

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: P632263

Luminaire Tested: GWS-SA2C-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8766.9 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

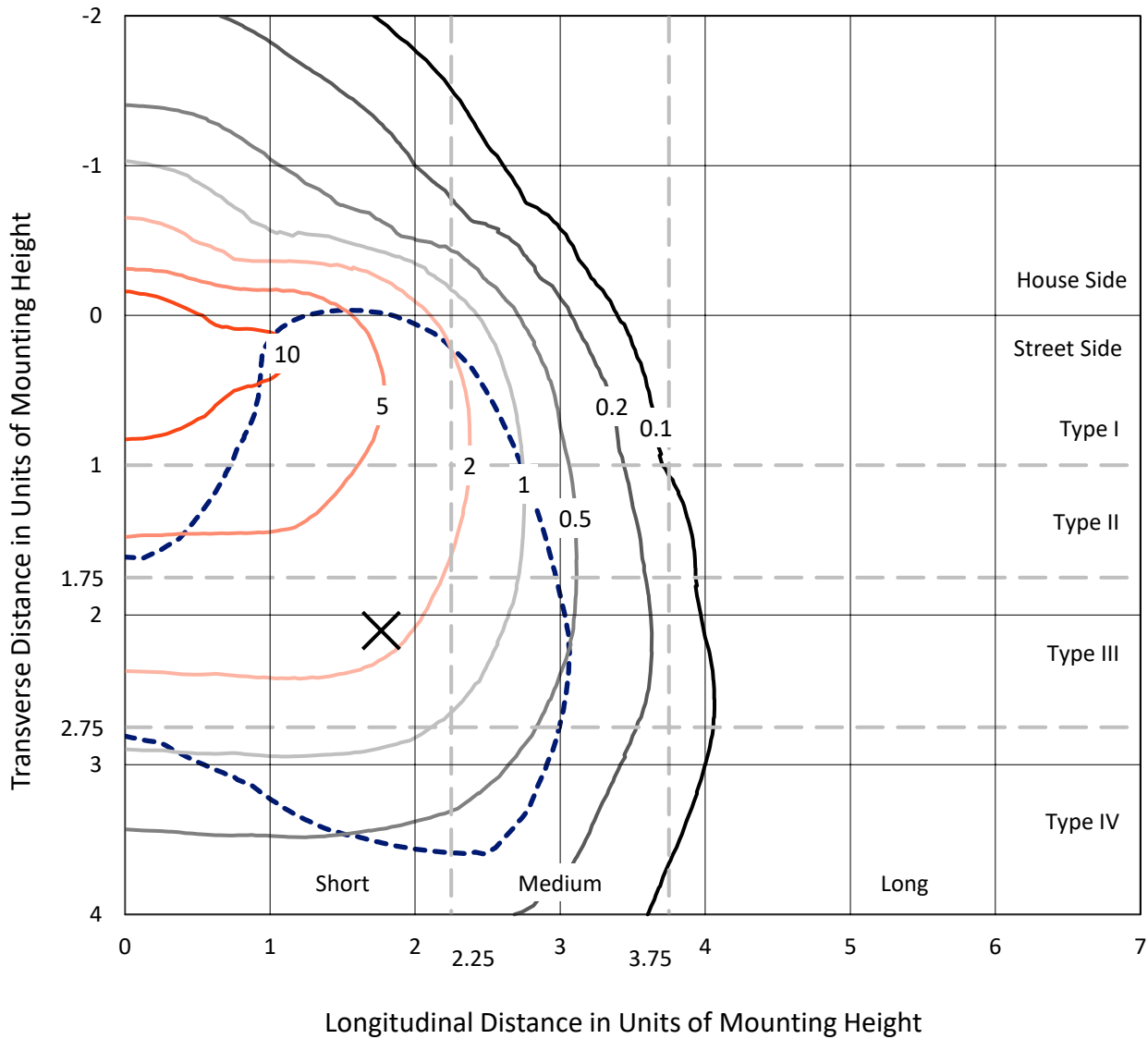
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

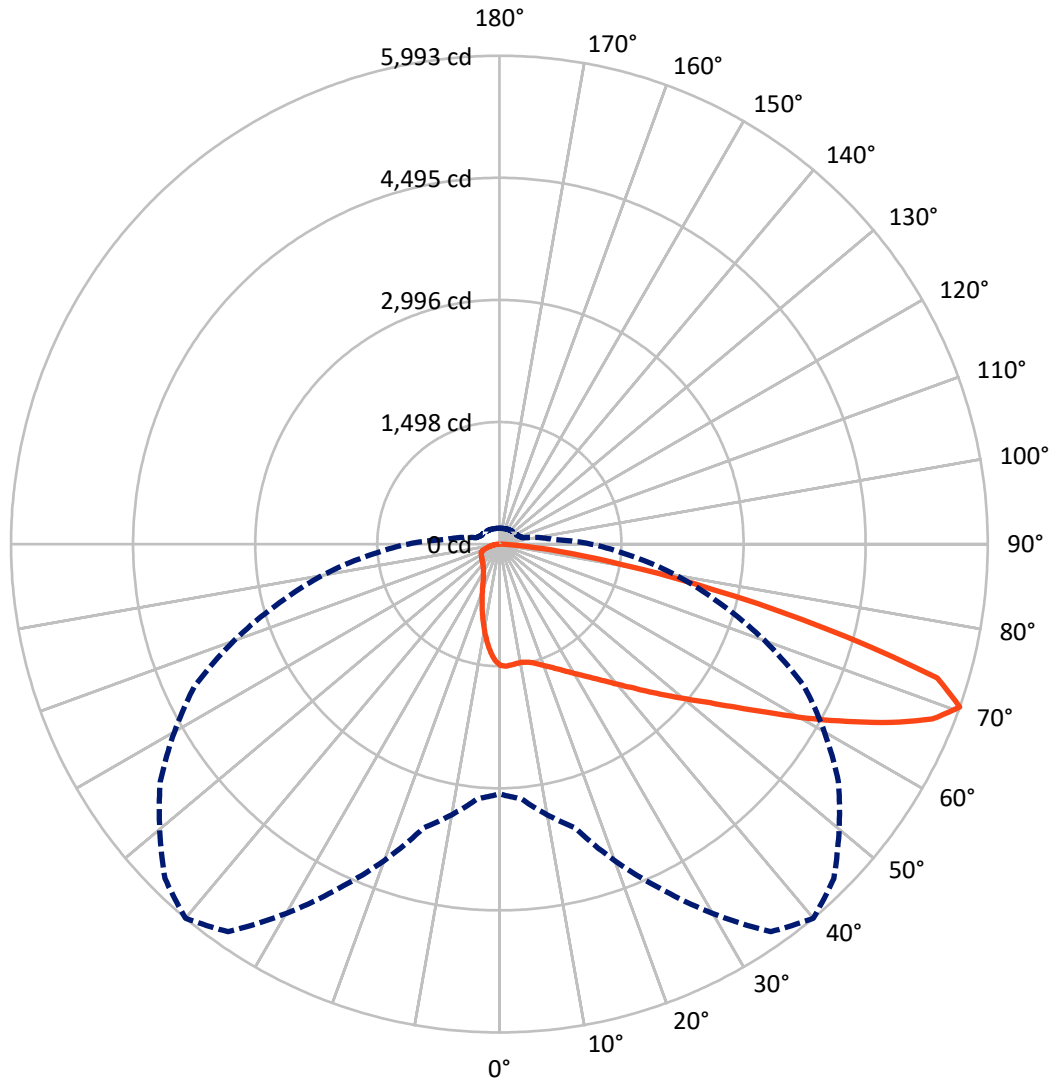
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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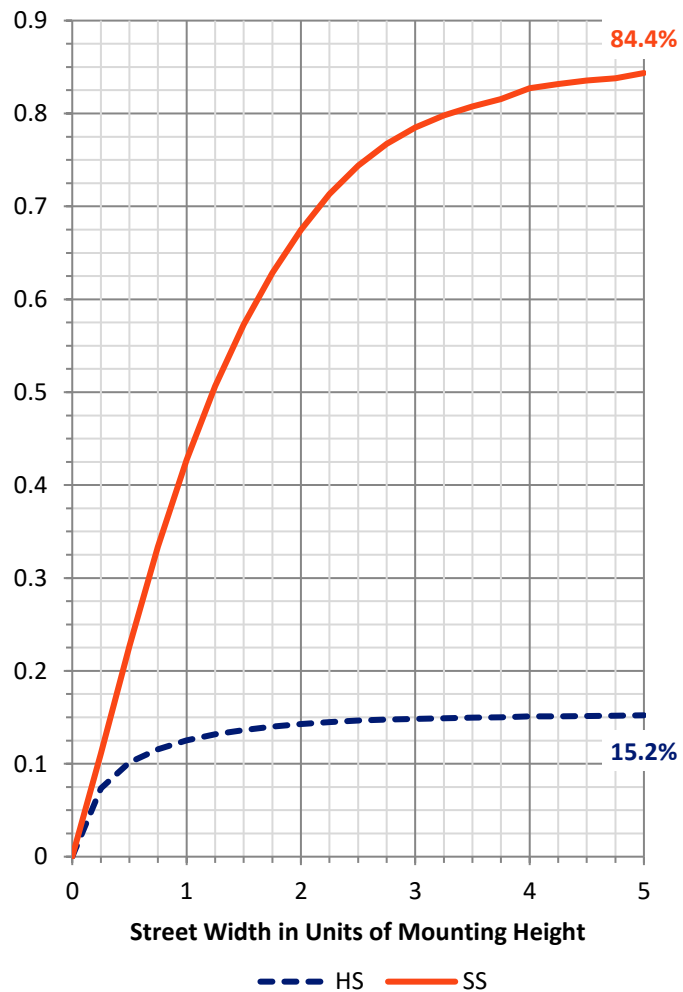
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.3	0.0	1350.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	7416.6	0.0	7416.6
	% Fixture	84.6	0.0	84.6
Total	Lumens	8766.9	0.0	8766.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.5
10°-20°	342.8	3.9
20°-30°	538.3	6.1
30°-40°	809.3	9.2
40°-50°	1249.2	14.2
50°-60°	1855.1	21.2
60°-70°	2338.4	26.7
70°-80°	1352.3	15.4
80°-90°	150.1	1.7
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°	8766.9	100.0
0°-180°	8766.9	100.0

Coefficient of Utilization



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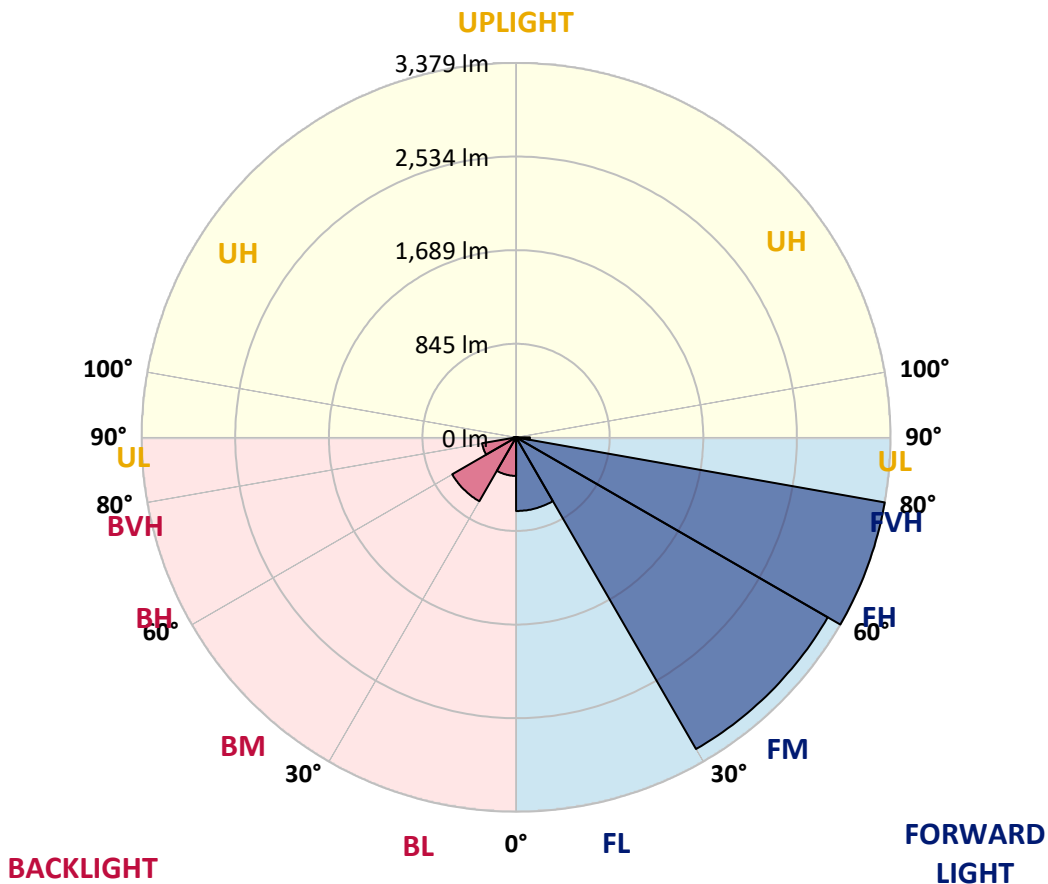
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.6	7.6			
