

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: P634286

Luminaire Tested: GWS-SA3B-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634286
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-SA3B-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6741.4 lumens
Efficiency: N/A
Efficacy: 98.7 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

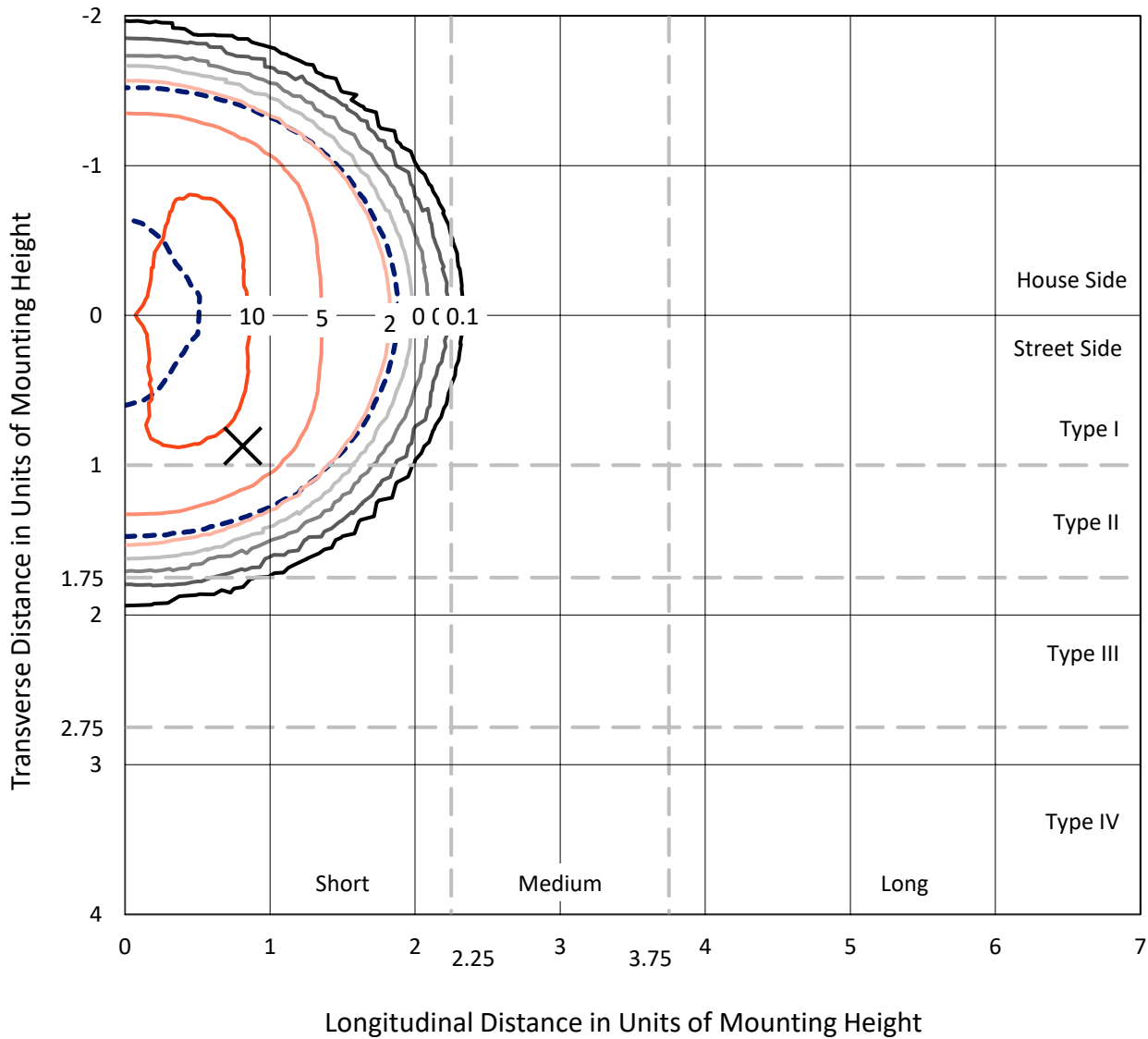
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

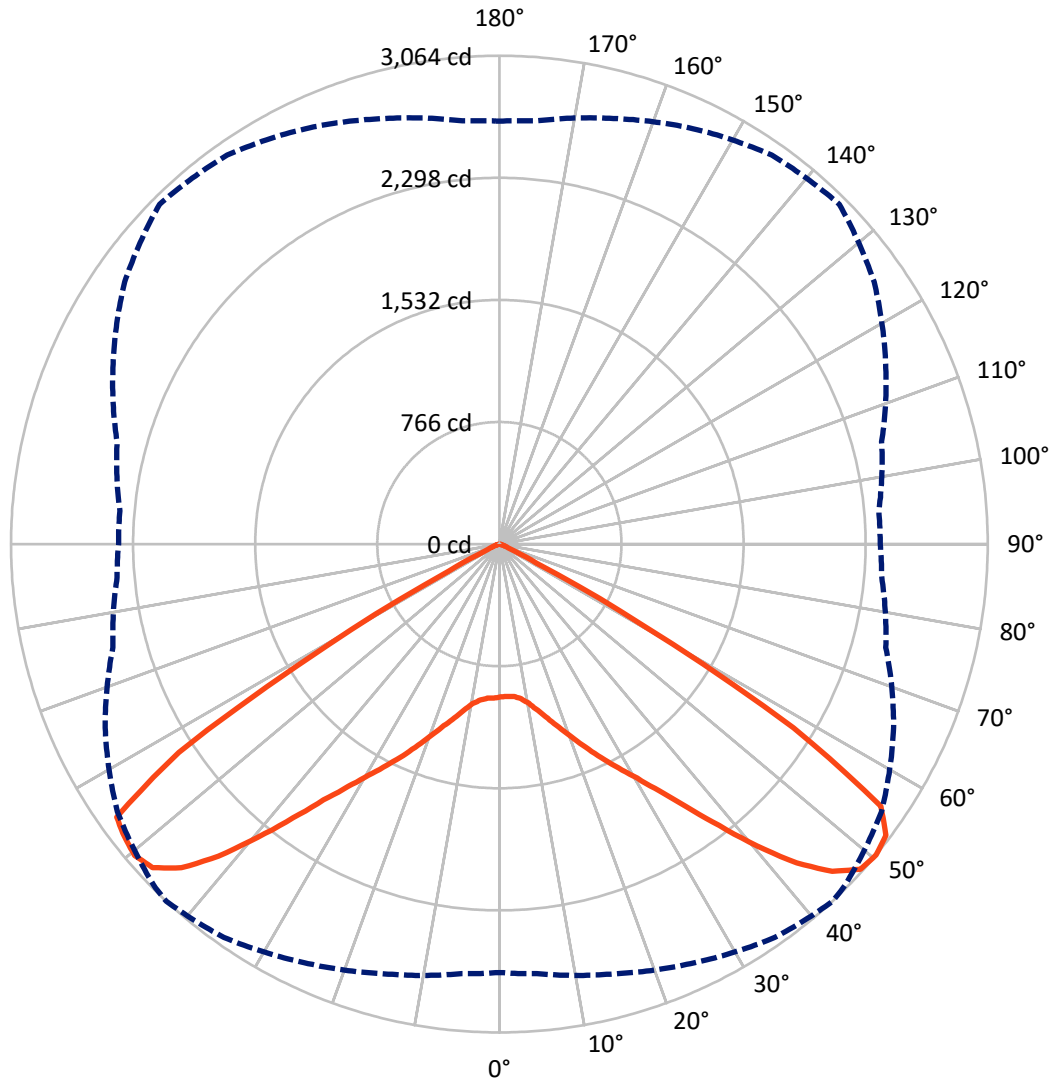
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 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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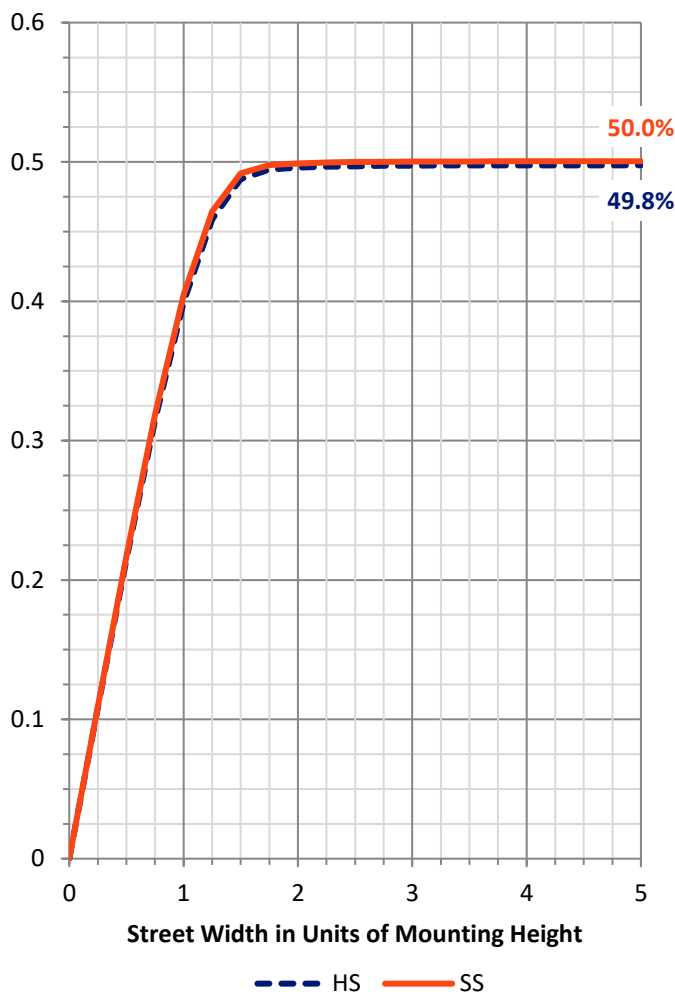
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3370.6	0.0	3370.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3370.8	0.0	3370.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6741.4	0.0	6741.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.4
10°-20°	324.9	4.8
20°-30°	657.4	9.8
30°-40°	1219.7	18.1
40°-50°	2024.7	30.0
50°-60°	2066.3	30.7
60°-70°	338.8	5.0
70°-80°	14.8	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°	6741.4	100.0
0°-180°	6741.4	100.0

Coefficient of Utilization



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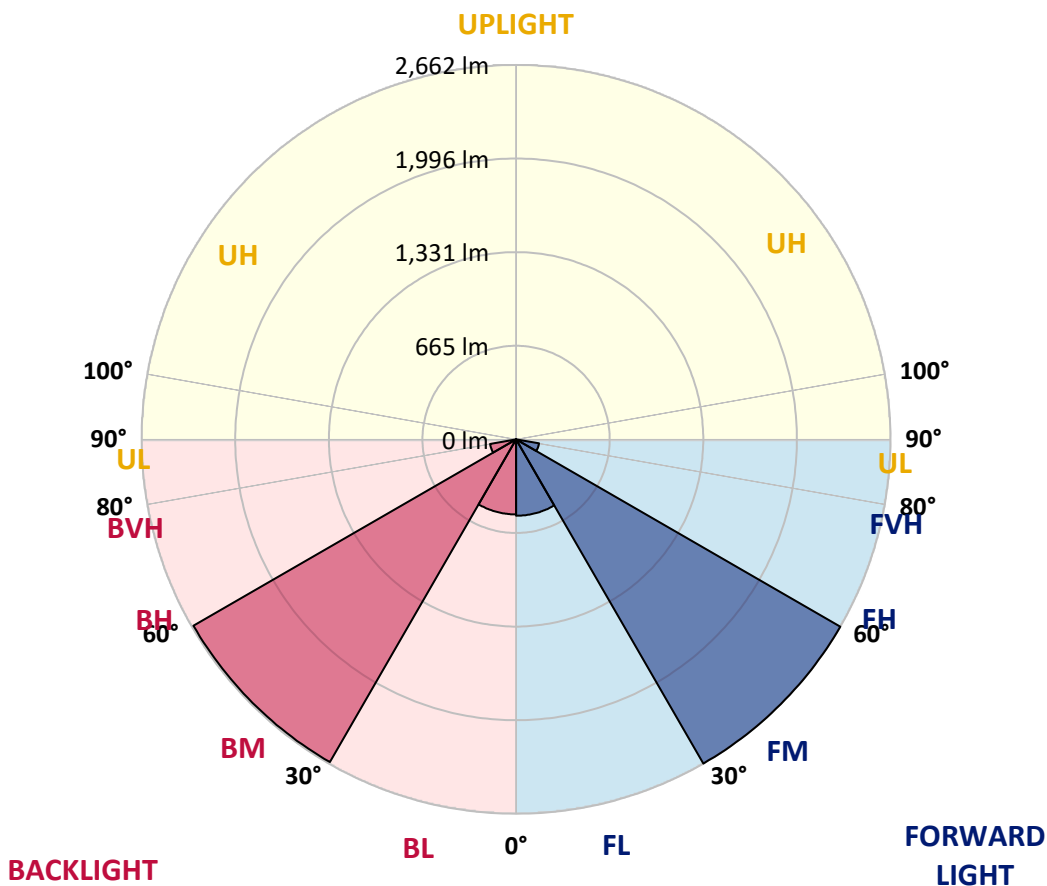
