

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: P634561

Luminaire Tested: GWS-SA3C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634561
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6659.6 lumens
Efficiency: N/A
Efficacy: 71.6 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

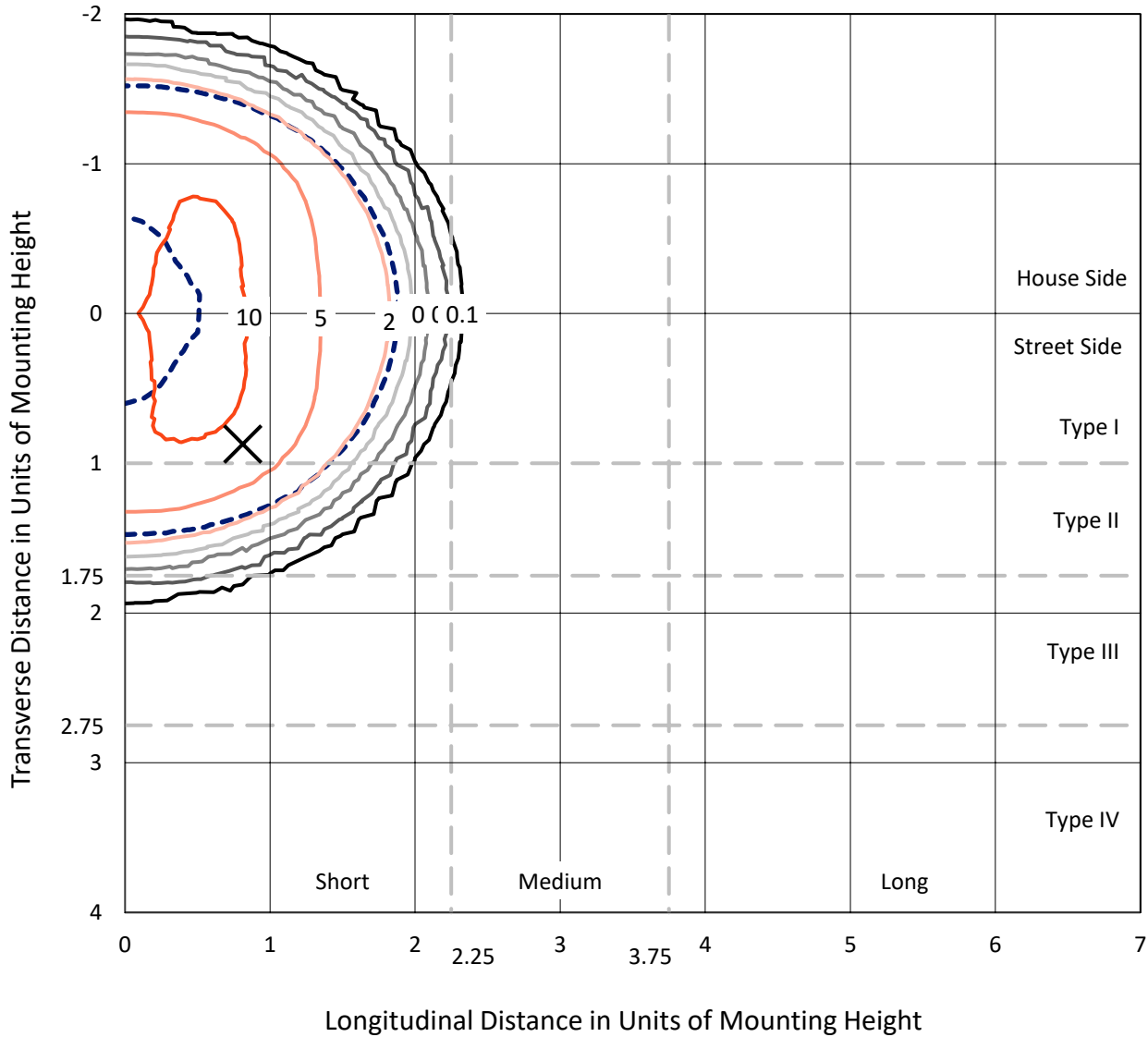
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634561
 CATALOG NUMBER: GWS-SA3C-722-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

