

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: P632746

Luminaire Tested: GWS-SA2D-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632746
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-SA2D-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7463.8 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

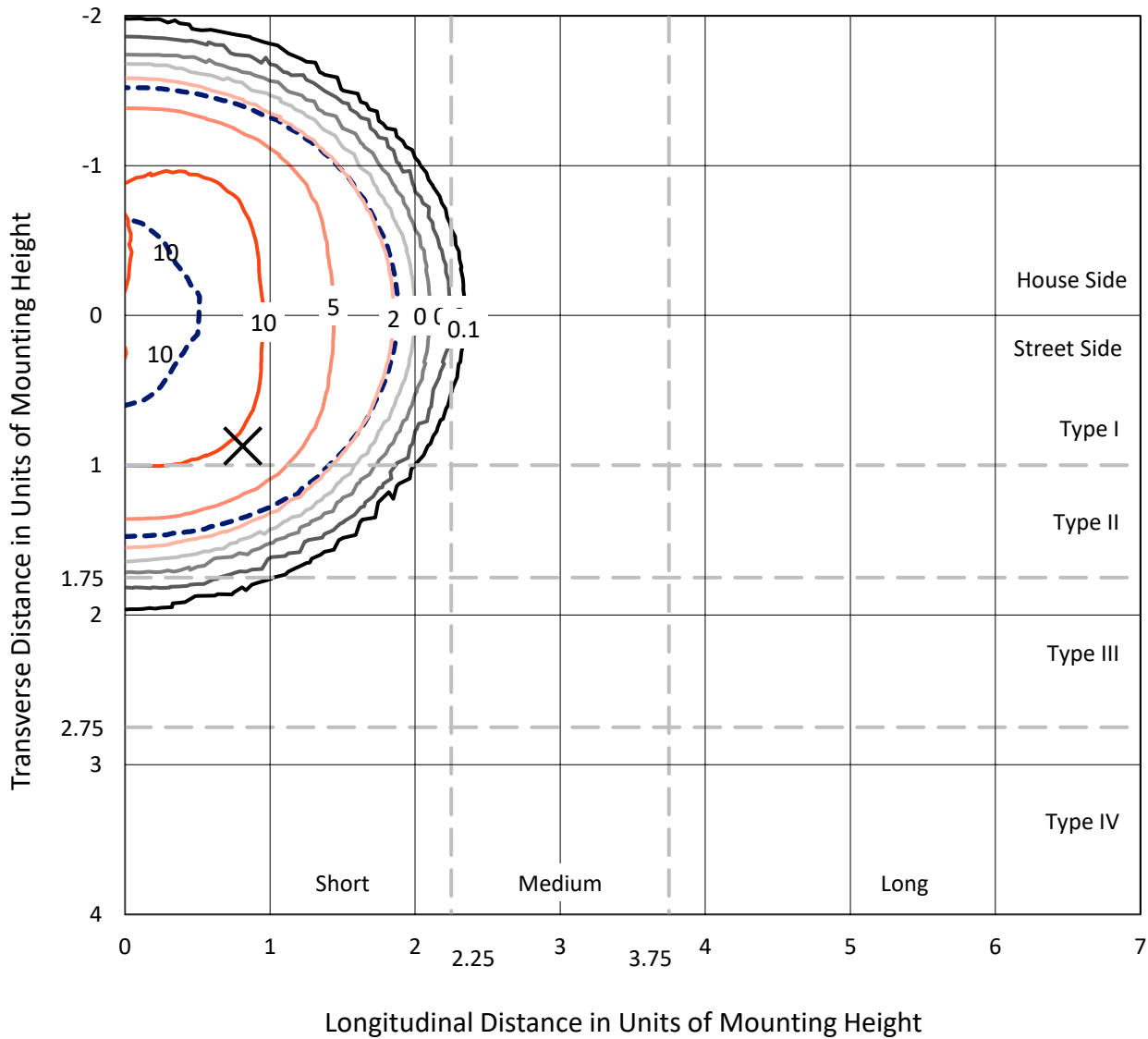
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

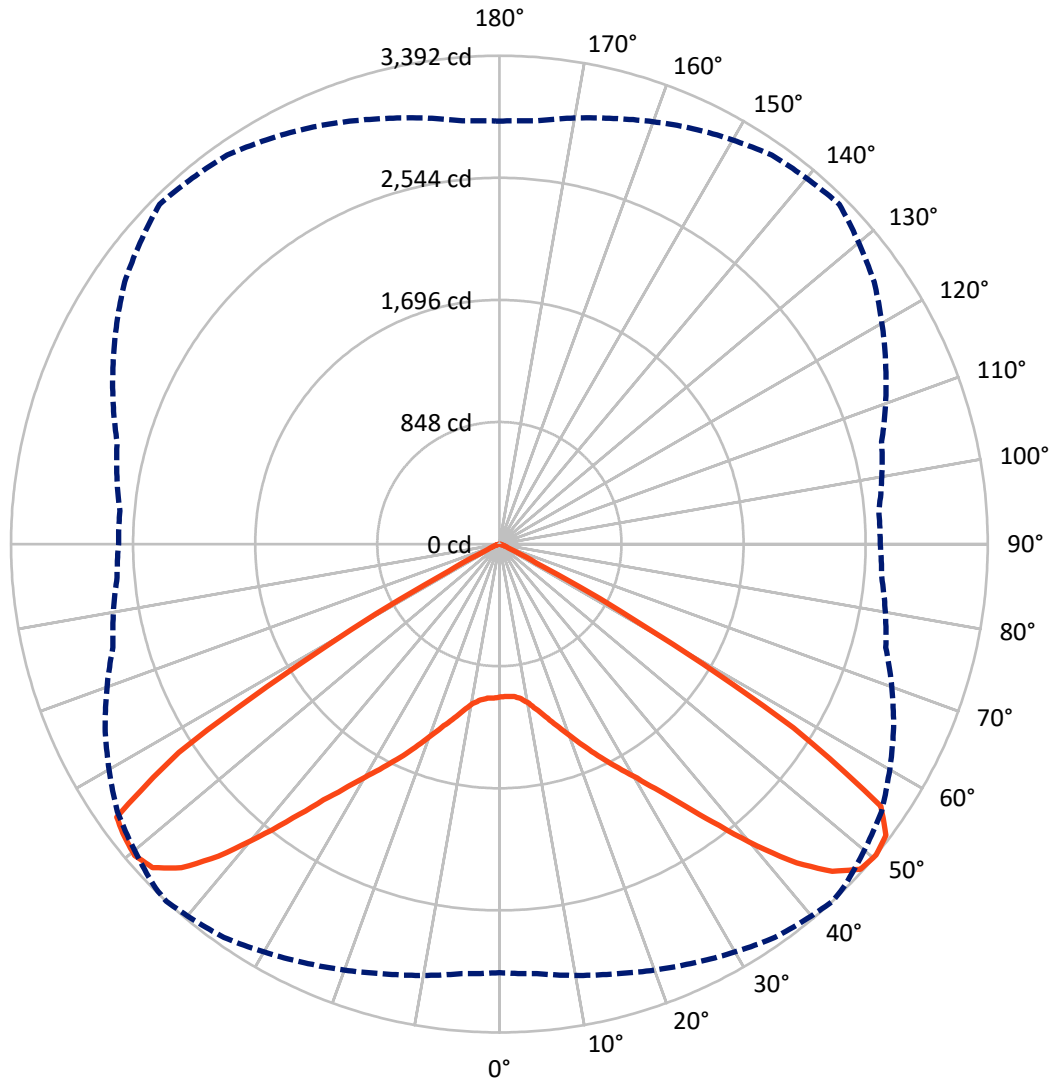
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 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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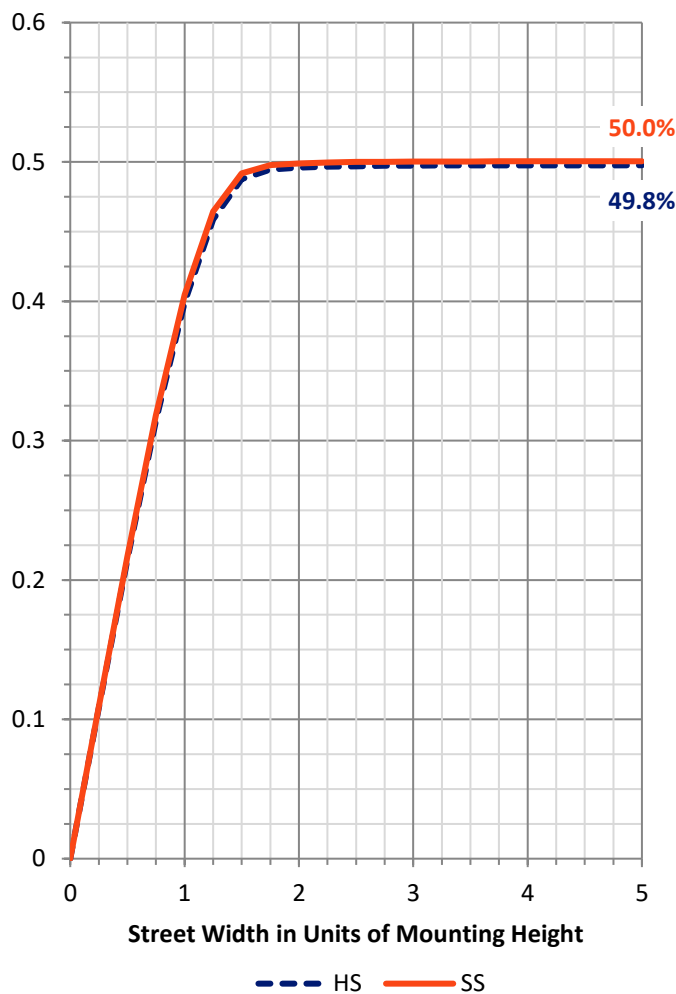
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3731.8	0.0	3731.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3732.0	0.0	3732.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7463.8	0.0	7463.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	1.4
10°-20°	359.8	4.8
20°-30°	727.9	9.8
30°-40°	1350.4	18.1
40°-50°	2241.7	30.0
50°-60°	2287.7	30.7
60°-70°	375.2	5.0
70°-80°	16.4	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°	7463.8	100.0
0°-180°	7463.8	100.0

Coefficient of Utilization



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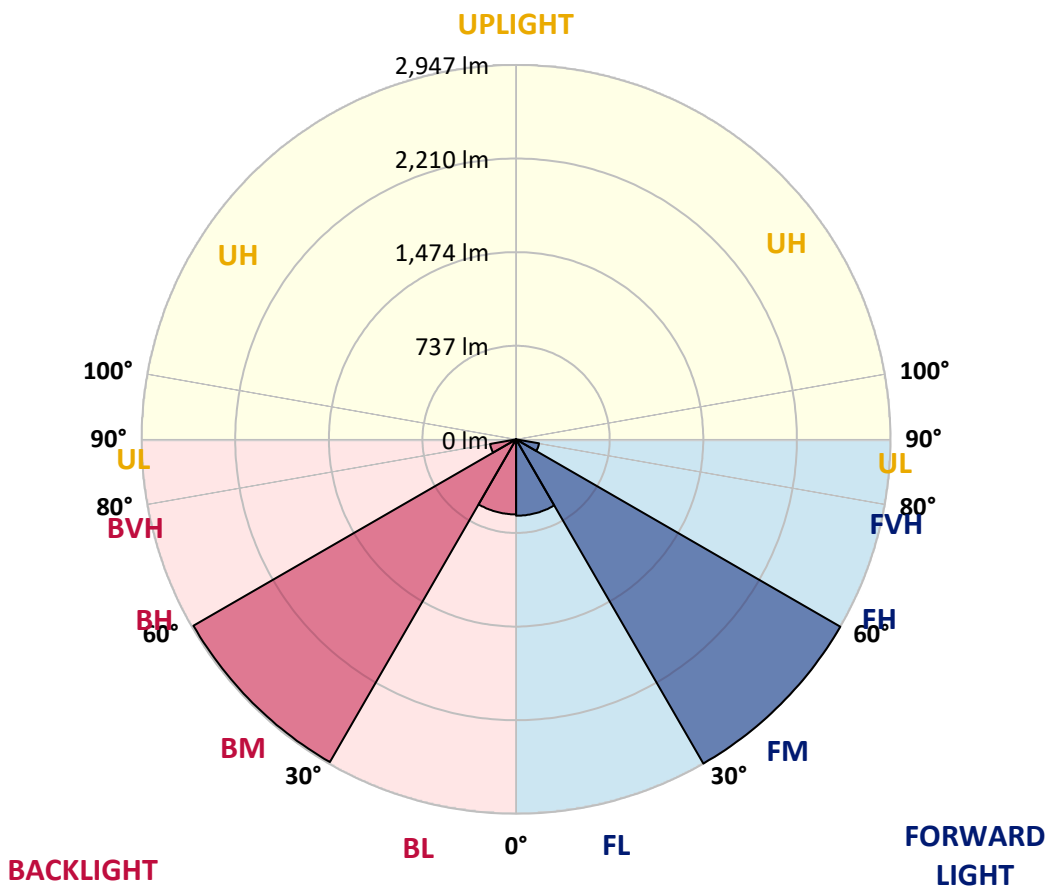
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.3	8.1			
