

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: P200585

Luminaire Tested: **GWC-AF-01-LED-E1-RW-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200585
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: GWC-AF-01-LED-E1-RW-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 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: 5817 lumens
Efficiency: N/A
Efficacy: 86.8 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): 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



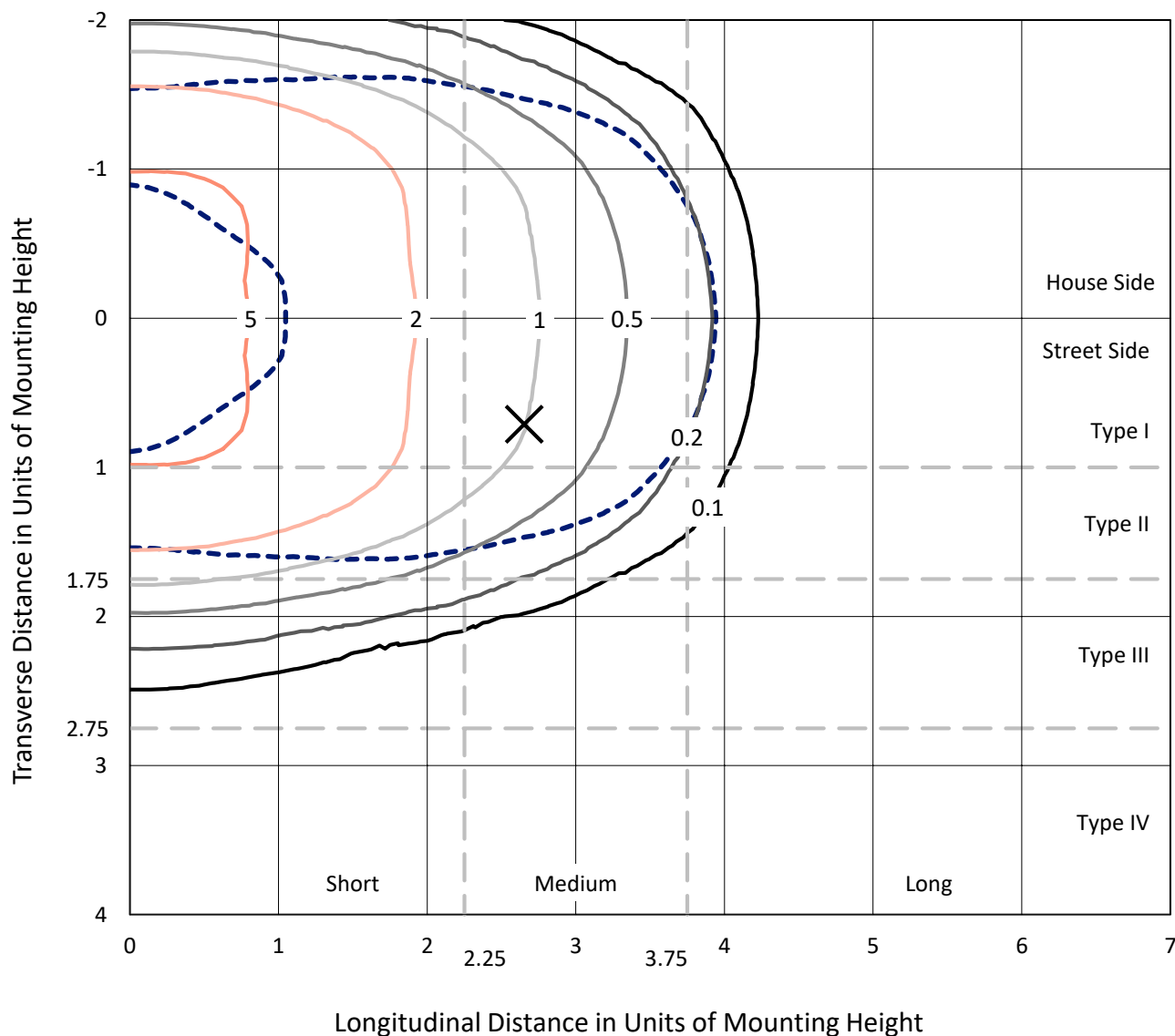
REPORT NUMBER: P200585

CATALOG NUMBER: GWC-AF-01-LED-E1-RW-8030-1200

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

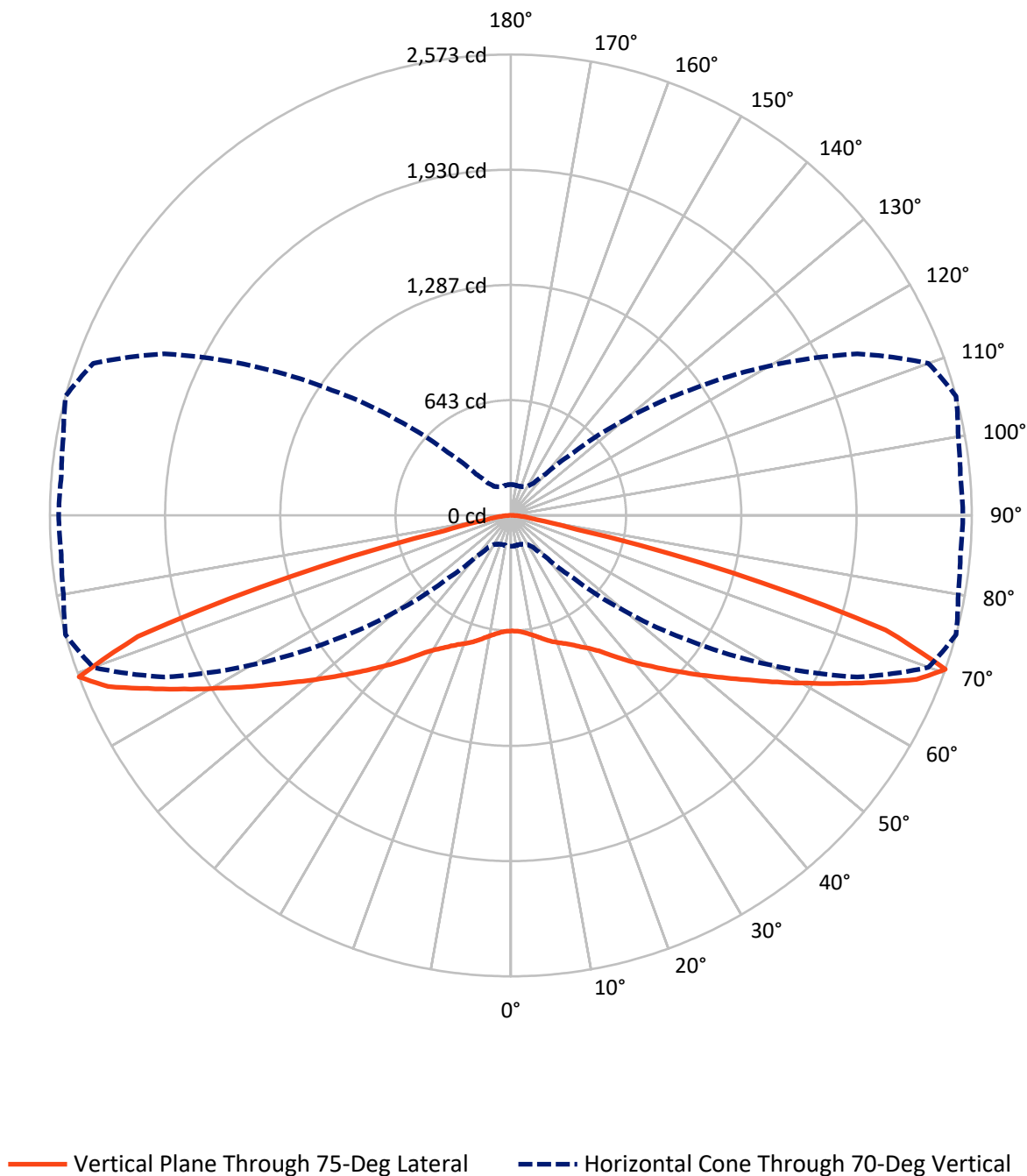


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - Full Cutoff

REPORT NUMBER: P200585

CATALOG NUMBER: GWC-AF-01-LED-E1-RW-8030-1200

Luminous Intensity Polar Plot



REPORT NUMBER: P200585

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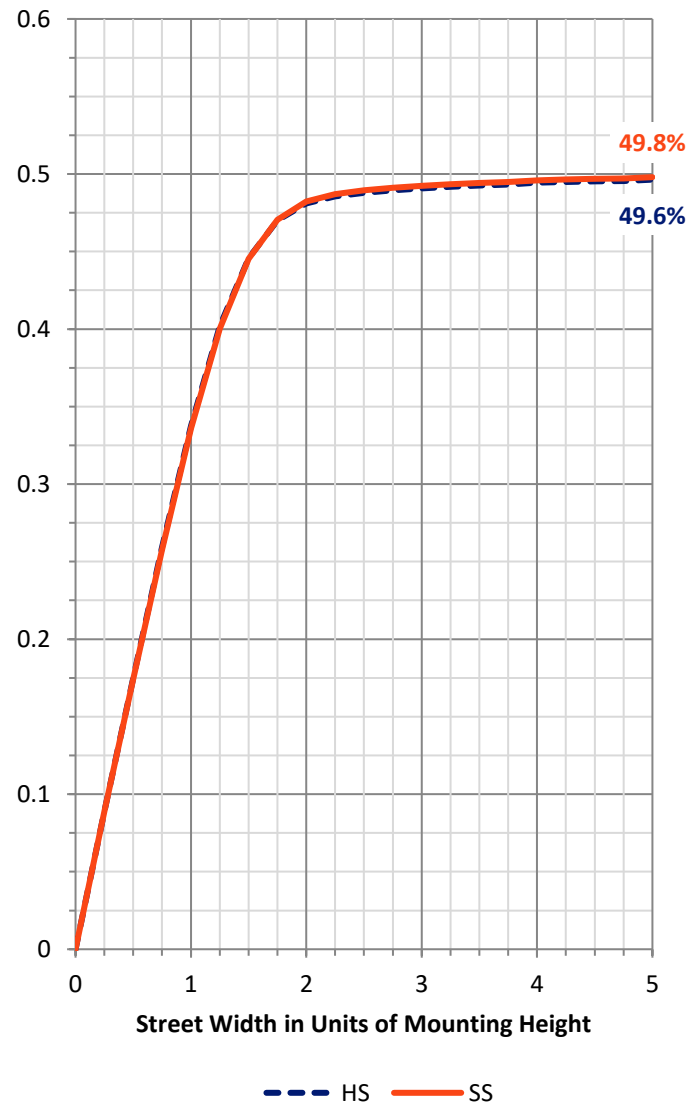
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2908.5	0.0	2908.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2908.5	0.0	2908.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5817.0	0.0	5817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.1
10°-20°	192.3	3.3
20°-30°	361.9	6.2
30°-40°	640.9	11.0
40°-50°	1071.7	18.4
50°-60°	1493.5	25.7
60°-70°	1384.9	23.8
70°-80°	551.9	9.5
80°-90°	58.0	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°	5817.0	100.0
0°-180°	5817.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200585

