

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: P632714

Luminaire Tested: GWS-SA2D-730-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8864.5 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

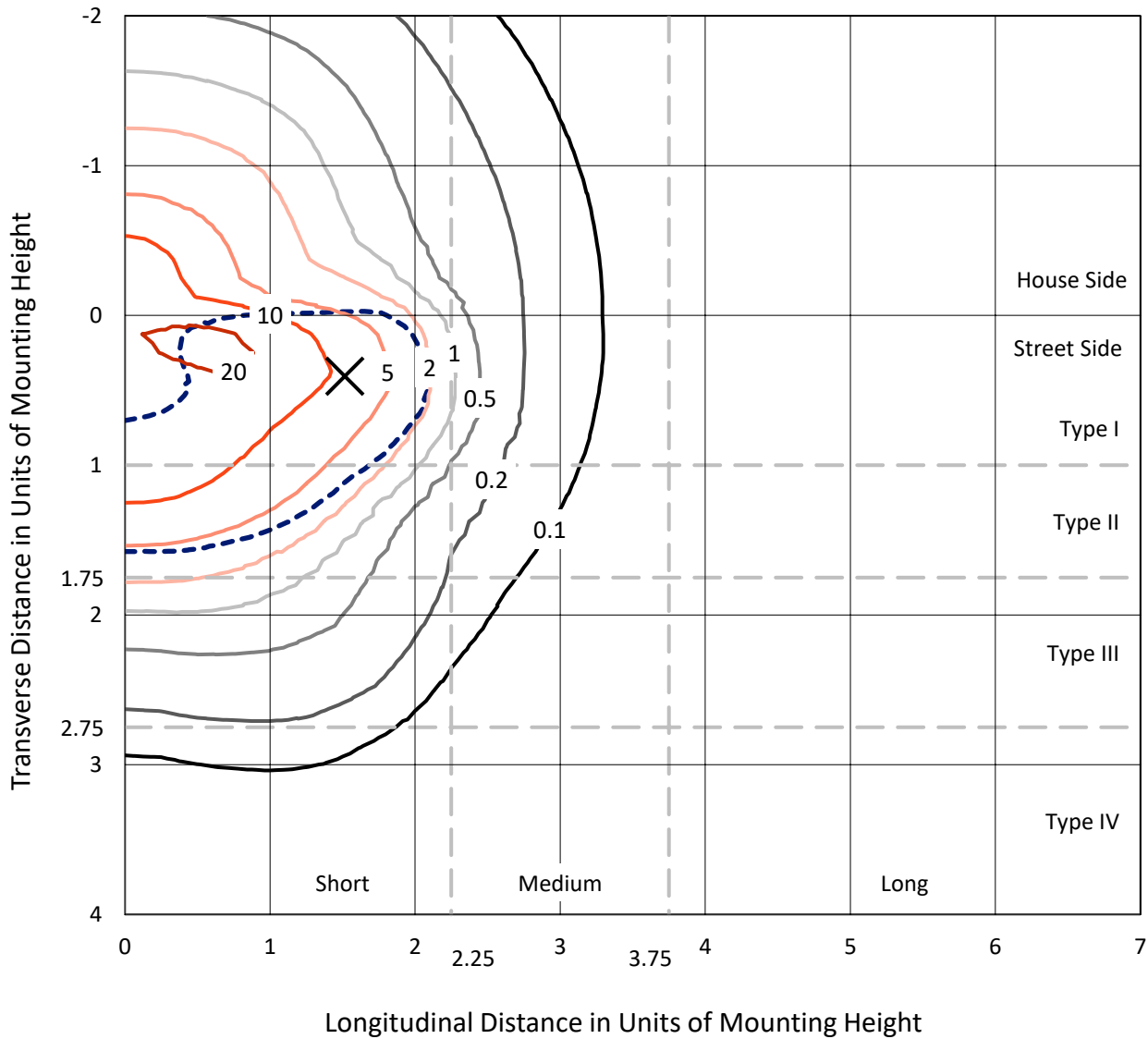
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

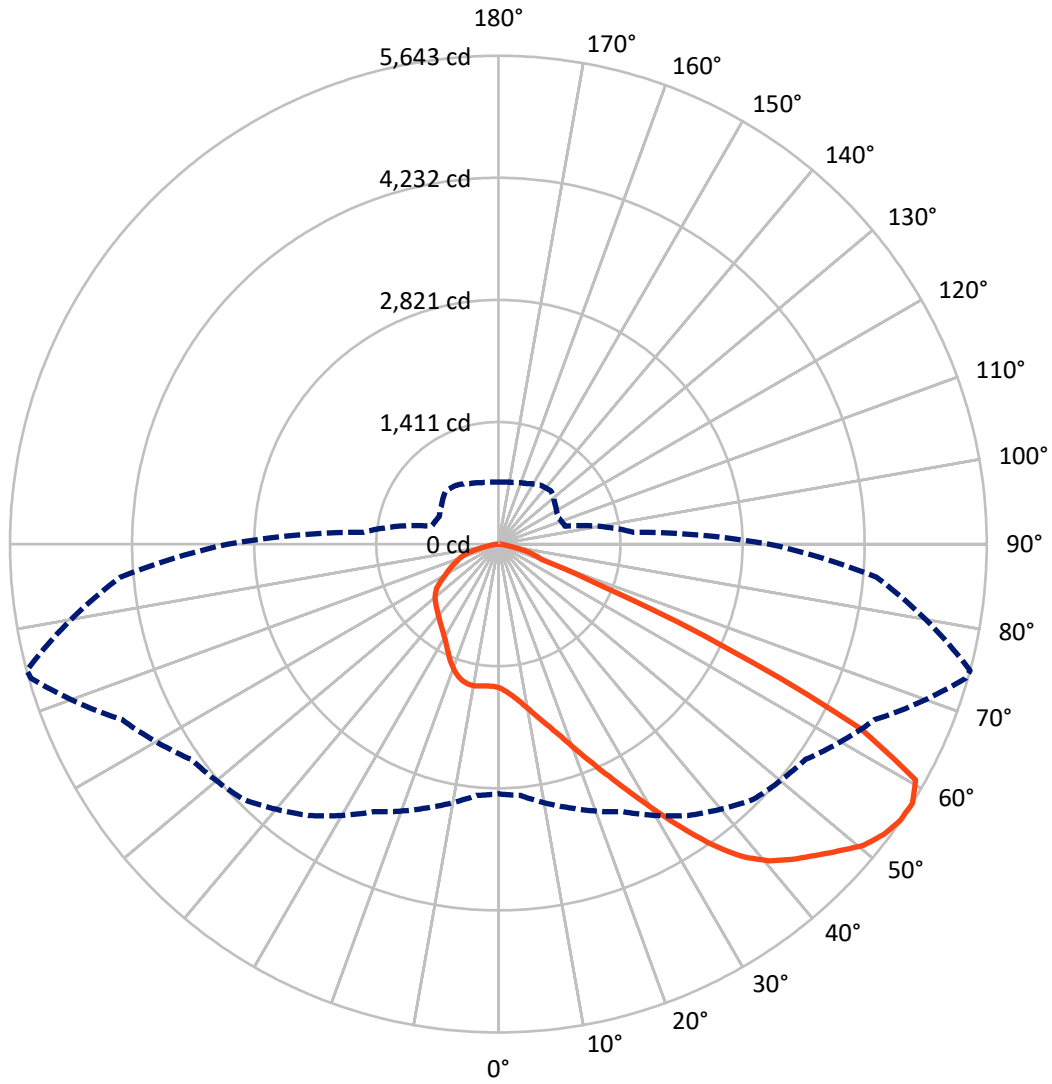
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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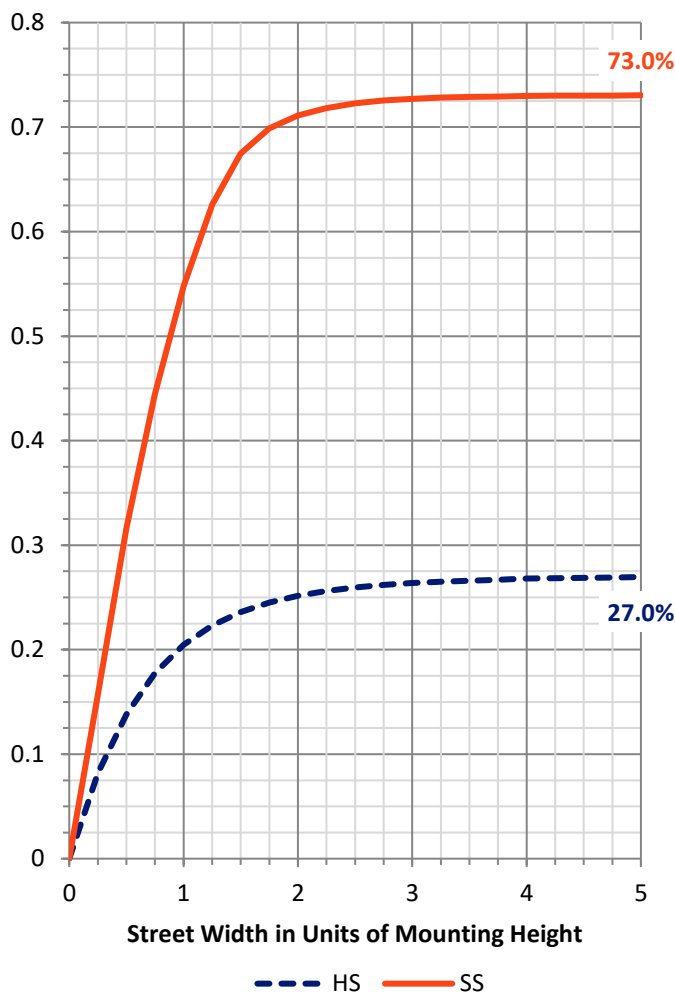
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2398.0	0.0	2398.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	6466.5	0.0	6466.5
	% Fixture	72.9	0.0	72.9
Total	Lumens	8864.5	0.0	8864.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.9
10°-20°	528.9	6.0
20°-30°	938.0	10.6
30°-40°	1435.9	16.2
40°-50°	1999.4	22.6
50°-60°	2290.9	25.8
60°-70°	1177.1	13.3
70°-80°	296.4	3.3
80°-90°	31.7	0.4
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°	8864.5	100.0
0°-180°	8864.5	100.0

Coefficient of Utilization



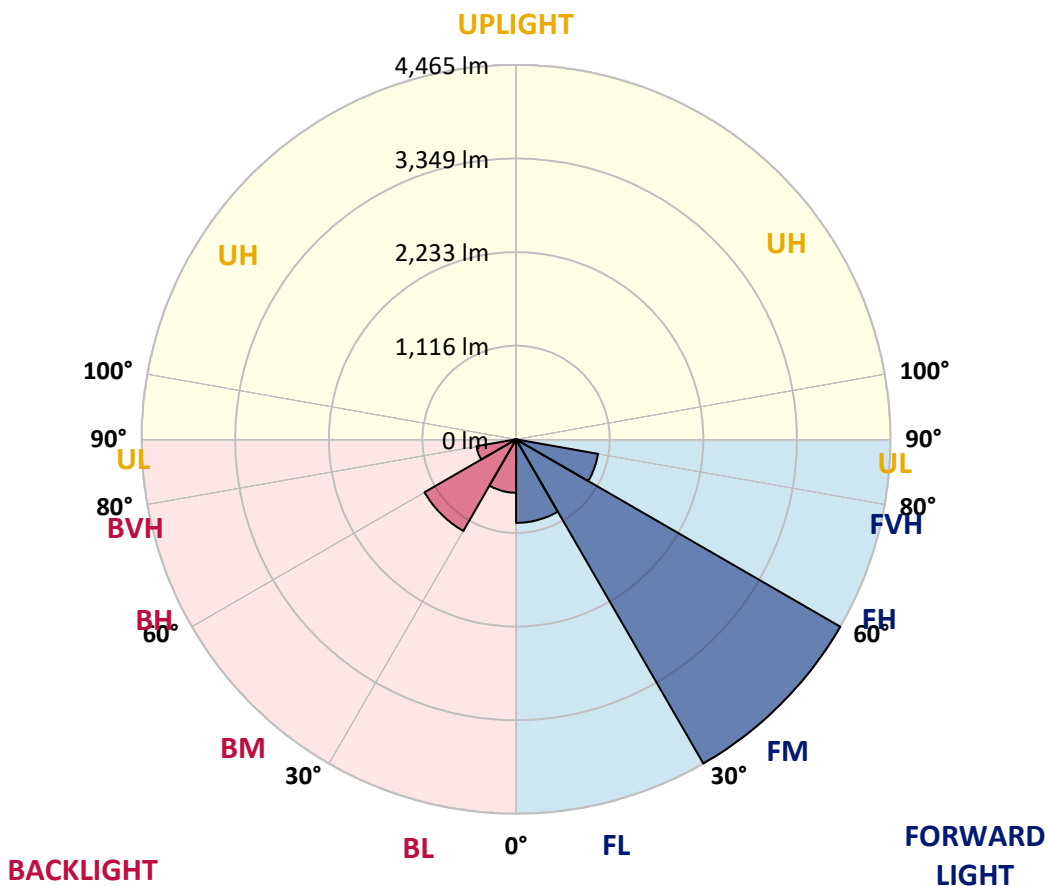
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.0	11.2			
FM (30°-60°)	4465.2	50.4			
