

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635001

Luminaire Tested: GWS-SA3C-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7182.1 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

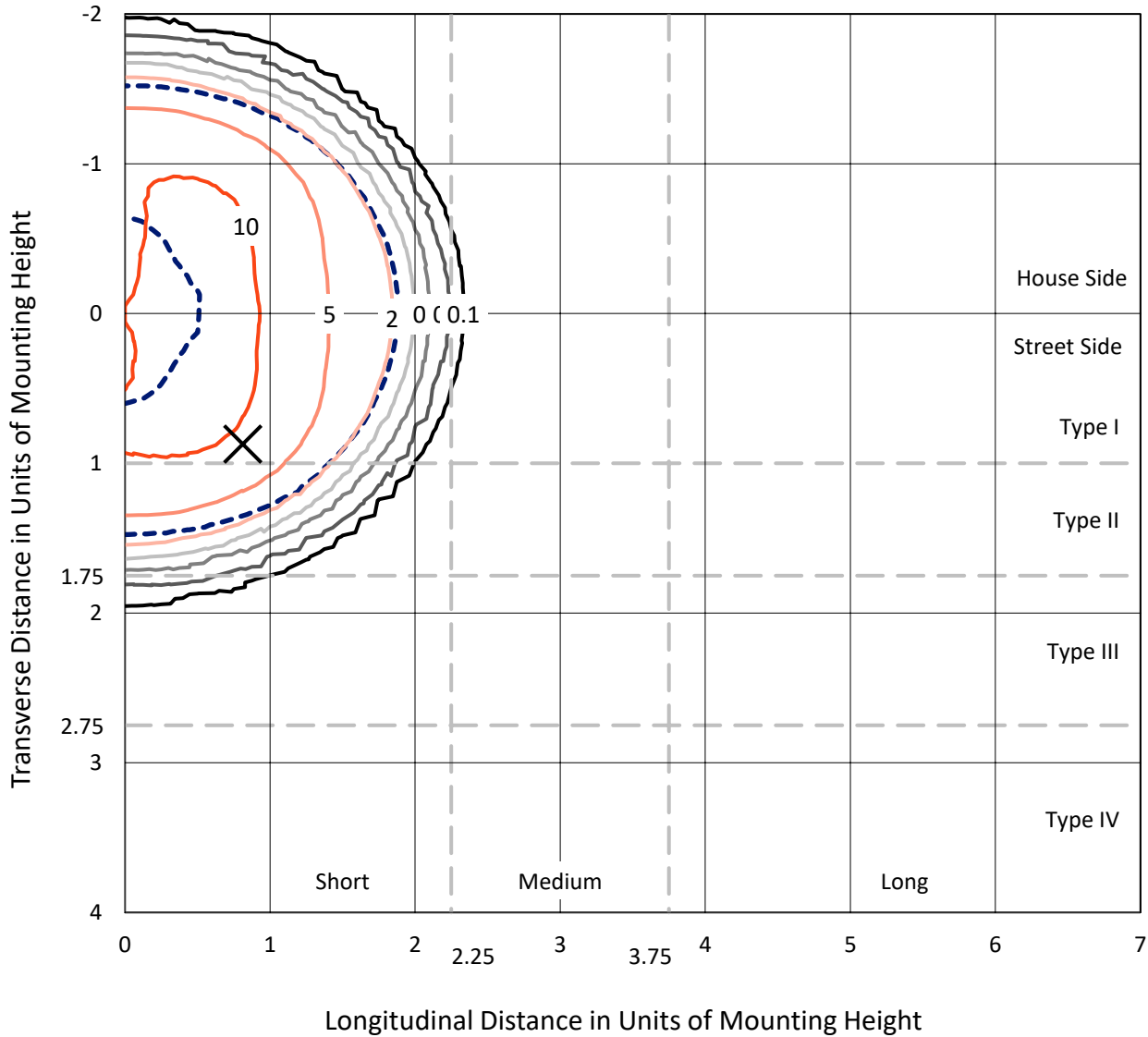
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

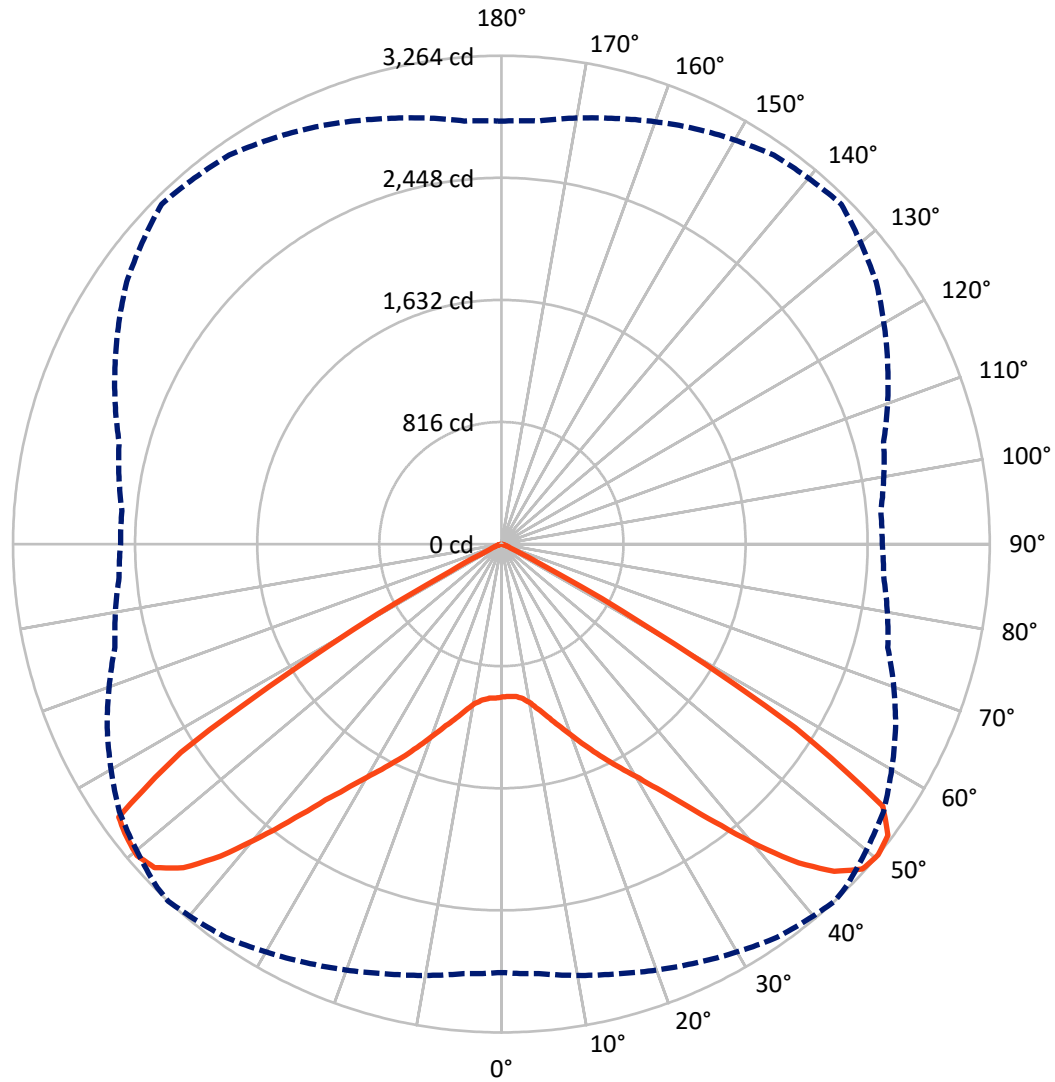
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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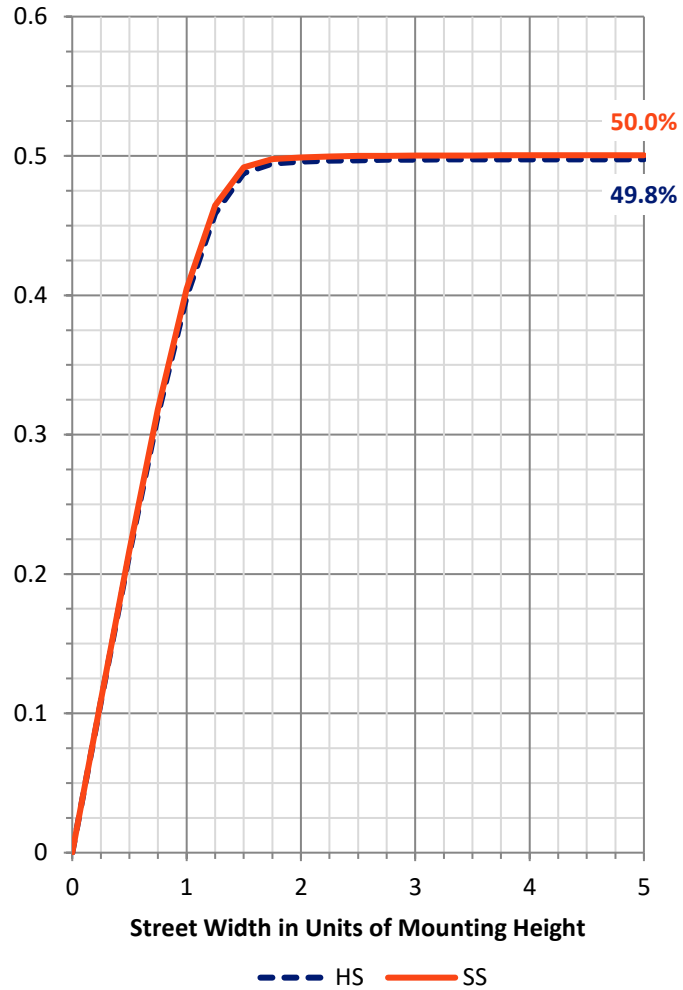
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3591.0	0.0	3591.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3591.1	0.0	3591.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7182.1	0.0	7182.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	1.4
10°-20°	346.2	4.8
20°-30°	700.4	9.8
30°-40°	1299.5	18.1
40°-50°	2157.1	30.0
50°-60°	2201.4	30.7
60°-70°	361.0	5.0
70°-80°	15.8	0.2
80°-90°	0.2	0.0
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°	7182.1	100.0
0°-180°	7182.1	100.0

Coefficient of Utilization



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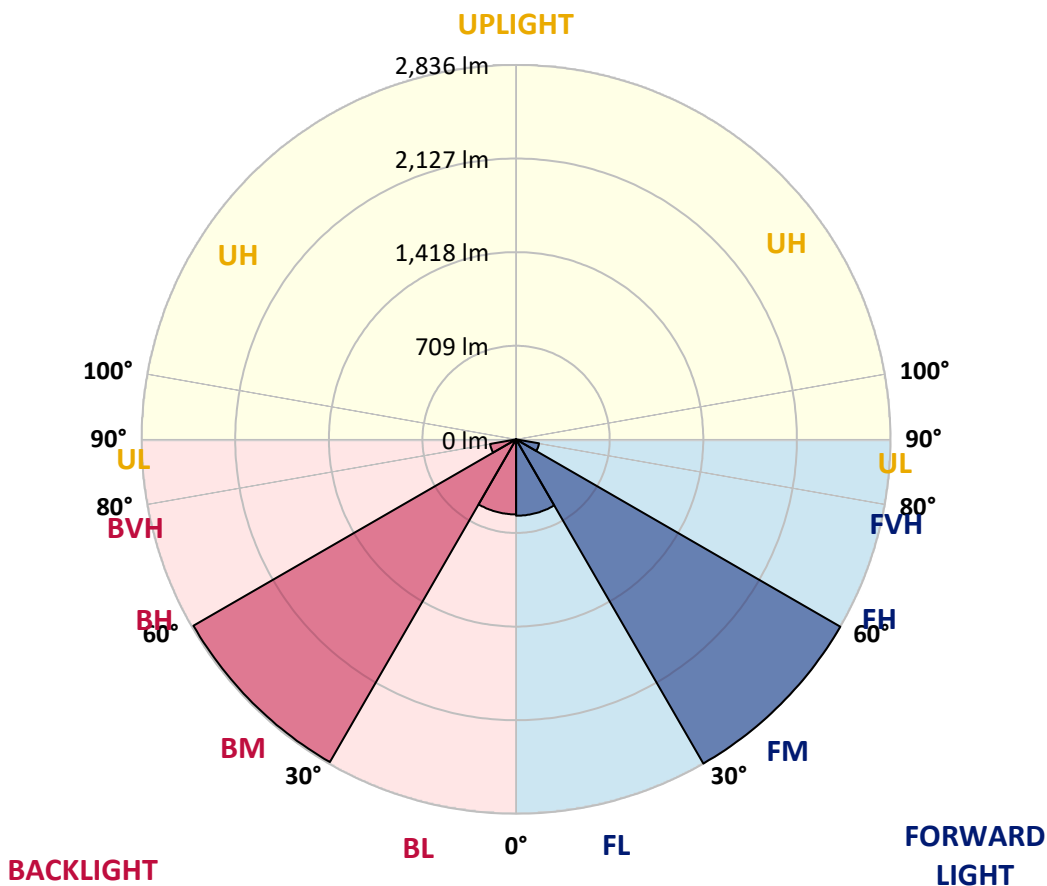
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.6	8.1			
FM (30°-60°)	2835.8	39.5			
FH (60°-80°)	176.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	568.6	7.9	B2/1000		