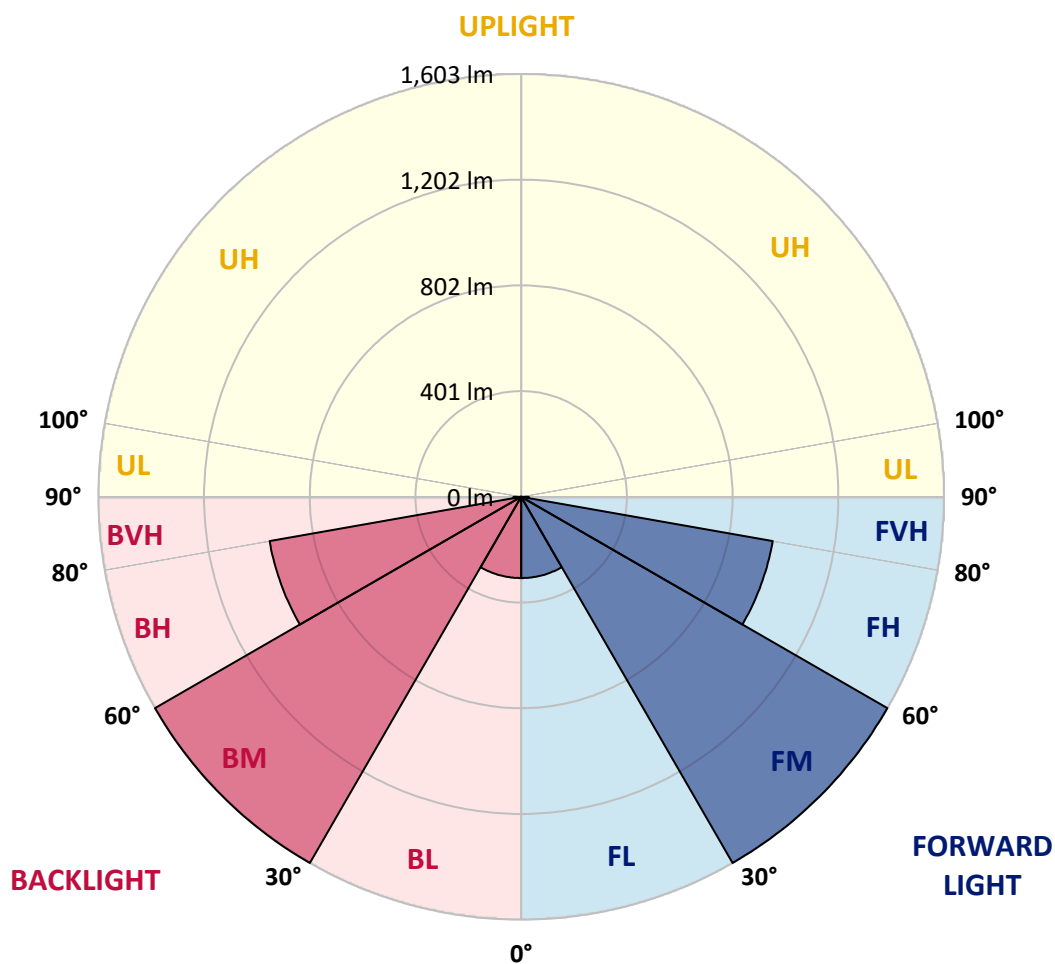
CATALOG NUMBER: GWC-AF-01-LED-E1-RW-8030-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.0	5.3			
FM	(30°-60°)	1603.0	27.6			
FH	(60°-80°)	968.4	16.6			G1/1800
FVH	(80°-90°)	29.0	0.5			G1/100
BL	(0°-30°)	308.0	5.3	B1/500		
BM	(30°-60°)	1603.0	27.6	B2/2500		
BH	(60°-80°)	968.4	16.6	B2/1000		G2/1000
BVH	(80°-90°)	29.0	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