FH (60°-80°)	993.6	11.2			G1/1800
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	637.1	7.2	B2/1000		
BM (30°-60°)	1261.1	14.2	B2/2500		
BH (60°-80°)	479.9	5.4	B1/500		G1/500
BVH (80°-90°)	20.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1
2.5°	1783.6	1788.2	1783.6	1791.2	1776.0	1769.1	1752.3	1727.2	1707.4	1704.3	1682.2
5°	1922.3	1932.2	1926.1	1923.1	1902.5	1887.2	1862.1	1811.8	1770.6	1764.5	1721.1
7.5°	2011.5	2018.3	2018.3	2020.6	2013.0	1995.5	1968.8	1909.4	1851.4	1842.3	1776.7
10°	2041.2	2046.6	2056.5	2075.5	2090.8	2096.1	2078.6	2021.4	1950.5	1941.4	1849.9
12.5°	2048.1	2054.2	2069.4	2104.5	2146.4	2184.5	2187.6	2145.6	2066.4	2056.5	1934.5
15°	2061.0	2067.1	2087.7	2131.2	2192.9	2266.1	2311.0	2282.1	2194.4	2183.8	2030.5
17.5°	2059.5	2066.4	2096.9	2154.8	2237.9	2343.8	2430.7	2442.9	2352.2	2333.9	2139.5
20°	2055.7	2061.8	2094.6	2165.5	2268.4	2413.9	2571.0	2634.2	2536.7	2519.9	2266.8
22.5°	2086.2	2093.0	2118.2	2176.9	2284.4	2468.1	2700.5	2853.0	2755.4	2731.8	2413.2
25°	2154.8	2164.7	2179.9	2220.3	2313.3	2516.1	2833.2	3100.7	3000.8	2972.6	2572.5
27.5°	2260.7	2272.9	2294.3	2313.3	2378.1	2577.1	2965.0	3378.1	3278.3	3248.6	2740.9