BM (30°-60°)	2822.1	39.3	B3/5000		
BH (60°-80°)	200.2	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5
2.5°	1002.5	1004.9	1008.0	1011.2	1015.2	1019.2	1021.5	1028.7	1027.1	1033.5	1033.5
5°	991.4	993.7	997.7	1004.9	1013.6	1022.3	1028.7	1043.0	1050.9	1063.6	1068.4
7.5°	996.9	1000.1	1004.9	1016.0	1029.5	1043.0	1050.1	1073.2	1089.1	1112.9	1126.4
10°	1015.2	1018.4	1026.3	1045.4	1062.8	1081.9	1090.6	1120.0	1145.5	1178.0	1197.1
12.5°	1035.8	1039.8	1055.7	1084.3	1114.5	1139.9	1151.8	1184.4	1210.6	1247.1	1277.3
15°	1057.3	1063.6	1088.3	1130.4	1173.3	1207.4	1220.1	1255.1	1281.3	1320.2	1354.4
17.5°	1107.3	1114.5	1142.3	1187.6	1246.3	1286.1	1297.2	1333.7	1353.6	1379.8	1415.5
20°	1170.1	1183.6	1217.7	1272.6	1336.9	1375.0	1383.0	1418.7	1417.1	1428.2	1459.2
22.5°	1247.9	1257.5	1294.8	1359.9	1432.2	1474.3	1492.6	1507.7	1487.8	1478.3	1498.2
25°	1329.0	1340.1	1380.6	1452.1	1533.1	1581.6	1596.7	1608.6	1576.8	1541.0	1543.4
27.5°	1433.8	1441.8	1481.5	1557.7	1638.8	1693.6	1707.1	1727.7	1685.6	1628.4	1612.5
30°	1558.5	1566.5	1608.6	1688.8	1769.0	1815.9	1836.5	1862.0	1815.9	1744.4	1726.1
32.5°	1704.7	1712.6	1766.6	1849.3	1915.2	1966.0	1985.9	2012.9	1976.4	1896.1	1875.5
35°	1879.4	1884.2	1947.8	2037.5	2107.4	2156.7	2170.2	2202.0	2161.4	2081.2	2070.1
