

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: P632897

Luminaire Tested: GWS-SA2D-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11841.4 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

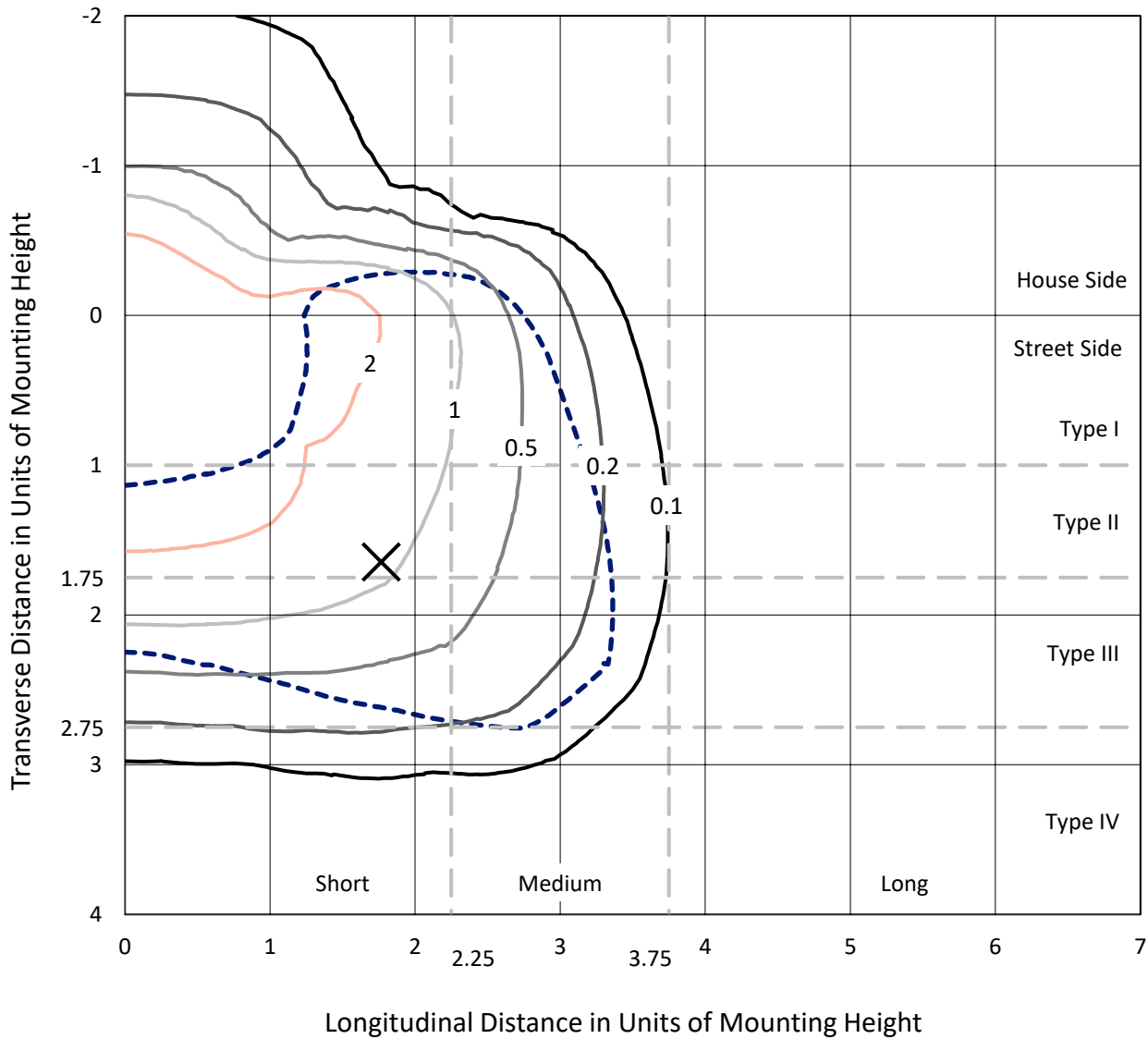
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

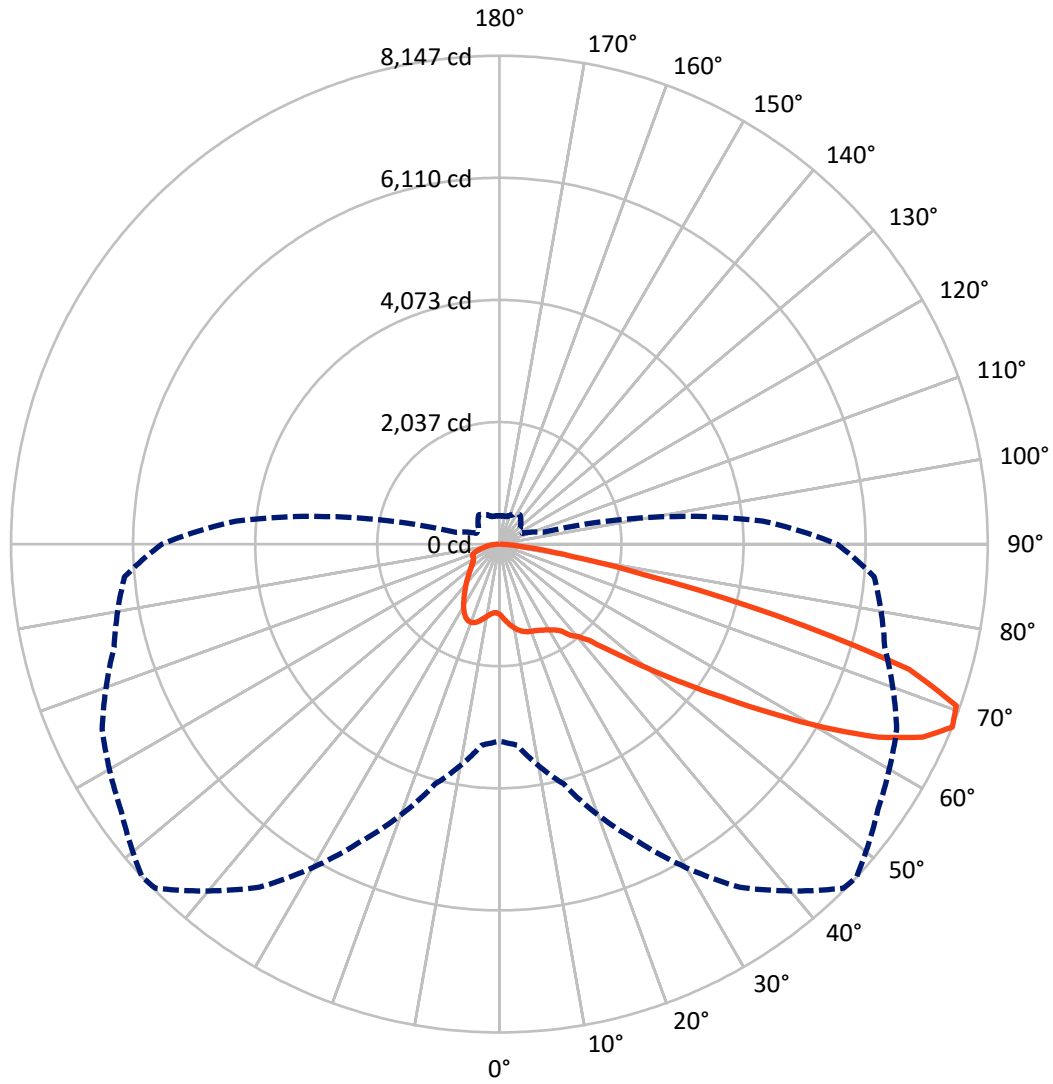
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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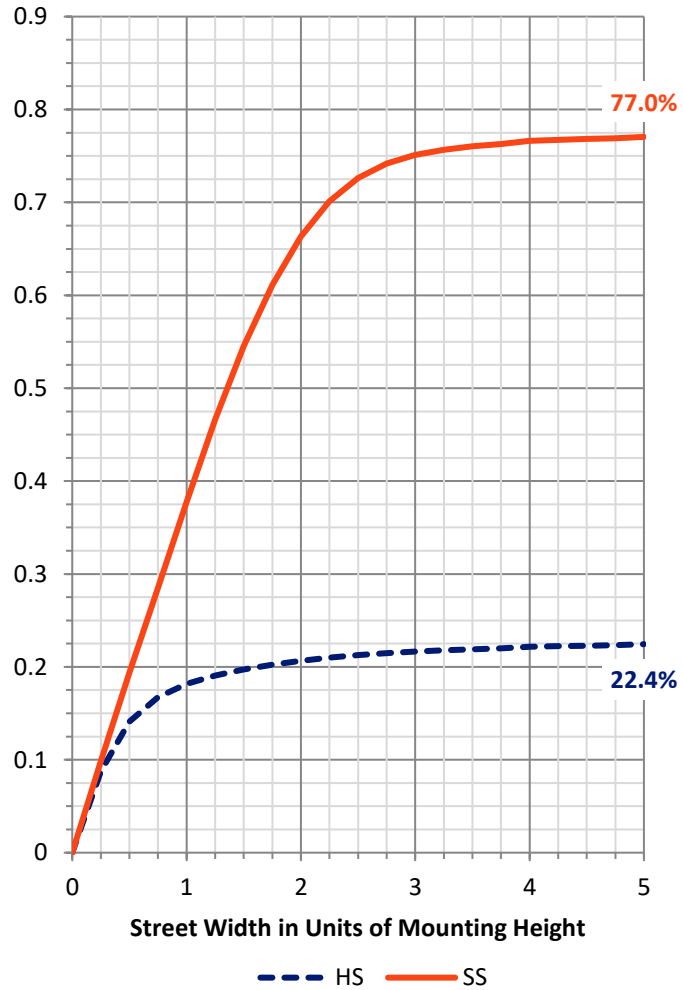
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2698.7	0.0	2698.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	9142.7	0.0	9142.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	11841.4	0.0	11841.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	1.0
10°-20°	399.7	3.4
20°-30°	679.4	5.7
30°-40°	995.2	8.4
40°-50°	1516.3	12.8
50°-60°	2713.0	22.9
60°-70°	3620.2	30.6
70°-80°	1637.2	13.8
80°-90°	160.4	1.4
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°	11841.4	100.0
0°-180°	11841.4	100.0

Coefficient of Utilization



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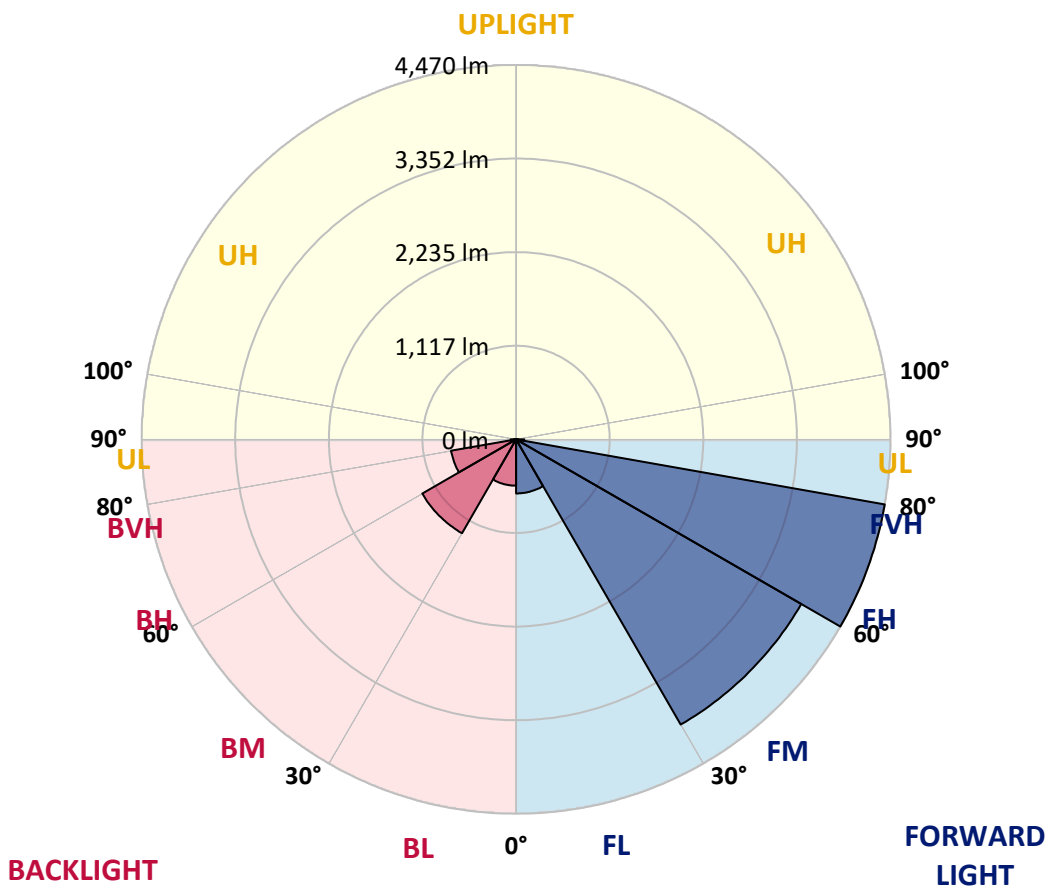
CATALOG NUMBER: GWS-SA2D-750-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	645.8	5.5			