30°	2390.3	2406.3	2433.8	2446.7	2490.9	2667.0	3108.3	3664.0	3606.0	3564.9	2930.7
32.5°	2569.4	2591.5	2617.5	2621.3	2647.9	2803.4	3250.1	3947.5	3946.8	3917.8	3146.4
35°	2802.7	2826.3	2831.6	2837.0	2849.9	2990.9	3421.6	4205.9	4305.8	4272.2	3381.2
37.5°	3057.3	3091.6	3099.9	3076.3	3094.6	3216.6	3614.4	4413.2	4618.3	4582.4	3608.3
40°	3329.4	3343.1	3365.9	3328.6	3351.5	3474.9	3803.5	4545.9	4851.5	4813.4	3787.5
42.5°	3524.5	3549.6	3583.9	3570.2	3583.2	3696.0	3936.1	4609.9	5017.7	4979.6	3916.3
45°	3736.4	3744.0	3766.1	3763.1	3770.7	3875.9	4031.4	4638.1	5166.3	5132.0	4026.0
47.5°	3920.8	3932.3	3946.8	3930.0	3913.2	3981.8	4109.1	4662.5	5337.8	5296.6	4141.1
50°	4098.4	4108.3	4125.9	4077.1	4014.6	4032.1	4147.2	4696.0	5498.6	5469.7	4231.8
52.5°	4131.2	4141.9	4224.2	4234.1	4154.1	4092.3	4214.3	4770.0	5593.1	5574.9	4264.6
55°	3718.9	3737.9	3901.8	4090.1	4287.5	4267.7	4321.8	4808.8	5630.5	5635.1	4323.3
57.5°	2886.5	2914.0	3153.3	3411.7	3827.1	4170.8	4335.5	4798.9	5617.5	5642.7	4383.5
60°	1893.3	1909.4	2192.9	2482.5	2913.2	3388.8	3880.4	4620.6	5502.4	5538.3	4368.3
62.5°	1143.3	1161.6	1389.5	1609.0	1862.9	2180.7	2631.9	3713.5	4612.2	4692.2	3498.6