FM (30°-60°)	3248.0	37.0			
FH (60°-80°)	3379.0	38.5			G2/5000
FVH (80°-90°)	125.0	1.4			G2/225
BL (0°-30°)	348.0	4.0	B1/500		
BM (30°-60°)	665.6	7.6	B1/1000		
BH (60°-80°)	311.7	3.6	B1/500		G1/500
BVH (80°-90°)	25.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7
2.5°	1497.9	1500.5	1502.5	1505.1	1503.8	1499.8	1503.1	1503.1	1495.9	1488.1	1480.9
5°	1499.8	1503.1	1502.5	1501.8	1496.6	1490.0	1490.0	1486.1	1473.7	1461.2	1449.5
7.5°	1495.9	1495.3	1494.6	1492.6	1486.8	1479.6	1478.3	1470.4	1454.0	1437.0	1420.0
10°	1478.3	1477.6	1479.6	1484.1	1482.8	1476.3	1476.3	1469.1	1450.1	1429.2	1406.9
12.5°	1463.9	1463.9	1471.7	1484.1	1488.7	1486.1	1486.8	1481.5	1459.9	1435.1	1408.9
15°	1465.8	1466.5	1483.5	1503.8	1512.3	1510.3	1511.0	1505.1	1480.9	1456.0	1420.7
17.5°	1478.9	1482.2	1511.6	1539.8	1550.9	1548.3	1543.7	1533.9	1506.4	1478.3	1435.1
20°	1506.4	1511.6	1549.6	1584.9	1598.0	1592.1	1584.3	1564.6	1534.5	1503.8	1450.8
22.5°	1560.7	1564.0	1605.9	1640.5	1651.0	1643.8	1628.1	1600.0	1565.3	1533.2	1469.7
25°	1637.3	1641.2	1681.1	1713.2	1710.6	1702.0	1680.5	1645.8	1604.5	1570.5	1497.2
27.5°	1728.2	1734.8	1774.0	1799.6	1782.5	1770.1	1745.9	1704.0	1657.6	1626.8	1539.1
