

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: P634071

Luminaire Tested: GWS-SA3B-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634071  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

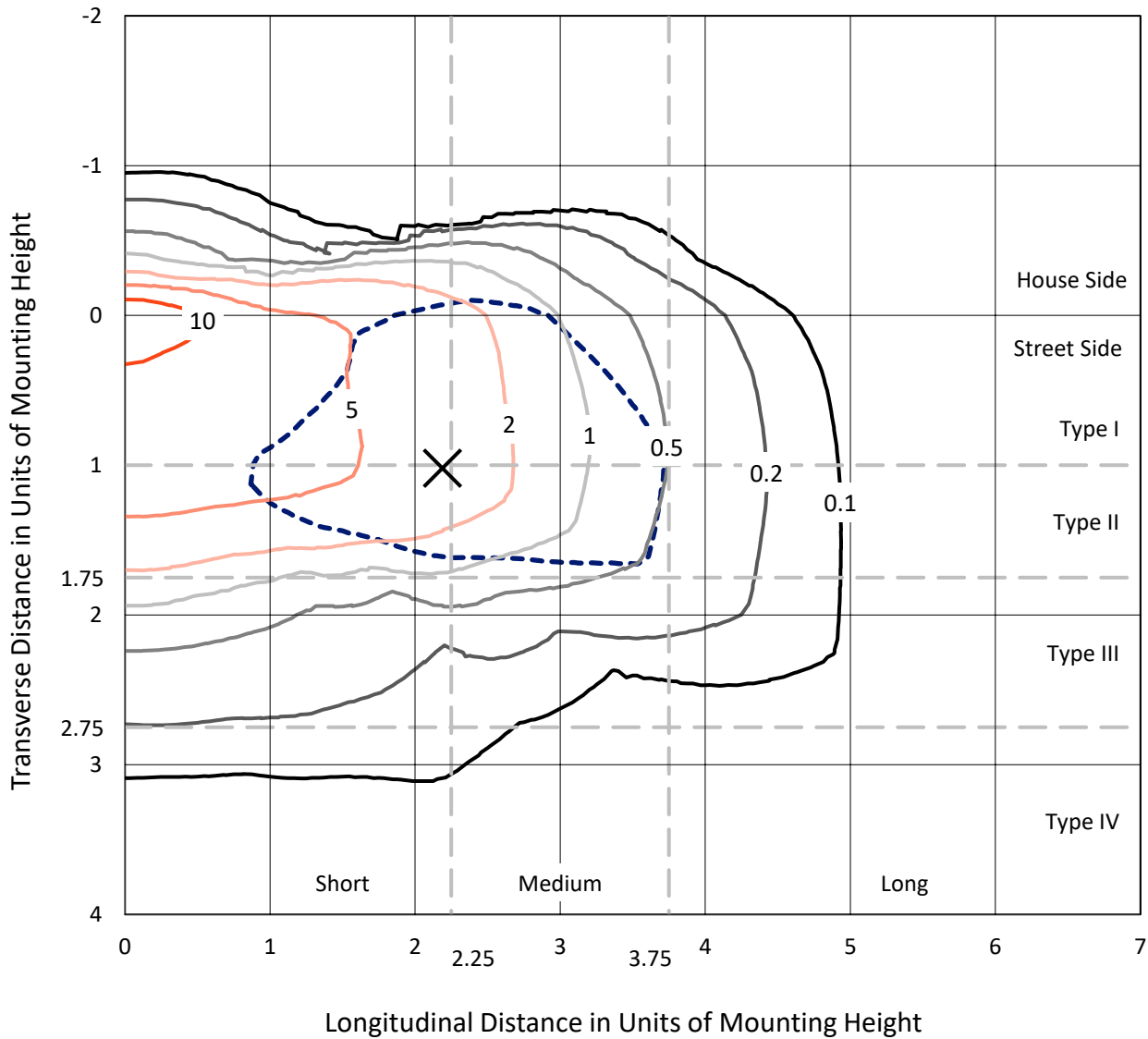
Lumens per Lamp: N/A  
Luminaire Lumens: 6073.5 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