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.1	8.1			
FM (30°-60°)	2661.8	39.5			
FH (60°-80°)	165.8	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	533.7	7.9	B2/1000		
BM (30°-60°)	2648.9	39.3	B3/5000		
BH (60°-80°)	187.9	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°	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9
2.5°	941.0	943.2	946.2	949.2	952.9	956.6	958.9	965.6	964.1	970.0	970.0
5°	930.5	932.8	936.5	943.2	951.4	959.6	965.6	979.0	986.4	998.4	1002.8
7.5°	935.7	938.7	943.2	953.6	966.3	979.0	985.7	1007.3	1022.2	1044.6	1057.3
10°	952.9	955.9	963.3	981.2	997.6	1015.5	1023.7	1051.3	1075.2	1105.7	1123.6
12.5°	972.3	976.0	990.9	1017.8	1046.1	1070.0	1081.1	1111.7	1136.3	1170.6	1198.9
15°	992.4	998.4	1021.5	1061.0	1101.3	1133.3	1145.3	1178.1	1202.7	1239.2	1271.3
17.5°	1039.4	1046.1	1072.2	1114.7	1169.9	1207.1	1217.6	1251.9	1270.5	1295.1	1328.7
20°	1098.3	1111.0	1143.0	1194.5	1254.9	1290.7	1298.1	1331.7	1330.2	1340.6	1369.7
22.5°	1171.4	1180.3	1215.3	1276.5	1344.3	1383.9	1401.0	1415.2	1396.5	1387.6	1406.2
25°	1247.4	1257.8	1295.9	1363.0	1439.0	1484.5	1498.7	1509.9	1480.0	1446.5	1448.7
27.5°	1345.8	1353.3	1390.6	1462.1	1538.2	1589.6	1602.3	1621.7	1582.2	1528.5	1513.6
30°	1462.9	1470.3	1509.9	1585.2	1660.5	1704.5	1723.9	1747.7	1704.5	1637.4	1620.2