REPORT NUMBER: P200585

CATALOG NUMBER: GWC-AF-01-LED-E1-RW-8030-1200

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2
2.5°	644.1	643.6	644.1	643.9	644.4	644.4	645.0	646.1	646.1	646.9	646.6
5°	637.8	637.5	638.4	639.2	640.0	641.7	643.3	645.8	647.7	649.1	650.5
7.5°	625.4	625.4	626.5	628.5	630.4	634.0	637.8	642.8	647.7	651.8	655.4
10°	615.3	615.8	617.2	620.5	623.8	629.3	634.5	641.7	648.5	655.4	660.9
12.5°	609.2	610.1	612.5	617.5	623.0	630.4	638.4	647.4	655.1	663.4	668.9
15°	611.2	611.7	615.3	621.3	628.5	637.8	648.5	659.3	668.3	677.1	684.6
17.5°	621.9	622.7	626.8	633.7	641.1	652.1	663.7	675.8	687.0	696.9	706.0
20°	641.1	641.9	647.2	654.6	663.4	674.7	686.2	698.9	711.5	721.9	732.1
22.5°	668.3	669.7	674.7	682.1	692.0	704.1	717.8	731.3	743.4	753.0	762.1
25°	704.1	707.1	711.8	720.0	730.5	741.5	756.3	770.1	781.6	790.7	797.3
27.5°	754.7	758.8	762.4	770.3	780.5	790.9	805.8	817.9	828.9	837.7	842.6
30°	821.7	825.9	829.4	837.1	846.5	856.4	870.4	881.1	888.0	894.9	894.6
32.5°	903.1	907.5	908.9	917.1	926.8	937.5	950.1	956.2	961.7	962.5	957.6
35°	994.1	996.3	1001.8	1012.8	1023.8	1032.6	1044.7	1047.7	1047.7	1043.6	1032.6
37.5°	1093.9	1095.3	1103.0	1115.4	1126.6	1135.7	1143.9	1150.0	1147.0	1138.2	1119.8
40°	1203.3	1205.8	1216.8	1227.8	1240.4	1249.0	1257.8	1258.9	1255.8	1242.9	1217.9
42.5°	1307.8	1310.0	1321.0	1338.3	1354.8	1366.6	1374.9	1376.5	1366.9	1355.1	1324.0
45°	1397.7	1403.5	1417.8	1438.1	1462.0	1478.8	1490.1	1494.7	1486.2	1470.8	1434.8
47.5°	1468.9	1474.7	1495.0	1519.2	1548.9	1576.1	1594.8	1604.7	1602.5	1591.0	1551.7
50°	1521.1	1526.6	1548.6	1578.3	1613.0	1646.8	1678.7	1702.3	1710.6	1705.3	1669.3
52.5°	1527.2	1536.3	1562.1	1602.0	1647.1	1693.2	1738.6	1778.7	1806.0	1810.1	1783.4
55°	1442.8	1451.9	1487.6	1546.7	1613.8	1689.1	1761.7	1829.3	1882.9	1910.4	1896.4
57.5°	1243.7	1260.0	1297.6	1366.9	1465.6	1578.3	1694.1	1814.2	1923.4	1996.2	2010.2
60°	953.2	972.4	1010.3	1084.0	1194.0	1328.4	1482.9	1660.5	1853.2	2017.1	2115.0
62.5°	611.4	629.6	669.4	733.5	823.1	968.8	1134.6	1345.5	1604.4	1863.1	2096.3
65°	314.2	324.1	345.0	383.8	453.6	562.5	711.2	921.5	1217.6	1536.8	1873.9
67.5°	199.0	201.0	205.6	211.1	229.0	266.7	336.0	467.1	710.7	1043.6	1438.1
70°	172.1	172.1	169.9	169.1	171.3	176.5	187.2	217.7	299.9	495.4	829.4
72.5°	157.5	155.9	152.0	149.0	148.5	148.5	150.7	155.3	168.5	201.8	324.7
75°	145.2	140.5	135.3	131.7	130.3	128.9	128.7	129.5	132.2	137.5	155.1
77.5°	130.0	124.0	117.9	114.4	112.7	110.8	109.1	107.2	105.8	107.5	115.2
80°	111.9	105.0	100.3	98.1	96.5	93.7	90.2	86.9	83.9	83.3	88.0
82.5°	90.2	82.2	82.5	83.3	80.3	76.4	72.6	69.0	63.8	61.0	63.8
85°	72.9	68.7	66.8	72.0	67.6	61.9	55.8	49.5	41.2	34.6	37.7
87.5°	28.3	28.3	42.3	65.2	58.6	47.8	41.0	34.9	21.7	16.8	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P200585

