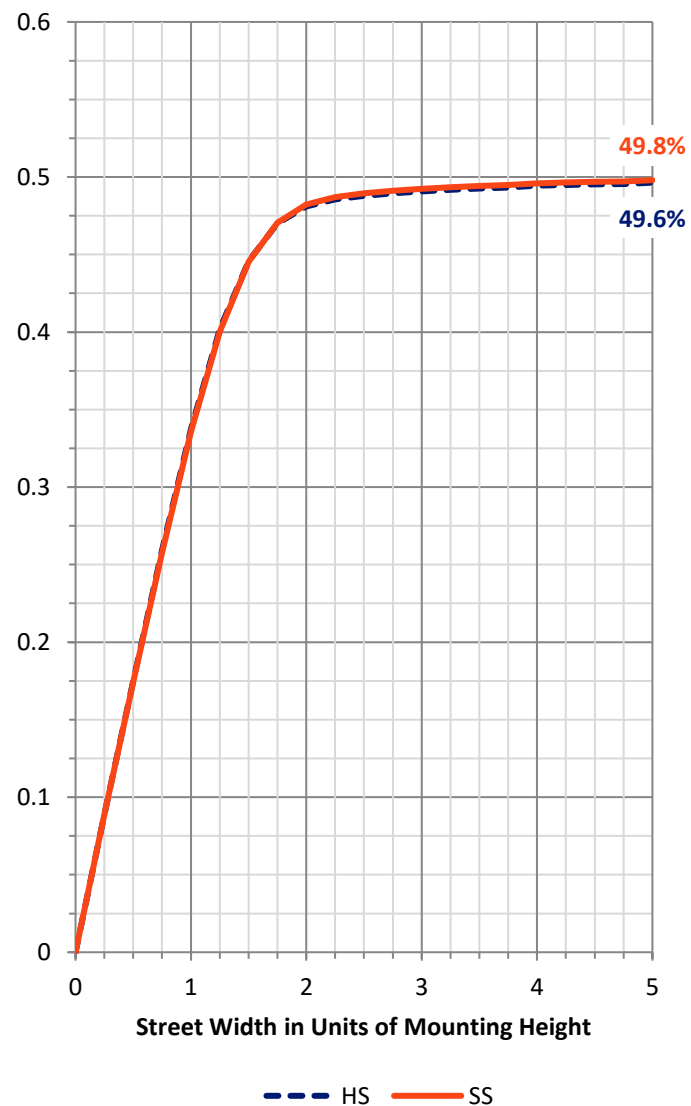
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3379.9	0.0	3379.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3379.9	0.0	3379.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6759.9	0.0	6759.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.1
10°-20°	223.4	3.3
20°-30°	420.6	6.2
30°-40°	744.7	11.0
40°-50°	1245.4	18.4
50°-60°	1735.5	25.7
60°-70°	1609.4	23.8
70°-80°	641.4	9.5
80°-90°	67.4	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°	6759.9	100.0
0°-180°	6759.9	100.0

Coefficient of Utilization



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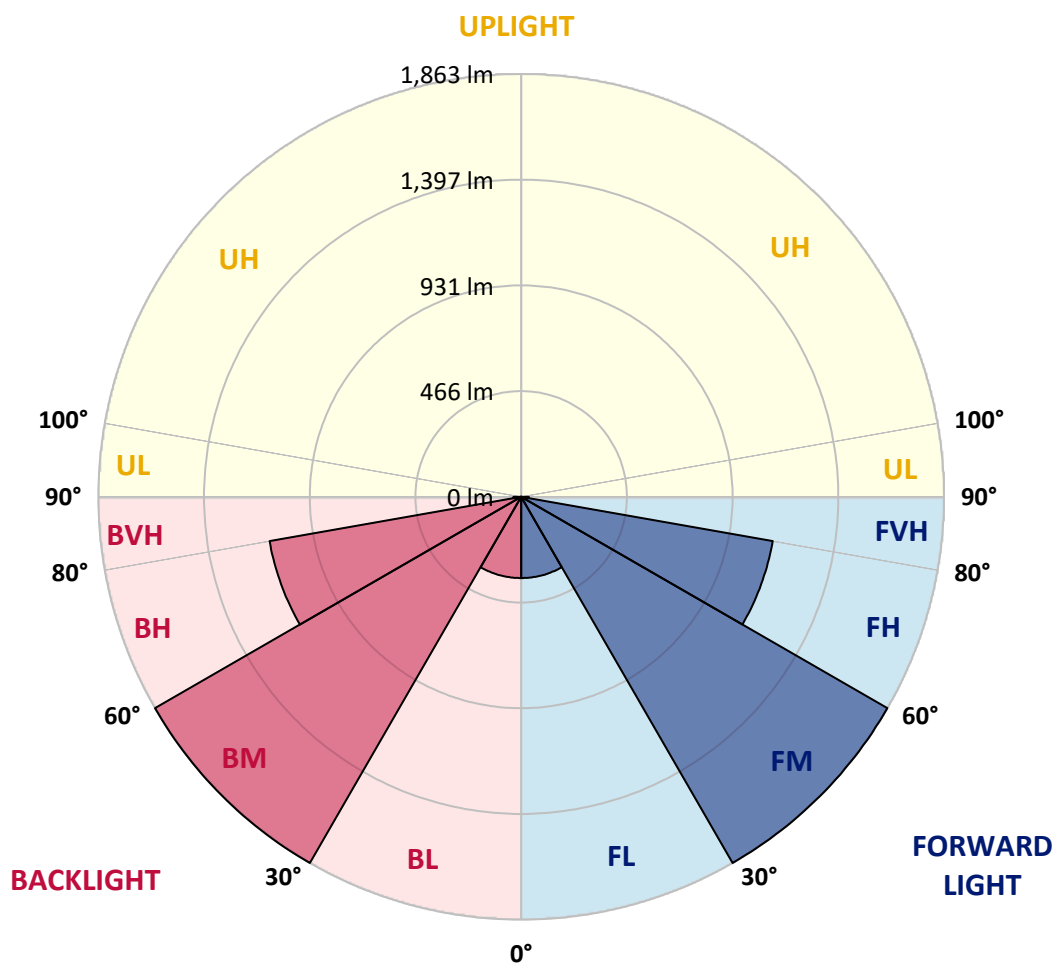
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.0	5.3			
FM	(30°-60°)	1862.9	27.6			
FH	(60°-80°)	1125.4	16.6			G1/1800
FVH	(80°-90°)	33.7	0.5			G1/100
BL	(0°-30°)	358.0	5.3	B1/500		
BM	(30°-60°)	1862.9	27.6	B2/2500		
BH	(60°-80°)	1125.4	16.6	B3/2500		G3/2500
BVH	(80°-90°)	33.7	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°	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8
2.5°	748.5	747.9	748.5	748.2	748.9	748.9	749.5	750.8	750.8	751.7	751.3
5°	741.3	740.9	741.9	742.8	743.7	745.7	747.6	750.5	752.7	754.3	755.8
7.5°	726.8	726.8	728.1	730.3	732.6	736.7	741.3	747.0	752.7	757.5	761.6
10°	715.0	715.6	717.3	721.1	724.9	731.3	737.4	745.7	753.7	761.6	768.0
12.5°	708.0	709.0	711.9	717.5	724.0	732.6	741.9	752.4	761.3	771.0	777.3
15°	710.1	710.8	715.0	721.9	730.3	741.3	753.7	766.1	776.7	786.8	795.5
17.5°	722.6	723.7	728.4	736.4	745.0	757.8	771.3	785.2	798.3	809.9	820.4
20°	745.0	746.0	752.0	760.7	771.0	784.1	797.5	812.2	826.9	839.0	850.8
22.5°	776.7	778.3	784.1	792.6	804.1	818.3	834.2	849.8	863.9	875.0	885.6
25°	818.3	821.7	827.1	836.7	848.8	861.6	878.9	894.9	908.3	918.9	926.5
27.5°	877.1	881.7	885.9	895.2	907.0	919.2	936.4	950.4	963.2	973.5	979.2
30°	954.9	959.8	963.8	972.9	983.7	995.3	1011.5	1024.0	1032.0	1039.9	1039.6