FM (30°-60°)	3931.5	33.2			
FH (60°-80°)	4470.0	37.7			G2/5000
FVH (80°-90°)	95.4	0.8			G1/100
BL (0°-30°)	553.3	4.7	B2/1000		
BM (30°-60°)	1293.1	10.9	B2/2500		
BH (60°-80°)	787.4	6.6	B2/1000		G2/1000
BVH (80°-90°)	65.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9
2.5°	1251.8	1256.1	1255.2	1248.3	1244.1	1236.4	1237.2	1225.2	1207.2	1195.3	1181.6
5°	1362.2	1369.1	1360.5	1349.4	1332.3	1307.4	1304.9	1277.5	1243.2	1219.2	1194.4
7.5°	1458.1	1462.4	1452.1	1433.3	1408.5	1375.1	1369.1	1336.5	1293.7	1256.1	1220.1
10°	1532.6	1537.7	1524.0	1499.2	1466.7	1433.3	1429.0	1395.6	1350.2	1305.7	1260.3
12.5°	1596.0	1597.7	1583.1	1549.7	1514.6	1480.4	1476.1	1445.3	1403.3	1357.9	1308.3
15°	1632.8	1633.6	1615.7	1578.8	1545.5	1515.5	1512.9	1486.4	1447.8	1405.0	1351.9
17.5°	1630.2	1631.9	1619.1	1586.5	1557.4	1539.5	1536.9	1519.8	1489.8	1451.3	1398.2
20°	1598.5	1600.2	1591.7	1570.3	1554.9	1549.7	1550.6	1545.5	1527.5	1495.8	1441.8
22.5°	1573.7	1576.3	1568.6	1553.2	1551.4	1563.4	1566.0	1568.6	1560.0	1531.8	1479.5
25°	1585.7	1590.0	1578.0	1556.6	1560.0	1586.5	1591.7	1600.2	1593.4	1569.4	1524.0
27.5°	1668.7	1671.3	1640.5	1596.8	1586.5	1614.8	1622.5	1636.2	1631.1	1608.8	1573.7