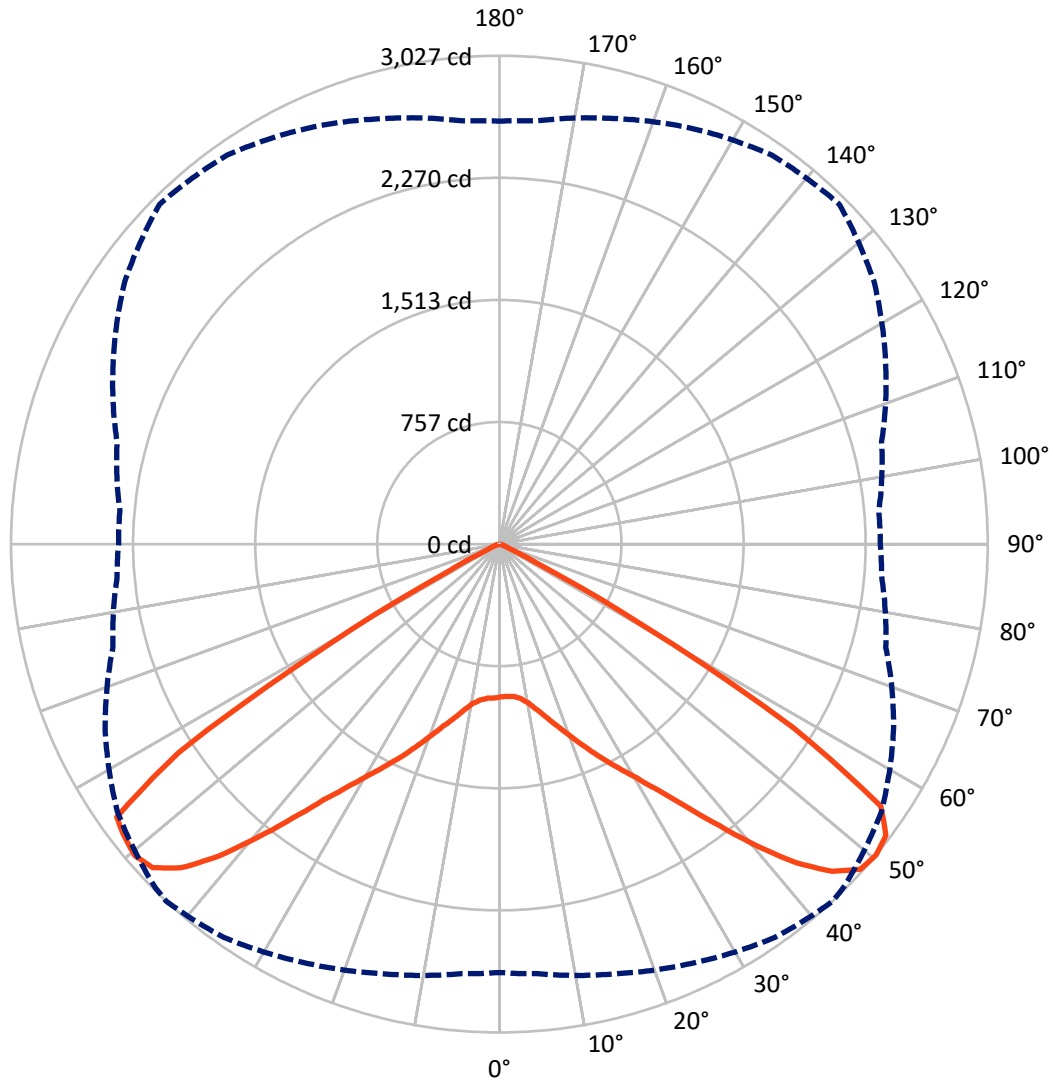
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type V - Short - N/A

REPORT NUMBER: P634561
CATALOG NUMBER: GWS-SA3C-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634561
 CATALOG NUMBER: GWS-SA3C-722-U-RW-W-GRSBK