65°	798.0	822.4	1022.1	1202.8	1290.4	1224.9	1333.1	2074.0	2873.6	2907.1	2138.0
67.5°	578.5	595.3	759.2	974.1	1070.9	865.1	659.3	918.5	1251.6	1263.8	881.9
70°	378.8	397.9	546.5	741.6	874.3	701.2	493.2	497.0	526.7	532.8	512.2
72.5°	208.1	219.5	337.7	492.4	516.8	419.2	384.9	413.1	433.7	433.7	439.0
75°	107.5	117.4	138.0	162.4	195.9	229.4	277.4	319.4	341.5	343.0	340.7
77.5°	54.9	58.7	73.9	80.0	87.7	102.1	132.6	170.0	189.8	197.4	195.9
80°	25.9	27.4	31.3	36.6	45.0	57.2	71.6	85.4	97.6	99.1	107.5
82.5°	13.7	15.2	16.8	19.8	24.4	30.5	41.9	50.3	57.9	59.5	66.3
85°	5.3	6.1	6.9	7.6	10.7	13.0	17.5	23.6	29.0	29.0	34.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.0	3.8	5.3	5.3	9.1
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°	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1	1660.1
2.5°	1676.9	1654.8	1644.9	1628.9	1615.9	1601.4	1590.0	1581.6	1576.3	1573.2	1570.2
5°	1704.3	1670.8	1644.1	1612.1	1590.0	1568.6	1551.1	1538.9	1532.8	1528.2	1525.2
7.5°	1747.0	1702.0	1651.7	1602.2	1563.3	1529.0	1506.9	1493.9	1485.6	1482.5	1480.2
10°	1805.7	1743.2	1660.1	1581.6	1523.7	1486.3	1471.1	1465.0	1465.7	1464.2	1463.5
12.5°	1872.0	1786.6	1657.8	1545.0	1481.0	1458.9	1459.6	1469.6	1481.0	1484.0	1484.8