32.5°	1600.1	1607.5	1658.2	1735.8	1797.7	1845.4	1864.0	1889.4	1855.1	1779.8	1760.4
35°	1764.1	1768.6	1828.2	1912.5	1978.1	2024.3	2037.0	2066.8	2028.8	1953.5	1943.1
37.5°	1954.3	1959.5	2024.3	2122.0	2189.1	2240.6	2260.7	2268.9	2222.7	2138.4	2130.2
40°	2163.0	2180.2	2243.5	2348.7	2424.0	2488.9	2506.7	2479.2	2414.3	2299.5	2284.6
42.5°	2380.7	2395.7	2466.5	2580.6	2667.8	2734.2	2734.9	2675.3	2564.9	2406.1	2383.7
45°	2561.9	2567.9	2659.6	2774.4	2881.8	2928.8	2933.2	2825.1	2658.9	2468.0	2420.3
47.5°	2686.4	2696.1	2775.9	2886.3	3004.8	3047.3	3038.4	2903.4	2703.6	2508.2	2429.2
50°	2687.9	2704.3	2790.8	2897.4	3012.3	3063.7	3051.0	2925.8	2728.9	2509.7	2407.6
52.5°	2450.1	2476.9	2617.8	2772.2	2948.2	3036.1	3039.1	2954.9	2719.2	2485.9	2388.2
55°	1848.4	1877.5	2054.9	2318.1	2658.1	2903.4	2945.9	2920.6	2708.1	2496.3	2422.5
57.5°	978.2	955.9	1054.3	1315.3	1742.5	2176.4	2301.0	2503.8	2583.5	2509.0	2485.9
60°	213.2	227.4	302.7	407.8	680.0	1023.7	1145.3	1492.7	1905.8	2089.2	2221.9
62.5°	91.7	90.2	93.9	106.6	155.8	259.5	316.9	517.5	816.4	1121.4	1327.9
65°	75.3	76.1	79.0	79.0	73.8	74.6	78.3	118.6	190.9	267.7	359.4
67.5°	56.7	57.4	62.6	64.1	60.4	53.7	52.9	44.7	47.0	58.9	61.1
70°	35.8	35.8	38.8	40.3	40.3	37.3	36.5	32.1	31.3	35.8	40.3
72.5°	19.4	19.4	20.9	21.6	20.9	20.1	20.1	19.4	18.6	21.6	27.6