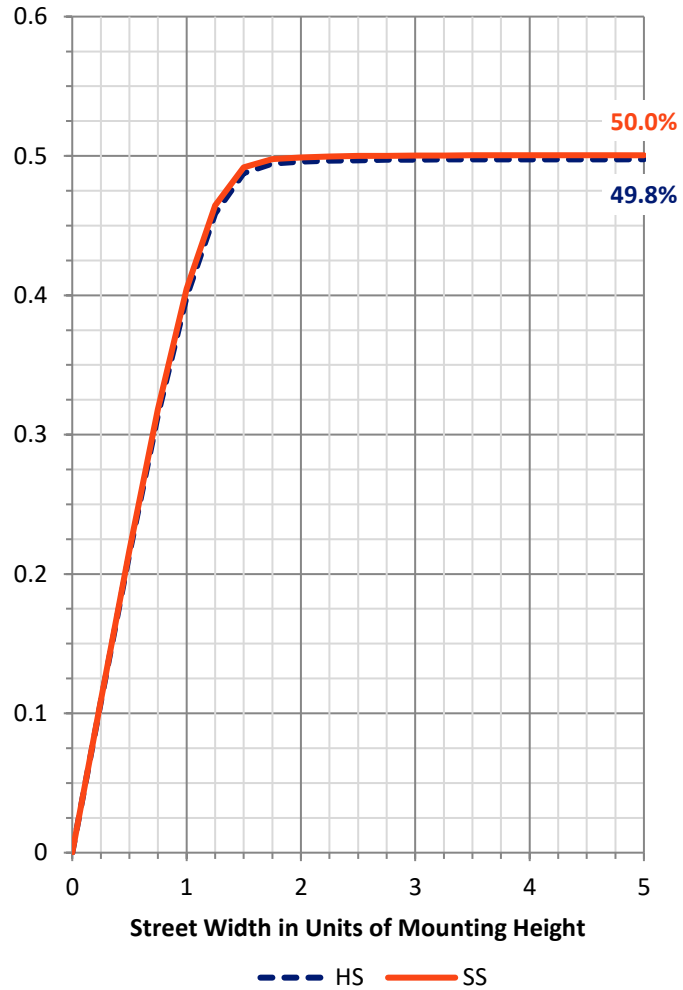
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3329.7	0.0	3329.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3329.9	0.0	3329.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6659.6	0.0	6659.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.4
10°-20°	321.0	4.8
20°-30°	649.4	9.8
30°-40°	1204.9	18.1
40°-50°	2000.1	30.0
50°-60°	2041.2	30.7
60°-70°	334.7	5.0
70°-80°	14.6	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°	6659.6	100.0
0°-180°	6659.6	100.0

Coefficient of Utilization



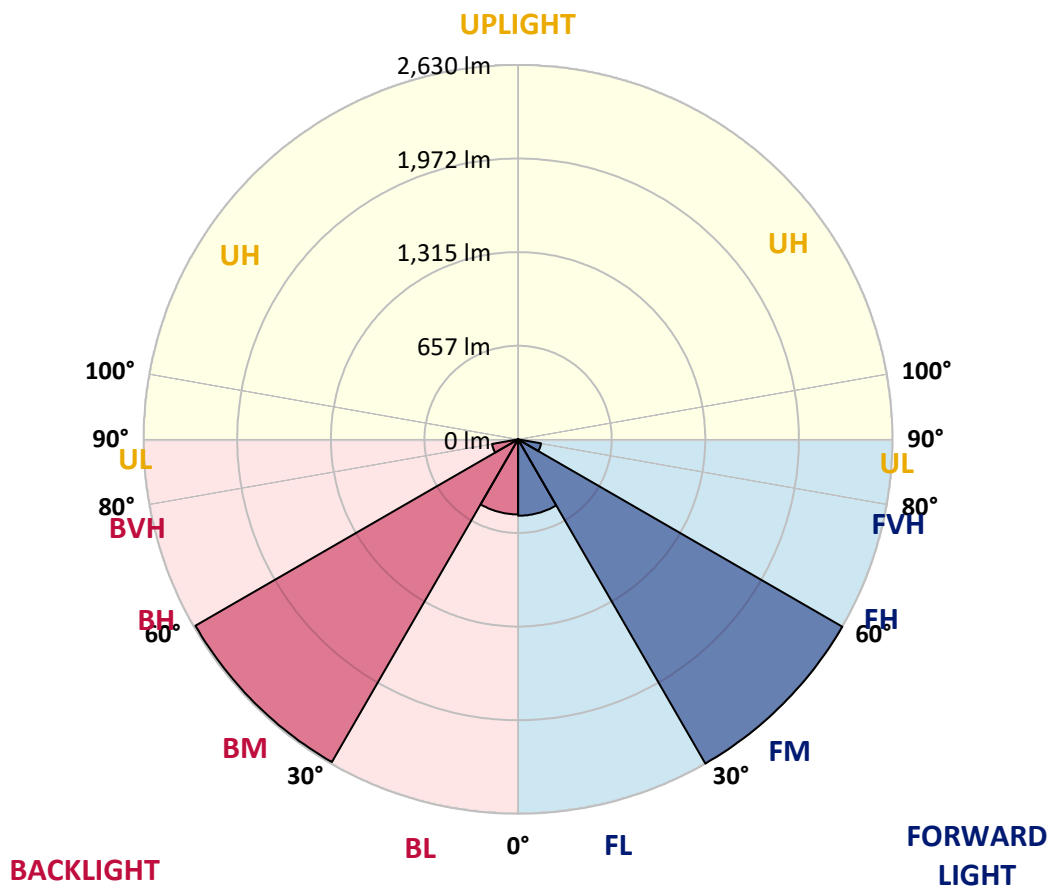
REPORT NUMBER: P634561

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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°)	536.5	8.1			
FM (30°-60°)	2629.5	39.5			
FH (60°-80°)	163.8	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	527.2	7.9	B2/1000		
BM (30°-60°)	2616.7	39.3	B3/5000		
BH (60°-80°)	185.6	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