FM (30°-60°)	2947.1	39.5			
FH (60°-80°)	183.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	590.9	7.9	B2/1000		
BM (30°-60°)	2932.7	39.3	B3/5000		
BH (60°-80°)	208.0	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°	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6
2.5°	1041.8	1044.3	1047.6	1050.9	1055.0	1059.1	1061.6	1069.0	1067.4	1074.0	1074.0
5°	1030.2	1032.7	1036.8	1044.3	1053.4	1062.4	1069.0	1083.9	1092.2	1105.4	1110.3
7.5°	1036.0	1039.3	1044.3	1055.8	1069.9	1083.9	1091.3	1115.3	1131.8	1156.5	1170.6
10°	1055.0	1058.3	1066.6	1086.4	1104.5	1124.3	1133.4	1164.0	1190.4	1224.2	1244.0
12.5°	1076.5	1080.6	1097.1	1126.8	1158.2	1184.6	1197.0	1230.8	1258.1	1296.1	1327.4
15°	1098.8	1105.4	1131.0	1174.7	1219.3	1254.8	1268.0	1304.3	1331.5	1372.0	1407.5
17.5°	1150.8	1158.2	1187.1	1234.1	1295.2	1336.5	1348.1	1386.0	1406.7	1433.9	1471.1
20°	1216.0	1230.0	1265.5	1322.5	1389.3	1429.0	1437.2	1474.4	1472.7	1484.3	1516.5
22.5°	1296.9	1306.8	1345.6	1413.3	1488.4	1532.1	1551.1	1566.8	1546.2	1536.3	1556.9
25°	1381.1	1392.6	1434.7	1509.0	1593.2	1643.6	1659.3	1671.7	1638.6	1601.5	1604.0
27.5°	1490.0	1498.3	1539.6	1618.8	1703.0	1760.0	1774.0	1795.5	1751.7	1692.3	1675.8
30°	1619.7	1627.9	1671.7	1755.0	1838.4	1887.1	1908.6	1935.0	1887.1	1812.8	1793.8
32.5°	1771.5	1779.8	1835.9	1921.8	1990.3	2043.1	2063.8	2091.8	2053.9	1970.5	1949.0