30°	1827.7	1830.3	1863.7	1889.2	1863.0	1846.0	1816.6	1771.4	1729.5	1706.6	1601.9
32.5°	1923.9	1926.5	1955.3	1969.7	1942.2	1929.8	1904.3	1856.5	1827.0	1814.6	1695.5
35°	2025.3	2024.7	2048.2	2060.7	2032.5	2027.3	2001.1	1964.5	1959.2	1975.6	1832.3
37.5°	2126.7	2120.9	2133.3	2149.6	2133.9	2139.2	2122.2	2109.7	2130.0	2172.5	2014.2
40°	2207.9	2207.9	2221.0	2241.3	2246.5	2269.4	2259.6	2275.9	2341.4	2442.8	2239.3
42.5°	2279.9	2280.5	2308.0	2339.4	2377.4	2412.7	2420.6	2463.1	2598.6	2757.6	2522.0
45°	2355.1	2355.8	2393.1	2438.9	2519.4	2586.8	2602.5	2698.0	2891.7	3085.4	2828.9
47.5°	2442.2	2435.0	2486.7	2563.2	2677.7	2774.6	2815.2	2950.6	3195.3	3433.5	3118.1
50°	2540.3	2525.3	2582.8	2715.0	2856.4	2989.2	3057.3	3212.4	3521.2	3754.8	3390.4
52.5°	2650.9	2642.4	2702.6	2863.6	3079.5	3232.6	3324.9	3528.4	3838.0	4074.8	3606.3
55°	2788.3	2768.0	2855.1	3059.9	3341.3	3536.3	3645.6	3841.2	4184.1	4365.4	3771.2
57.5°	2938.8	2916.6	3033.1	3305.3	3681.6	3895.5	4032.3	4193.3	4510.0	4587.9	3868.1
60°	3101.1	3093.9	3232.0	3593.2	4087.3	4335.9	4434.8	4580.7	4793.4	4716.8	3843.8
62.5°	3249.7	3247.0	3447.9	3905.4	4517.2	4790.7	4869.3	4907.9	4997.5	4708.3	3651.5