REPORT NUMBER: P634561
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2
2.5°	929.5	931.8	934.7	937.6	941.3	945.0	947.2	953.9	952.4	958.3	958.3
5°	919.2	921.4	925.1	931.8	939.9	948.0	953.9	967.1	974.5	986.3	990.7
7.5°	924.4	927.3	931.8	942.1	954.6	967.1	973.7	995.1	1009.8	1031.9	1044.4
10°	941.3	944.3	951.6	969.3	985.5	1003.2	1011.3	1038.6	1062.1	1092.3	1110.0
12.5°	960.5	964.2	978.9	1005.4	1033.4	1057.0	1068.0	1098.2	1122.5	1156.4	1184.4
15°	980.4	986.3	1009.1	1048.1	1087.9	1119.6	1131.4	1163.8	1188.1	1224.2	1255.8
17.5°	1026.8	1033.4	1059.2	1101.2	1155.7	1192.5	1202.8	1236.7	1255.1	1279.4	1312.6
20°	1085.0	1097.5	1129.2	1180.0	1239.6	1275.0	1282.4	1315.5	1314.0	1324.3	1353.1
22.5°	1157.1	1166.0	1200.6	1261.0	1328.0	1367.1	1384.0	1398.0	1379.6	1370.7	1389.2
25°	1232.3	1242.6	1280.2	1346.4	1421.6	1466.5	1480.5	1491.5	1462.1	1428.9	1431.1
27.5°	1329.5	1336.9	1373.7	1444.4	1519.5	1570.4	1582.9	1602.0	1563.0	1510.0	1495.2
30°	1445.1	1452.5	1491.5	1565.9	1640.3	1683.8	1702.9	1726.5	1683.8	1617.5	1600.6
32.5°	1580.7	1588.0	1638.1	1714.7	1775.9	1823.0	1841.4	1866.5	1832.6	1758.2	1739.0
35°	1742.7	1747.1	1806.1	1889.3	1954.1	1999.8	2012.3	2041.8	2004.2	1929.8	1919.5
37.5°	1930.5	1935.7	1999.8	2096.3	2162.6	2213.4	2233.3	2241.4	2195.7	2112.5	2104.4
40°	2136.8	2153.7	2216.3	2320.2	2394.6	2458.7	2476.3	2449.1	2385.0	2271.6	2256.8
42.5°	2351.9	2366.6	2436.6	2549.3	2635.4	2701.0	2701.7	2642.8	2533.8	2376.9	2354.8
45°	2530.8	2536.7	2627.3	2740.8	2846.8	2893.2	2897.6	2790.8	2626.6	2438.0	2390.9
47.5°	2653.8	2663.4	2742.2	2851.2	2968.4	3010.3	3001.5	2868.2	2670.8	2477.8	2399.7
50°	2655.3	2671.5	2757.0	2862.3	2975.7	3026.5	3014.0	2890.3	2695.8	2479.3	2378.4
52.5°	2420.4	2446.9	2586.1	2738.5	2912.4	2999.3	3002.2	2919.0	2686.3	2455.7	2359.2
55°	1825.9	1854.7	2030.0	2290.0	2625.9	2868.2	2910.2	2885.1	2675.2	2466.0	2393.1
57.5°	966.4	944.3	1041.5	1299.3	1721.4	2150.0	2273.0	2473.4	2552.2	2478.5	2455.7
60°	210.7	224.7	299.0	402.9	671.7	1011.3	1131.4	1474.6	1882.7	2063.9	2195.0
62.5°	90.6	89.1	92.8	105.3	153.9	256.3	313.0	511.2	806.5	1107.8	1311.8
65°	74.4	75.1	78.1	78.1	72.9	73.7	77.3	117.1	188.6	264.4	355.0
67.5°	56.0	56.7	61.9	63.3	59.7	53.0	52.3	44.2	46.4	58.2	60.4
70°	35.4	35.4	38.3	39.8	39.8	36.8	36.1	31.7	30.9	35.4	39.8
72.5°	19.2	19.2	20.6	21.4	20.6	19.9	19.9	19.2	18.4	21.4	27.3
75°	8.1	8.1	8.8	8.8	8.1	8.1	8.1	8.1	8.1	9.6	14.7
77.5°	1.5	2.2	2.9	2.2	1.5	1.5	1.5	2.2	2.2	2.9	4.4
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