30°	1861.4	1859.7	1793.8	1686.7	1643.9	1655.0	1661.0	1680.7	1682.4	1667.9	1634.5
32.5°	2132.8	2124.2	2022.4	1852.0	1727.8	1700.4	1707.3	1733.8	1753.5	1738.1	1692.7
35°	2419.6	2411.9	2299.8	2100.3	1882.8	1787.8	1780.1	1800.6	1830.6	1787.8	1722.7
37.5°	2692.8	2680.8	2566.0	2319.5	2073.7	1941.0	1929.9	1909.3	1891.4	1809.2	1759.5
40°	2995.9	2982.2	2882.0	2602.9	2284.4	2058.3	2030.1	1948.7	1932.5	1880.2	1855.4
42.5°	3319.5	3319.5	3236.5	2961.6	2538.6	2226.1	2189.3	2066.9	2084.0	2049.8	2020.6
45°	3643.2	3652.6	3586.6	3322.9	2878.6	2542.9	2483.9	2310.0	2351.1	2335.7	2321.2
47.5°	3918.9	3936.8	3924.0	3692.0	3294.7	2928.2	2838.3	2657.7	2745.9	2782.7	2823.8
50°	4216.0	4235.6	4222.8	4131.2	3781.9	3394.9	3314.4	3127.7	3279.3	3389.7	3524.1
52.5°	4656.9	4685.2	4578.1	4543.0	4373.5	3924.8	3852.9	3640.6	3915.4	4098.7	4398.3
55°	5029.3	5028.5	4990.8	5071.3	5008.8	4573.0	4493.4	4300.7	4651.8	4846.1	5284.5
57.5°	5202.3	5222.9	5352.1	5579.9	5704.9	5365.0	5288.8	5091.9	5442.0	5543.1	6016.6
60°	5291.3	5317.0	5567.0	6017.4	6353.9	6229.7	6199.8	5948.9	6145.8	6133.9	6633.9
62.5°	5166.3	5217.7	5619.3	6217.8	6817.1	7098.8	7089.4	6710.1	6744.3	6627.0	7016.6