37.5°	2082.0	2087.6	2156.7	2260.7	2332.2	2387.0	2408.5	2417.2	2368.0	2278.2	2269.5
40°	2304.4	2322.7	2390.2	2502.2	2582.4	2651.6	2670.6	2641.2	2572.1	2449.8	2433.9
42.5°	2536.4	2552.3	2627.7	2749.3	2842.2	2912.9	2913.7	2850.1	2732.6	2563.4	2539.6
45°	2729.4	2735.8	2833.5	2955.8	3070.2	3120.2	3125.0	3009.8	2832.7	2629.3	2578.5
47.5°	2862.1	2872.4	2957.4	3074.9	3201.2	3246.5	3237.0	3093.2	2880.3	2672.2	2588.0
50°	2863.6	2881.1	2973.3	3086.9	3209.2	3264.0	3250.5	3117.0	2907.3	2673.8	2565.0
52.5°	2610.2	2638.8	2789.0	2953.4	3140.9	3234.6	3237.8	3148.0	2897.0	2648.4	2544.3
55°	1969.2	2000.2	2189.2	2469.6	2831.9	3093.2	3138.5	3111.5	2885.1	2659.5	2580.9
57.5°	1042.2	1018.4	1123.2	1401.2	1856.4	2318.7	2451.4	2667.4	2752.4	2673.0	2648.4
60°	227.2	242.3	322.5	434.5	724.5	1090.6	1220.1	1590.3	2030.4	2225.8	2367.2
62.5°	97.7	96.1	100.1	113.6	166.0	276.4	337.6	551.3	869.8	1194.7	1414.7
65°	80.2	81.0	84.2	84.2	78.6	79.4	83.4	126.3	203.4	285.2	382.9
67.5°	60.4	61.2	66.7	68.3	64.3	57.2	56.4	47.7	50.0	62.8	65.1
70°	38.1	38.1	41.3	42.9	42.9	39.7	38.9	34.2	33.4	38.1	42.9
72.5°	20.7	20.7	22.2	23.0	22.2	21.4	21.4	20.7	19.9	23.0	29.4
75°	8.7	8.7	9.5	9.5	8.7	8.7	8.7	8.7	8.7	10.3	15.9
77.5°	1.6	2.4	3.2	2.4	1.6	1.6	1.6	2.4	2.4	3.2	4.8