35°	1953.2	1958.1	2024.2	2117.4	2190.1	2241.3	2255.3	2288.3	2246.2	2162.8	2151.3
37.5°	2163.7	2169.4	2241.3	2349.4	2423.7	2480.7	2503.0	2512.0	2460.8	2367.6	2358.5
40°	2394.8	2413.8	2484.0	2600.4	2683.7	2755.6	2775.4	2744.8	2673.0	2545.9	2529.4
42.5°	2635.9	2652.4	2730.8	2857.1	2953.7	3027.1	3028.0	2961.9	2839.8	2663.9	2639.2
45°	2836.5	2843.1	2944.6	3071.7	3190.6	3242.6	3247.6	3127.9	2943.8	2732.4	2679.6
47.5°	2974.3	2985.0	3073.4	3195.6	3326.8	3373.9	3364.0	3214.5	2993.3	2777.0	2689.5
50°	2976.0	2994.1	3089.9	3207.9	3335.1	3392.0	3378.0	3239.3	3021.4	2778.7	2665.6
52.5°	2712.6	2742.3	2898.4	3069.3	3264.1	3361.5	3364.8	3271.5	3010.6	2752.3	2644.1
55°	2046.4	2078.6	2275.1	2566.5	2942.9	3214.5	3261.6	3233.5	2998.3	2763.8	2682.1
57.5°	1083.1	1058.3	1167.3	1456.2	1929.2	2409.7	2547.5	2772.1	2860.4	2777.8	2752.3
60°	236.1	251.8	335.2	451.6	752.9	1133.4	1268.0	1652.7	2110.0	2313.1	2460.0
62.5°	101.5	99.9	104.0	118.0	172.5	287.3	350.8	572.9	903.9	1241.6	1470.2
65°	83.4	84.2	87.5	87.5	81.7	82.6	86.7	131.3	211.3	296.4	397.9
67.5°	62.7	63.6	69.3	71.0	66.9	59.4	58.6	49.5	52.0	65.2	67.7
70°	39.6	39.6	42.9	44.6	44.6	41.3	40.5	35.5	34.7	39.6	44.6
72.5°	21.5	21.5	23.1	23.9	23.1	22.3	22.3	21.5	20.6	23.9	30.5
75°	9.1	9.1	9.9	9.9	9.1	9.1	9.1	9.1	9.1	10.7	16.5
77.5°	1.7	2.5	3.3	2.5	1.7	1.7	1.7	2.5	2.5	3.3	5.0