65°	4592.7	4648.3	5278.5	6117.6	7081.7	7759.8	7762.4	7399.3	7204.1	6866.8	6952.4
67.5°	3284.4	3364.0	4143.2	5473.7	6988.3	8116.8	8146.8	7711.8	7312.0	6654.4	6277.7
70°	1790.3	1848.5	2459.0	3978.8	6147.6	8031.2	8086.9	7561.1	6835.9	5756.3	4832.4
72.5°	813.4	832.2	1143.9	2183.3	4199.7	6913.0	7145.9	6747.8	5614.1	4251.9	3072.9
75°	372.4	381.0	498.3	1044.6	2194.5	4626.1	4789.6	5025.9	3906.9	2685.1	1602.0
77.5°	233.7	236.3	283.4	477.8	1094.2	2309.2	2481.3	2992.4	2287.8	1328.8	669.6
80°	137.8	140.4	176.4	258.6	513.7	1056.6	1220.1	1183.3	1075.4	573.7	304.8
82.5°	69.4	71.9	101.9	147.3	280.0	420.4	494.9	497.5	400.7	310.8	172.1
85°	24.8	25.7	33.4	58.2	119.0	138.7	155.0	189.2	196.1	180.7	83.1
87.5°	0.0	0.0	0.9	1.7	3.4	13.7	14.6	27.4	57.4	64.2	33.4
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°	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9	1173.9
2.5°	1177.3	1164.4	1160.2	1155.9	1149.0	1146.5	1141.3	1136.2	1136.2	1131.0	1128.5
5°	1183.3	1166.2	1155.0	1149.9	1145.6	1148.2	1148.2	1149.9	1155.9	1152.5	1154.2
7.5°	1204.7	1185.0	1169.6	1165.3	1165.3	1175.6	1182.4	1191.0	1202.1	1203.8	1203.8
10°	1242.4	1219.2	1203.0	1200.4	1204.7	1219.2	1229.5	1239.8	1253.5	1254.3	1256.1