15°	1943.7	1829.3	1635.7	1497.8	1447.4	1449.7	1469.6	1493.2	1514.5	1522.9	1524.4
17.5°	2021.4	1865.1	1595.3	1445.9	1420.0	1444.4	1481.0	1519.9	1551.1	1564.8	1568.6
20°	2108.3	1895.6	1538.2	1394.9	1394.1	1434.5	1487.8	1538.9	1578.6	1596.8	1599.9
22.5°	2200.5	1914.7	1468.0	1347.6	1367.4	1421.5	1482.5	1535.9	1577.8	1596.1	1599.9
25°	2293.5	1920.8	1391.0	1304.2	1340.0	1401.0	1456.6	1499.3	1538.9	1554.9	1558.0
27.5°	2380.4	1903.3	1317.9	1266.8	1314.8	1370.5	1407.8	1430.7	1458.1	1470.3	1472.6
30°	2468.8	1868.2	1256.1	1237.1	1286.6	1328.5	1345.3	1346.8	1357.5	1357.5	1359.0
32.5°	2558.0	1816.4	1202.0	1208.1	1251.6	1279.0	1281.3	1263.8	1250.8	1229.5	1228.7
35°	2660.9	1763.8	1157.8	1175.3	1210.4	1227.2	1220.3	1186.8	1155.5	1120.5	1118.9
37.5°	2756.2	1709.7	1120.5	1141.8	1163.9	1176.1	1160.1	1119.7	1093.8	1058.0	1052.6
40°	2834.7	1660.9	1084.6	1106.7	1117.4	1128.1	1102.2	1069.4	1073.2	1053.4	1052.6
42.5°	2880.4	1613.6	1051.1	1067.9	1074.7	1082.3	1059.5	1035.1	1055.7	1040.4	1041.2
45°	2914.0	1572.5	1020.6	1026.7	1043.5	1054.9	1033.6	1006.1	1010.7	952.0	938.3
47.5°	2952.1	1549.6	991.6	985.5	1015.3	1035.1	1002.3	962.7	935.2	877.3	872.0