80°	0.8	0.8	1.7	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°	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6
2.5°	1079.8	1070.7	1074.0	1075.6	1073.2	1071.5	1062.4	1060.0	1055.8	1049.2	1047.6
5°	1116.1	1108.7	1107.8	1102.9	1091.3	1077.3	1060.0	1052.5	1044.3	1036.0	1034.4
7.5°	1177.2	1168.1	1162.3	1145.8	1119.4	1097.1	1068.2	1052.5	1041.8	1031.1	1028.6
10°	1255.6	1244.9	1228.4	1197.8	1162.3	1130.1	1096.3	1075.6	1059.1	1044.3	1043.4
12.5°	1339.0	1327.4	1297.7	1258.9	1216.0	1186.3	1143.3	1114.4	1089.7	1067.4	1064.9
15°	1426.5	1412.4	1372.0	1325.8	1286.1	1255.6	1208.5	1162.3	1124.3	1092.2	1088.8
17.5°	1493.3	1476.0	1428.1	1393.5	1361.3	1329.9	1277.1	1216.0	1165.6	1126.8	1117.7
20°	1535.5	1518.9	1473.5	1454.6	1439.7	1417.4	1354.7	1291.1	1235.0	1187.1	1178.8
22.5°	1575.9	1556.1	1516.5	1516.5	1528.0	1518.9	1451.2	1378.6	1312.6	1257.3	1244.9
25°	1621.3	1605.6	1577.6	1600.7	1629.6	1628.7	1559.4	1468.6	1392.6	1330.7	1318.3
27.5°	1687.3	1671.7	1661.8	1705.5	1741.8	1739.4	1663.4	1565.2	1485.1	1424.0	1412.4
30°	1803.7	1788.9	1778.2	1831.0	1877.2	1859.9	1776.5	1681.6	1600.7	1531.3	1523.1
32.5°	1958.9	1943.3	1929.2	1982.1	2023.3	2001.0	1921.8	1832.6	1739.4	1671.7	1655.2
35°	2162.8	2129.8	2115.8	2178.5	2195.9	2171.1	2095.1	2016.7	1917.7	1840.1	1829.3