12.5°	1283.5	1260.3	1244.1	1247.5	1251.8	1270.6	1281.7	1290.3	1304.0	1304.0	1303.1
15°	1326.3	1300.6	1286.9	1293.7	1306.6	1328.0	1329.7	1330.5	1337.4	1335.7	1334.8
17.5°	1370.8	1343.4	1333.1	1343.4	1357.1	1367.4	1358.8	1346.8	1344.2	1340.8	1339.1
20°	1414.5	1386.2	1381.9	1389.6	1393.9	1385.3	1358.8	1336.5	1326.3	1321.1	1319.4
22.5°	1452.1	1428.2	1425.6	1425.6	1404.2	1374.2	1334.8	1304.9	1291.2	1284.3	1282.6
25°	1496.6	1474.4	1470.1	1447.0	1392.2	1337.4	1284.3	1256.9	1245.8	1242.4	1243.2
27.5°	1548.9	1533.5	1519.8	1453.8	1357.9	1272.3	1212.4	1200.4	1196.1	1200.4	1203.0
30°	1613.1	1597.7	1566.9	1445.3	1303.1	1187.6	1130.2	1129.3	1142.2	1153.3	1155.0
32.5°	1665.3	1658.5	1608.0	1417.9	1226.1	1094.2	1045.4	1048.9	1072.0	1087.4	1089.9
35°	1706.4	1717.5	1642.2	1372.5	1134.5	1006.0	967.5	969.2	982.1	1003.5	1004.3
37.5°	1764.6	1802.3	1673.0	1303.1	1029.2	929.8	894.7	881.9	880.2	886.2	887.9
40°	1881.9	1938.4	1695.3	1202.1	927.3	861.3	822.0	797.1	775.7	759.5	754.3
42.5°	2059.2	2124.2	1708.1	1079.7	836.5	793.7	749.2	717.5	679.8	645.6	633.6
45°	2384.5	2405.9	1708.1	949.5	756.0	730.3	685.8	648.1	600.2	560.0	551.4
47.5°	2905.1	2836.6	1709.8	823.7	685.0	674.7	636.2	593.4	540.3	506.9	501.7