32.5°	1049.6	1054.6	1056.2	1065.9	1077.0	1089.5	1104.2	1111.1	1117.5	1118.5	1112.8
35°	1155.2	1157.8	1164.1	1176.9	1189.8	1200.0	1214.1	1217.5	1217.5	1212.8	1200.0
37.5°	1271.2	1272.9	1281.7	1296.2	1309.3	1319.8	1329.3	1336.4	1332.9	1322.7	1301.3
40°	1398.4	1401.2	1414.1	1426.8	1441.4	1451.4	1461.7	1462.9	1459.3	1444.4	1415.4
42.5°	1519.8	1522.3	1535.1	1555.2	1574.4	1588.2	1597.7	1599.7	1588.5	1574.8	1538.6
45°	1624.2	1630.9	1647.6	1671.2	1699.0	1718.5	1731.6	1737.0	1727.2	1709.3	1667.4
47.5°	1706.9	1713.7	1737.3	1765.4	1799.9	1831.6	1853.4	1864.8	1862.3	1848.8	1803.3
50°	1767.7	1774.1	1799.6	1834.1	1874.5	1913.6	1950.8	1978.2	1987.9	1981.8	1939.9
52.5°	1774.7	1785.3	1815.4	1861.7	1914.0	1967.6	2020.4	2067.0	2098.7	2103.5	2072.5
55°	1676.7	1687.2	1728.7	1797.5	1875.3	1963.0	2047.3	2125.8	2188.1	2220.0	2203.8
57.5°	1445.4	1464.2	1508.0	1588.5	1703.2	1834.1	1968.7	2108.2	2235.1	2319.8	2336.1
60°	1107.7	1130.0	1174.1	1259.8	1387.5	1543.8	1723.3	1929.6	2153.6	2344.0	2457.8
62.5°	710.5	731.6	777.9	852.3	956.6	1125.8	1318.5	1563.5	1864.5	2165.2	2436.1
65°	365.2	376.6	401.0	446.0	527.1	653.7	826.5	1071.0	1415.0	1786.0	2177.6
67.5°	231.3	233.6	239.0	245.4	266.1	309.9	390.4	542.8	825.9	1212.8	1671.2
70°	200.0	200.0	197.4	196.4	199.1	205.1	217.5	253.1	348.5	575.7	963.8
72.5°	183.1	181.2	176.7	173.1	172.5	172.5	175.1	180.5	195.8	234.5	377.3
75°	168.7	163.3	157.3	153.1	151.5	149.8	149.4	150.4	153.6	159.7	180.2
77.5°	151.1	144.1	137.0	132.9	131.0	128.7	126.8	124.5	123.0	124.9	133.9
80°	130.0	122.1	116.6	114.0	112.1	108.9	104.8	100.9	97.5	96.8	102.2
82.5°	104.8	95.5	95.8	96.8	93.3	88.8	84.3	80.2	74.1	70.9	74.1
85°	84.6	79.9	77.7	83.7	78.5	71.9	64.9	57.5	48.0	40.2	43.8
87.5°	32.9	32.9	49.1	75.7	68.1	55.6	47.6	40.5	25.2	19.4	19.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	749.8	749.8	749.8	749.8	749.8	749.8	749.8	749.8
2.5°	751.1	751.7	751.3	751.1	751.1	750.8	751.1	751.1
5°	756.8	758.5	758.5	759.2	759.2	759.5	759.7	759.5