75°	8.2	8.2	8.9	8.9	8.2	8.2	8.2	8.2	8.2	9.7	14.9
77.5°	1.5	2.2	3.0	2.2	1.5	1.5	1.5	2.2	2.2	3.0	4.5
80°	0.7	0.7	1.5	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9	958.9
2.5°	975.3	967.1	970.0	971.5	969.3	967.8	959.6	957.4	953.6	947.7	946.2
5°	1008.1	1001.4	1000.6	996.1	985.7	973.0	957.4	950.7	943.2	935.7	934.3
7.5°	1063.2	1055.0	1049.8	1034.9	1011.1	990.9	964.8	950.7	941.0	931.3	929.0
10°	1134.1	1124.4	1109.5	1081.9	1049.8	1020.7	990.2	971.5	956.6	943.2	942.5
12.5°	1209.4	1198.9	1172.1	1137.1	1098.3	1071.4	1032.7	1006.6	984.2	964.1	961.8
15°	1288.4	1275.7	1239.2	1197.5	1161.7	1134.1	1091.6	1049.8	1015.5	986.4	983.5
17.5°	1348.8	1333.2	1289.9	1258.6	1229.5	1201.2	1153.5	1098.3	1052.8	1017.8	1009.6
20°	1386.8	1371.9	1330.9	1313.8	1300.3	1280.2	1223.5	1166.1	1115.4	1072.2	1064.7
22.5°	1423.4	1405.5	1369.7	1369.7	1380.1	1371.9	1310.8	1245.2	1185.5	1135.6	1124.4
25°	1464.4	1450.2	1424.9	1445.7	1471.8	1471.1	1408.5	1326.4	1257.8	1201.9	1190.7
27.5°	1524.0	1509.9	1500.9	1540.4	1573.2	1571.0	1502.4	1413.7	1341.4	1286.2	1275.7
30°	1629.2	1615.7	1606.0	1653.8	1695.5	1679.9	1604.6	1518.8	1445.7	1383.1	1375.7
32.5°	1769.3	1755.2	1742.5	1790.2	1827.5	1807.4	1735.8	1655.3	1571.0	1509.9	1495.0
35°	1953.5	1923.7	1911.0	1967.7	1983.3	1961.0	1892.4	1821.5	1732.1	1662.0	1652.3