65°	3406.1	3428.3	3699.9	4267.2	5010.0	5278.2	5311.0	5212.8	5066.2	4485.1	3257.5
67.5°	3425.7	3468.9	3858.2	4606.2	5477.2	5730.4	5704.3	5328.6	4863.4	3864.1	2553.4
70°	3063.8	3139.1	3605.6	4657.9	5806.3	5992.8	5803.7	5079.3	4127.2	2799.4	1605.9
72.5°	2559.9	2624.7	3037.0	3972.1	5381.6	5619.2	5363.3	4299.3	2916.6	1605.9	818.0
75°	1992.6	2067.8	2448.0	3157.4	4029.0	4123.9	3995.7	2998.4	1603.2	662.2	371.7
77.5°	1215.8	1270.2	1565.9	2139.2	2819.1	2677.1	2268.7	1681.1	703.5	317.4	229.7
80°	537.9	571.3	771.5	1149.1	1628.8	1539.8	1213.9	717.9	384.8	201.5	160.3
82.5°	288.6	310.2	380.2	454.8	715.2	748.0	606.6	413.6	206.8	115.2	91.6
85°	127.0	139.4	172.8	164.9	234.9	231.0	233.0	284.0	98.8	53.0	59.5
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	7.2	38.0	9.8	15.7	13.7
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°	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7	1488.7
2.5°	1473.0	1461.2	1458.0	1454.0	1446.8	1434.4	1425.2	1414.8	1410.2	1405.0	1405.6
5°	1436.4	1422.0	1408.2	1390.6	1368.3	1343.4	1326.4	1306.8	1296.3	1286.5	1289.1
7.5°	1405.0	1382.7	1354.6	1317.3	1277.4	1232.9	1196.9	1168.7	1149.8	1136.7	1143.2