7.5°	765.5	768.3	770.3	772.5	772.8	773.1	773.8	773.1
10°	774.1	779.9	784.1	788.2	790.1	790.7	791.4	791.4
12.5°	784.9	793.0	800.4	807.7	811.1	813.1	813.1	814.3
15°	802.8	810.8	819.5	829.4	835.4	838.7	839.5	839.5
17.5°	828.0	835.2	842.5	852.1	859.8	863.9	864.8	864.6
20°	857.4	864.2	868.4	874.4	881.1	885.9	887.1	887.1
22.5°	891.0	894.9	895.5	897.4	902.8	909.2	912.1	912.8
25°	928.0	929.0	926.5	926.5	930.1	936.2	939.0	939.3
27.5°	976.0	971.2	964.9	962.6	964.9	971.9	975.3	976.7
30°	1035.8	1024.3	1009.5	1001.6	1000.3	1009.5	1016.0	1016.8
32.5°	1104.2	1087.5	1068.0	1051.7	1047.6	1053.4	1061.0	1060.7
35°	1185.3	1165.5	1141.9	1121.1	1111.5	1117.2	1128.1	1129.4
37.5°	1278.9	1252.9	1225.9	1199.6	1184.7	1186.2	1197.7	1201.6
40°	1383.3	1349.8	1315.6	1280.5	1259.1	1255.0	1268.9	1271.2
42.5°	1495.2	1452.0	1408.9	1365.5	1338.0	1331.7	1347.9	1346.9
45°	1614.3	1559.3	1508.9	1461.1	1428.4	1418.8	1432.3	1432.3
47.5°	1742.4	1674.7	1614.7	1560.3	1524.9	1511.2	1523.9	1524.9
50°	1878.2	1806.4	1735.8	1675.4	1632.9	1615.3	1631.9	1634.5
52.5°	2013.4	1943.4	1872.1	1803.3	1751.8	1730.3	1749.5	1757.8
55°	2150.4	2081.7	2013.7	1946.4	1885.3	1860.0	1880.5	1891.1
57.5°	2295.2	2231.6	2166.7	2098.7	2039.9	2000.6	2022.3	2036.4
60°	2464.8	2410.5	2343.1	2268.0	2208.5	2168.7	2181.2	2193.6
62.5°	2599.0	2620.0	2562.9	2476.1	2399.7	2348.5	2360.6	2373.7
65°	2534.2	2750.4	2801.2	2713.4	2607.6	2528.0	2522.9	2529.7
67.5°	2118.2	2538.3	2844.7	2928.3	2839.8	2729.3	2708.9	2718.8
70°	1416.9	1940.2	2480.8	2883.4	2990.3	2947.6	2927.4	2933.5
72.5°	680.4	1130.0	1683.0	2218.2	2544.0	2693.6	2741.6	2764.8
75°	248.9	448.5	811.1	1222.4	1475.6	1708.3	1860.0	1922.0
77.5°	150.1	181.2	259.1	390.0	441.9	494.5	474.0	484.3
80°	111.2	125.5	142.1	159.7	165.5	165.5	159.1	153.9
82.5°	77.9	87.2	95.2	104.8	107.3	102.6	84.3	67.0
85°	50.1	54.3	57.8	63.9	62.3	59.4	40.0	35.5
87.5°	23.1	26.2	27.5	30.4	29.1	27.8	19.7	16.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)