50°	2992.5	1541.2	961.2	944.4	980.2	999.3	961.2	911.6	875.8	844.5	841.5
52.5°	3006.2	1540.4	923.0	894.8	930.7	957.3	925.3	875.0	832.3	801.9	800.3
55°	3060.3	1562.5	874.3	827.0	860.5	915.4	891.8	819.4	785.1	771.4	769.8
57.5°	3123.6	1566.4	797.3	753.1	799.6	864.4	834.6	772.1	734.8	718.0	716.5
60°	3097.6	1472.6	715.0	696.7	747.7	816.3	788.9	734.8	691.3	675.3	673.8
62.5°	2360.6	1039.7	654.7	647.9	692.1	747.0	741.6	685.2	644.1	632.6	631.1
65°	1420.0	730.2	596.8	596.1	627.3	679.9	686.8	641.0	597.6	581.6	581.6
67.5°	702.0	558.7	531.3	527.5	547.3	584.6	613.6	576.2	539.6	524.4	522.1
70°	496.2	492.4	483.2	472.6	476.4	491.6	503.8	472.6	433.7	418.5	415.4
72.5°	429.1	429.9	423.8	415.4	412.4	401.7	391.0	368.2	344.5	328.5	330.0
75°	333.1	334.6	338.4	335.4	327.0	315.6	304.1	275.2	256.1	240.9	237.8
77.5°	194.4	202.0	214.2	211.1	212.7	196.7	192.1	163.9	146.3	135.7	133.4
80°	109.8	114.3	119.7	123.5	118.9	112.0	102.1	86.9	81.6	73.9	72.4
82.5°	66.3	70.9	73.2	76.2	74.7	65.6	57.9	48.0	43.4	39.6	38.9
85°	33.5	36.6	38.9	40.4	35.8	29.7	26.7	21.3	18.3	16.0	16.0
87.5°	8.4	9.1	10.7	9.1	8.4	3.8	3.0	0.8	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)