50°	3689.4	3448.8	1744.9	719.2	625.9	627.6	599.3	552.3	504.3	479.5	475.2
52.5°	4578.1	4203.1	1839.1	642.2	576.2	589.1	573.7	528.3	485.5	464.1	459.8
55°	5413.8	4896.6	1919.6	587.4	534.3	556.5	555.7	513.7	475.2	453.8	451.2
57.5°	6124.4	5371.8	1907.6	542.8	498.3	526.6	539.4	504.3	468.3	450.4	447.8
60°	6566.2	5623.6	1737.2	501.7	470.9	505.2	530.0	501.7	471.8	467.5	468.3
62.5°	6758.0	5577.3	1410.2	470.9	452.9	494.9	540.3	519.7	503.4	513.7	519.7
65°	6460.1	5180.0	1037.7	447.8	435.8	497.5	564.2	548.0	503.4	510.3	512.9
67.5°	5633.0	4409.5	750.0	424.7	414.4	505.2	598.5	543.7	474.3	474.3	469.2
70°	4059.3	3171.4	544.5	401.6	393.0	494.0	600.2	514.6	440.9	438.4	425.5
72.5°	2442.8	1870.8	424.7	375.9	360.5	438.4	562.5	480.3	408.4	387.0	371.6
75°	1268.9	937.5	356.2	347.6	309.1	371.6	514.6	427.2	349.3	330.5	321.9
77.5°	543.7	438.4	305.7	309.9	256.9	312.5	415.3	369.9	309.9	286.0	278.3
80°	268.0	249.2	241.4	248.3	205.5	241.4	357.9	323.6	262.9	235.5	224.3
82.5°	153.3	145.6	173.8	176.4	146.4	202.1	302.2	274.0	217.5	187.5	169.5
85°	71.1	76.2	105.3	106.2	90.8	138.7	197.8	154.1	115.6	95.9	91.6
87.5°	28.3	33.4	46.2	45.4	26.5	25.7	17.1	9.4	7.7	6.8	6.0
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)