CATALOG NUMBER: GWC-AF-01-LED-E1-RW-8030-1200

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	645.2	645.2	645.2	645.2	645.2	645.2	645.2	645.2
2.5°	646.3	646.9	646.6	646.3	646.3	646.1	646.3	646.3
5°	651.3	652.7	652.7	653.2	653.2	653.5	653.8	653.5
7.5°	658.7	661.2	662.8	664.8	665.0	665.3	665.9	665.3
10°	666.1	671.1	674.7	678.2	679.9	680.4	681.0	681.0
12.5°	675.5	682.4	688.7	695.0	698.0	699.7	699.7	700.8
15°	690.9	697.8	705.2	713.7	718.9	721.7	722.5	722.5
17.5°	712.6	718.6	725.0	733.2	739.8	743.4	744.2	743.9
20°	737.9	743.7	747.2	752.5	758.2	762.4	763.5	763.5
22.5°	766.8	770.1	770.6	772.3	776.9	782.4	784.9	785.5
25°	798.6	799.5	797.3	797.3	800.3	805.5	808.0	808.3
27.5°	839.9	835.8	830.3	828.3	830.3	836.3	839.3	840.4
30°	891.3	881.4	868.8	861.9	860.8	868.8	874.3	875.1
32.5°	950.1	935.8	919.1	905.0	901.5	906.4	913.0	912.7
35°	1020.0	1002.9	982.6	964.7	956.5	961.4	970.7	971.8
37.5°	1100.5	1078.2	1054.9	1032.3	1019.4	1020.8	1030.7	1034.0
40°	1190.4	1161.5	1132.1	1101.9	1083.5	1079.9	1092.0	1093.9
42.5°	1286.6	1249.5	1212.4	1175.0	1151.4	1145.9	1159.9	1159.1
45°	1389.2	1341.9	1298.5	1257.2	1229.2	1220.9	1232.5	1232.5
47.5°	1499.4	1441.1	1389.5	1342.7	1312.2	1300.4	1311.4	1312.2
50°	1616.3	1554.4	1493.6	1441.7	1405.1	1390.0	1404.3	1406.5
52.5°	1732.6	1672.3	1611.0	1551.7	1507.4	1489.0	1505.5	1512.6
55°	1850.5	1791.4	1732.8	1674.8	1622.3	1600.6	1618.2	1627.3
57.5°	1975.0	1920.3	1864.5	1806.0	1755.4	1721.6	1740.3	1752.3
60°	2121.0	2074.3	2016.3	1951.7	1900.5	1866.2	1876.9	1887.6
62.5°	2236.5	2254.6	2205.4	2130.6	2064.9	2020.9	2031.4	2042.7
65°	2180.7	2366.8	2410.5	2334.9	2243.9	2175.5	2171.1	2176.8
67.5°	1822.7	2184.3	2447.9	2519.9	2443.8	2348.7	2331.1	2339.6
70°	1219.3	1669.6	2134.8	2481.2	2573.3	2536.4	2519.1	2524.3
72.5°	585.6	972.4	1448.3	1908.8	2189.2	2317.9	2359.1	2379.2
75°	214.2	386.0	698.0	1051.8	1269.9	1470.0	1600.6	1653.9
77.5°	129.2	155.9	223.0	335.7	380.2	425.6	408.0	416.8
80°	95.7	108.0	122.3	137.5	142.4	142.4	136.9	132.5
82.5°	67.1	75.1	81.9	90.2	92.4	88.2	72.6	57.7
85°	43.2	46.7	49.8	55.0	53.6	51.1	34.4	30.5
87.5°	19.8	22.5	23.6	26.1	25.0	23.9	17.0	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)