37.5°	2373.3	2334.5	2324.6	2379.1	2407.2	2398.1	2309.0	2227.2	2119.9	2034.1	2021.7
40°	2553.3	2517.8	2500.5	2585.5	2649.1	2654.8	2574.8	2474.9	2348.6	2259.4	2237.1
42.5°	2659.0	2628.4	2624.3	2756.4	2860.4	2934.7	2838.9	2735.7	2602.8	2502.1	2484.0
45°	2682.9	2663.1	2697.8	2871.1	3032.9	3168.3	3086.6	2977.6	2834.0	2727.5	2710.2
47.5°	2680.4	2673.8	2735.7	2930.6	3135.3	3302.0	3261.6	3138.6	2999.9	2888.5	2872.0
50°	2644.9	2645.8	2749.0	2960.3	3176.6	3338.4	3297.9	3184.0	3060.2	2950.4	2937.2
52.5°	2630.9	2626.0	2724.2	2951.2	3218.7	3321.9	3231.1	3103.1	2965.2	2829.9	2810.0
55°	2680.4	2668.1	2727.5	2943.8	3223.6	3312.8	3073.4	2796.0	2513.7	2353.5	2340.3
57.5°	2754.7	2741.5	2769.6	2889.3	2965.2	2754.7	2261.9	1814.5	1523.9	1400.9	1347.2
60°	2460.0	2450.9	2429.5	2285.0	1959.8	1478.5	1007.1	642.2	461.5	373.1	373.1
62.5°	1526.4	1514.0	1397.6	1038.5	754.5	436.7	240.2	150.2	113.9	106.5	105.7
65°	428.4	426.0	352.5	249.3	158.5	98.2	86.7	88.3	86.7	84.2	83.4
67.5°	64.4	71.0	71.0	57.8	55.3	61.9	72.6	77.6	73.5	69.3	67.7
70°	41.3	44.6	42.9	37.1	39.6	46.2	52.0	52.8	50.4	46.2	45.4
72.5°	28.9	32.2	26.4	23.9	24.8	27.2	29.7	29.7	28.9	27.2	25.6
75°	17.3	17.3	12.4	11.6	11.6	12.4	12.4	14.0	14.0	13.2	12.4
77.5°	5.8	6.6	4.1	3.3	3.3	3.3	4.1	5.0	5.0	4.1	3.3
80°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	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)