80°	0.8	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5	1021.5
2.5°	1039.0	1030.3	1033.5	1035.0	1032.7	1031.1	1022.3	1020.0	1016.0	1009.6	1008.0
5°	1074.0	1066.8	1066.0	1061.3	1050.1	1036.6	1020.0	1012.8	1004.9	996.9	995.3
7.5°	1132.7	1124.0	1118.5	1102.6	1077.1	1055.7	1027.9	1012.8	1002.5	992.1	989.8
10°	1208.2	1197.9	1182.0	1152.6	1118.5	1087.5	1054.9	1035.0	1019.2	1004.9	1004.1
12.5°	1288.4	1277.3	1248.7	1211.4	1170.1	1141.5	1100.2	1072.4	1048.5	1027.1	1024.7
15°	1372.6	1359.1	1320.2	1275.7	1237.6	1208.2	1162.9	1118.5	1081.9	1050.9	1047.8
17.5°	1437.0	1420.3	1374.2	1340.9	1309.9	1279.7	1228.9	1170.1	1121.6	1084.3	1075.6
20°	1477.5	1461.6	1417.9	1399.7	1385.4	1363.9	1303.5	1242.4	1188.4	1142.3	1134.3
22.5°	1516.4	1497.4	1459.2	1459.2	1470.4	1461.6	1396.5	1326.6	1263.0	1209.8	1197.9
25°	1560.1	1545.0	1518.0	1540.3	1568.1	1567.3	1500.5	1413.2	1340.1	1280.5	1268.6
27.5°	1623.7	1608.6	1599.0	1641.1	1676.1	1673.7	1600.6	1506.1	1429.0	1370.3	1359.1
30°	1735.7	1721.4	1711.0	1761.9	1806.4	1789.7	1709.5	1618.1	1540.3	1473.5	1465.6
32.5°	1885.0	1869.9	1856.4	1907.2	1947.0	1925.5	1849.3	1763.5	1673.7	1608.6	1592.7
35°	2081.2	2049.4	2035.9	2096.3	2113.0	2089.2	2016.1	1940.6	1845.3	1770.6	1760.3
37.5°	2283.8	2246.4	2236.9	2289.3	2316.3	2307.6	2221.8	2143.2	2039.9	1957.3	1945.4