10°	1385.3	1359.2	1310.1	1249.2	1181.8	1113.8	1062.1	1013.6	983.5	960.0	958.7
12.5°	1381.4	1347.4	1276.0	1187.7	1090.2	999.2	923.3	857.9	818.0	788.5	799.7
15°	1385.3	1342.1	1246.6	1130.8	1007.7	884.7	790.5	715.2	667.5	640.6	638.7
17.5°	1389.9	1336.9	1213.2	1069.3	921.4	780.7	671.4	591.6	542.5	515.7	516.3
20°	1393.8	1329.1	1174.0	1001.9	833.7	683.8	570.6	494.7	450.9	431.2	434.5
22.5°	1400.4	1321.2	1132.1	929.9	744.0	590.3	490.8	429.3	403.1	390.0	390.7
25°	1412.8	1316.6	1088.9	851.4	655.7	515.7	435.8	394.6	378.2	370.4	369.7
27.5°	1438.3	1320.5	1043.7	775.4	575.9	458.7	400.5	373.7	362.5	357.3	356.6
30°	1480.9	1336.2	1004.5	698.2	507.1	414.2	376.3	359.9	353.4	348.8	348.1
32.5°	1545.7	1365.7	961.9	626.2	451.5	381.5	357.3	348.8	344.2	341.6	341.6
35°	1643.8	1419.4	920.1	563.4	408.3	356.0	342.2	339.0	335.0	333.7	335.0
37.5°	1785.2	1505.1	882.1	508.5	377.6	336.4	325.9	327.2	323.9	325.9	327.8
40°	1964.5	1619.6	850.0	463.3	354.7	322.0	311.5	316.1	314.1	316.1	319.3
42.5°	2191.5	1761.6	825.8	428.0	338.3	310.2	300.4	304.9	303.6	306.3	309.5
45°	2444.8	1948.8	814.7	403.1	326.5	301.7	291.2	294.5	293.2	295.1	298.4
47.5°	2687.5	2118.9	824.5	388.7	316.7	294.5	283.3	284.7	284.0	283.3	285.3