REPORT NUMBER: P634561

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2	947.2
2.5°	963.4	955.3	958.3	959.7	957.5	956.1	948.0	945.7	942.1	936.2	934.7
5°	995.8	989.2	988.5	984.1	973.7	961.2	945.7	939.1	931.8	924.4	922.9
7.5°	1050.3	1042.2	1037.1	1022.4	998.8	978.9	953.1	939.1	929.5	920.0	917.8
10°	1120.3	1110.7	1096.0	1068.8	1037.1	1008.4	978.2	959.7	945.0	931.8	931.0
12.5°	1194.7	1184.4	1157.9	1123.3	1085.0	1058.4	1020.1	994.4	972.3	952.4	950.2
15°	1272.8	1260.3	1224.2	1182.9	1147.6	1120.3	1078.3	1037.1	1003.2	974.5	971.5
17.5°	1332.4	1317.0	1274.3	1243.3	1214.6	1186.6	1139.5	1085.0	1040.0	1005.4	997.3
20°	1370.0	1355.3	1314.8	1297.8	1284.6	1264.7	1208.7	1152.0	1101.9	1059.2	1051.8
22.5°	1406.1	1388.4	1353.1	1353.1	1363.4	1355.3	1294.9	1230.1	1171.1	1121.8	1110.7
25°	1446.6	1432.6	1407.6	1428.2	1454.0	1453.2	1391.4	1310.3	1242.6	1187.3	1176.3
27.5°	1505.5	1491.5	1482.7	1521.7	1554.2	1551.9	1484.2	1396.5	1325.1	1270.6	1260.3
30°	1609.4	1596.1	1586.6	1633.7	1674.9	1659.5	1585.1	1500.4	1428.2	1366.3	1359.0
32.5°	1747.9	1733.9	1721.4	1768.5	1805.3	1785.4	1714.7	1635.2	1551.9	1491.5	1476.8
35°	1929.8	1900.3	1887.8	1943.8	1959.3	1937.2	1869.4	1799.4	1711.0	1641.8	1632.2
37.5°	2117.6	2083.0	2074.2	2122.8	2147.8	2139.7	2060.2	1987.3	1891.5	1814.9	1803.8
40°	2278.2	2246.5	2231.1	2306.9	2363.6	2368.8	2297.3	2208.2	2095.5	2016.0	1996.1
42.5°	2372.5	2345.2	2341.5	2459.4	2552.2	2618.5	2533.0	2441.0	2322.4	2232.5	2216.3
45°	2393.8	2376.2	2407.1	2561.8	2706.1	2826.9	2754.0	2656.8	2528.6	2433.6	2418.1
47.5°	2391.6	2385.7	2441.0	2614.8	2797.5	2946.3	2910.2	2800.4	2676.7	2577.2	2562.5
50°	2360.0	2360.7	2452.8	2641.3	2834.3	2978.7	2942.6	2840.9	2730.4	2632.5	2620.7
52.5°	2347.4	2343.0	2430.7	2633.2	2871.9	2963.9	2882.9	2768.7	2645.7	2524.9	2507.3
55°	2391.6	2380.6	2433.6	2626.6	2876.3	2955.8	2742.2	2494.7	2242.8	2099.9	2088.2
57.5°	2457.9	2446.1	2471.2	2578.0	2645.7	2457.9	2018.2	1619.0	1359.7	1250.0	1202.1
60°	2195.0	2186.9	2167.7	2038.8	1748.6	1319.2	898.6	573.0	411.7	332.9	332.9
62.5°	1361.9	1350.9	1247.0	926.6	673.2	389.6	214.3	134.1	101.6	95.0	94.3
65°	382.3	380.1	314.5	222.4	141.4	87.7	77.3	78.8	77.3	75.1	74.4
67.5°	57.5	63.3	63.3	51.6	49.3	55.2	64.8	69.2	65.6	61.9	60.4
70°	36.8	39.8	38.3	33.1	35.4	41.2	46.4	47.1	44.9	41.2	40.5
72.5°	25.8	28.7	23.6	21.4	22.1	24.3	26.5	26.5	25.8	24.3	22.8
75°	15.5	15.5	11.0	10.3	10.3	11.0	11.0	12.5	12.5	11.8	11.0
77.5°	5.2	5.9	3.7	2.9	2.9	2.9	3.7	4.4	4.4	3.7	2.9
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)