40°	2456.9	2422.8	2406.1	2487.9	2549.1	2554.6	2477.6	2381.5	2259.9	2174.1	2152.7
42.5°	2558.6	2529.2	2525.3	2652.4	2752.4	2823.9	2731.8	2632.5	2504.6	2407.7	2390.2
45°	2581.7	2562.6	2596.0	2762.8	2918.5	3048.7	2970.1	2865.2	2727.0	2624.5	2607.9
47.5°	2579.3	2572.9	2632.5	2820.0	3017.0	3177.4	3138.5	3020.1	2886.7	2779.4	2763.6
50°	2545.1	2545.9	2645.2	2848.6	3056.7	3212.4	3173.4	3063.8	2944.7	2839.0	2826.3
52.5°	2531.6	2526.8	2621.4	2839.8	3097.2	3196.5	3109.1	2986.0	2853.3	2723.0	2704.0
55°	2579.3	2567.4	2624.5	2832.7	3102.0	3187.7	2957.4	2690.5	2418.8	2264.7	2252.0
57.5°	2650.8	2638.1	2665.1	2780.2	2853.3	2650.8	2176.5	1746.0	1466.4	1348.0	1296.4
60°	2367.2	2358.4	2337.8	2198.8	1885.8	1422.7	969.1	618.0	444.0	359.0	359.0
62.5°	1468.8	1456.8	1344.8	999.3	726.0	420.2	231.2	144.6	109.6	102.5	101.7
65°	412.3	409.9	339.2	239.9	152.5	94.5	83.4	85.0	83.4	81.0	80.2
67.5°	62.0	68.3	68.3	55.6	53.2	59.6	69.9	74.7	70.7	66.7	65.1
70°	39.7	42.9	41.3	35.7	38.1	44.5	50.0	50.8	48.5	44.5	43.7
72.5°	27.8	31.0	25.4	23.0	23.8	26.2	28.6	28.6	27.8	26.2	24.6
75°	16.7	16.7	11.9	11.1	11.1	11.9	11.9	13.5	13.5	12.7	11.9
77.5°	5.6	6.4	4.0	3.2	3.2	3.2	4.0	4.8	4.8	4.0	3.2
80°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)