37.5°	2143.6	2108.6	2099.6	2148.9	2174.2	2166.0	2085.5	2011.7	1914.7	1837.2	1826.0
40°	2306.2	2274.1	2258.5	2335.3	2392.7	2397.9	2325.6	2235.3	2121.3	2040.7	2020.6
42.5°	2401.6	2374.0	2370.3	2489.6	2583.5	2650.7	2564.2	2471.0	2350.9	2260.0	2243.5
45°	2423.2	2405.3	2436.7	2593.2	2739.4	2861.7	2787.8	2689.4	2559.7	2463.5	2447.8
47.5°	2421.0	2415.0	2471.0	2646.9	2831.8	2982.4	2945.9	2834.8	2709.6	2608.9	2594.0
50°	2388.9	2389.7	2482.9	2673.8	2869.1	3015.3	2978.7	2875.8	2764.0	2664.8	2652.9
52.5°	2376.3	2371.8	2460.5	2665.6	2907.1	3000.3	2918.3	2802.8	2678.2	2556.0	2538.1
55°	2421.0	2409.8	2463.5	2658.9	2911.6	2992.1	2775.9	2525.4	2270.4	2125.7	2113.8
57.5°	2488.1	2476.2	2501.5	2609.6	2678.2	2488.1	2043.0	1638.9	1376.4	1265.3	1216.8
60°	2221.9	2213.7	2194.3	2063.9	1770.1	1335.4	909.6	580.1	416.8	337.0	337.0
62.5°	1378.6	1367.5	1262.3	938.0	681.5	394.4	217.0	135.7	102.9	96.2	95.4
65°	387.0	384.7	318.4	225.2	143.2	88.7	78.3	79.8	78.3	76.1	75.3
67.5°	58.2	64.1	64.1	52.2	50.0	55.9	65.6	70.1	66.4	62.6	61.1
70°	37.3	40.3	38.8	33.6	35.8	41.8	47.0	47.7	45.5	41.8	41.0
72.5°	26.1	29.1	23.9	21.6	22.4	24.6	26.8	26.8	26.1	24.6	23.1
75°	15.7	15.7	11.2	10.4	10.4	11.2	11.2	12.7	12.7	11.9	11.2
77.5°	5.2	6.0	3.7	3.0	3.0	3.0	3.7	4.5	4.5	3.7	3.0
80°	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)