50°	2897.0	2254.3	852.7	384.1	310.2	287.3	276.8	277.5	275.5	271.6	272.9
52.5°	3067.7	2363.0	869.7	384.1	306.9	279.4	269.6	270.3	266.3	261.1	261.8
55°	3180.3	2406.8	855.9	383.5	305.6	272.9	262.4	263.1	259.1	252.6	253.2
57.5°	3212.4	2364.3	798.3	376.3	304.3	267.6	255.2	256.5	253.9	246.7	246.7
60°	3122.7	2208.5	693.0	359.9	301.0	264.4	250.0	251.9	250.6	243.4	243.4
62.5°	2887.8	1931.7	567.3	335.0	291.9	260.4	245.4	249.3	252.6	248.7	248.0
65°	2448.0	1547.6	461.3	307.6	280.1	253.9	238.8	248.7	255.9	261.1	261.1
67.5°	1836.9	1107.9	376.3	278.8	262.4	240.8	230.3	239.5	244.7	248.0	250.0
70°	1119.6	651.8	296.4	245.4	236.9	221.2	213.3	204.2	197.0	195.7	196.3
72.5°	547.7	373.0	240.8	208.7	202.2	187.8	170.1	166.2	162.9	161.0	160.3
75°	301.7	259.8	198.9	173.4	161.6	144.0	140.0	133.5	132.2	129.6	130.2
77.5°	213.3	204.8	164.3	140.7	123.0	113.9	115.8	111.2	111.2	109.3	108.6
80°	160.3	161.0	126.3	102.7	91.0	87.7	89.7	89.7	88.3	87.7	87.0
82.5°	101.4	114.5	85.1	66.1	64.8	65.4	64.8	64.1	65.4	63.5	62.8
85°	70.0	82.5	51.7	39.3	39.3	38.6	39.9	39.3	40.6	38.6	38.6
87.5°	15.7	36.6	19.0	11.8	12.4	11.8	12.4	13.1	14.4	15.1	15.1
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)