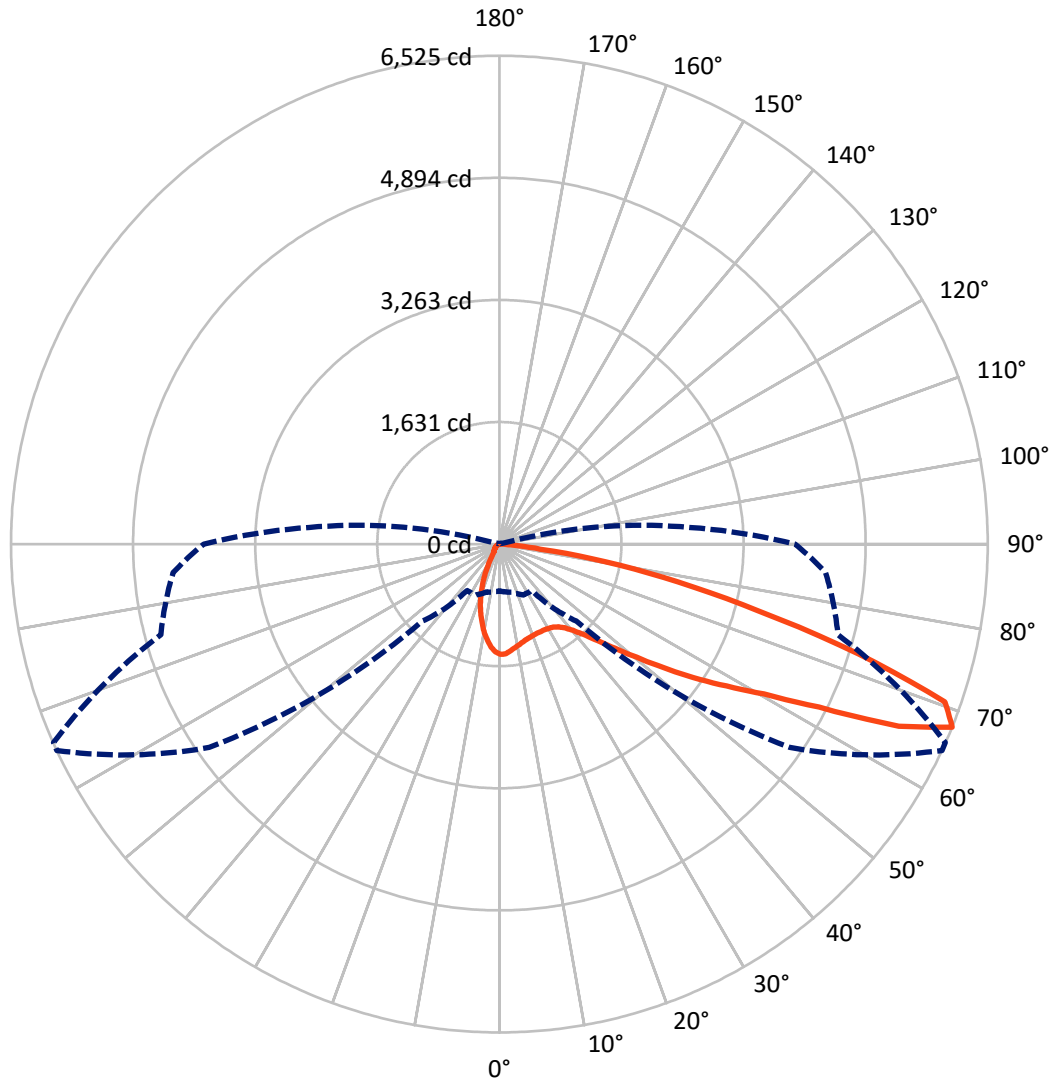
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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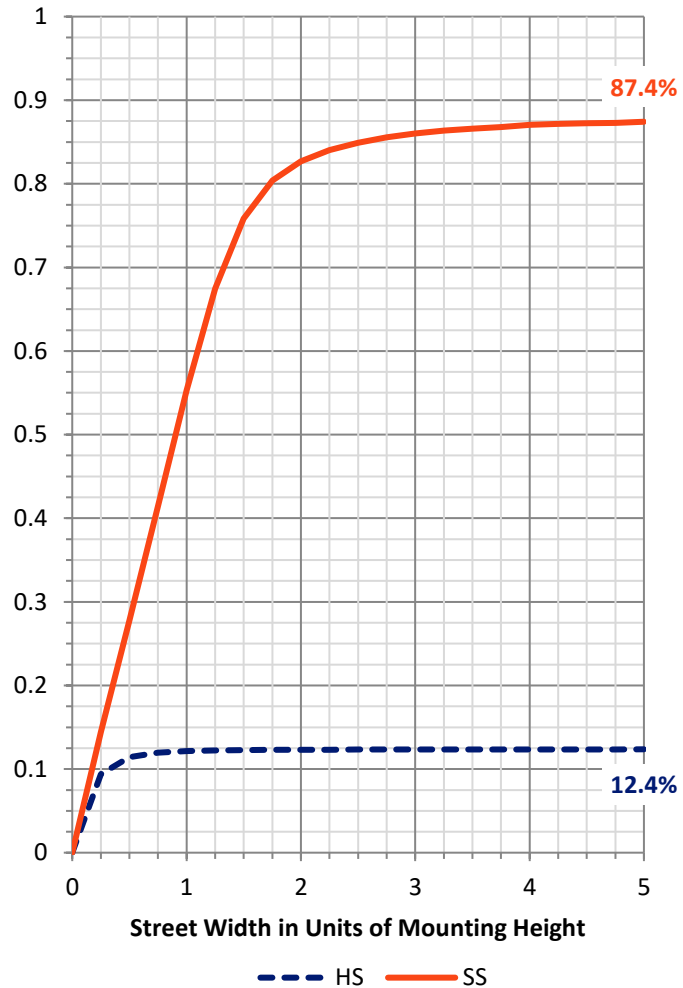
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	758.4	0.0	758.4
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	5315.1	0.0	5315.1
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	6073.5	0.0	6073.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.3	2.0
10°-20°	275.0	4.5
20°-30°	393.0	6.5
30°-40°	571.7	9.4
40°-50°	895.4	14.7
50°-60°	1396.9	23.0
60°-70°	1534.4	25.3
70°-80°	816.6	13.4
80°-90°	68.0	1.1
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°	6073.5	100.0
0°-180°	6073.5	100.0

**Coefficient of Utilization**



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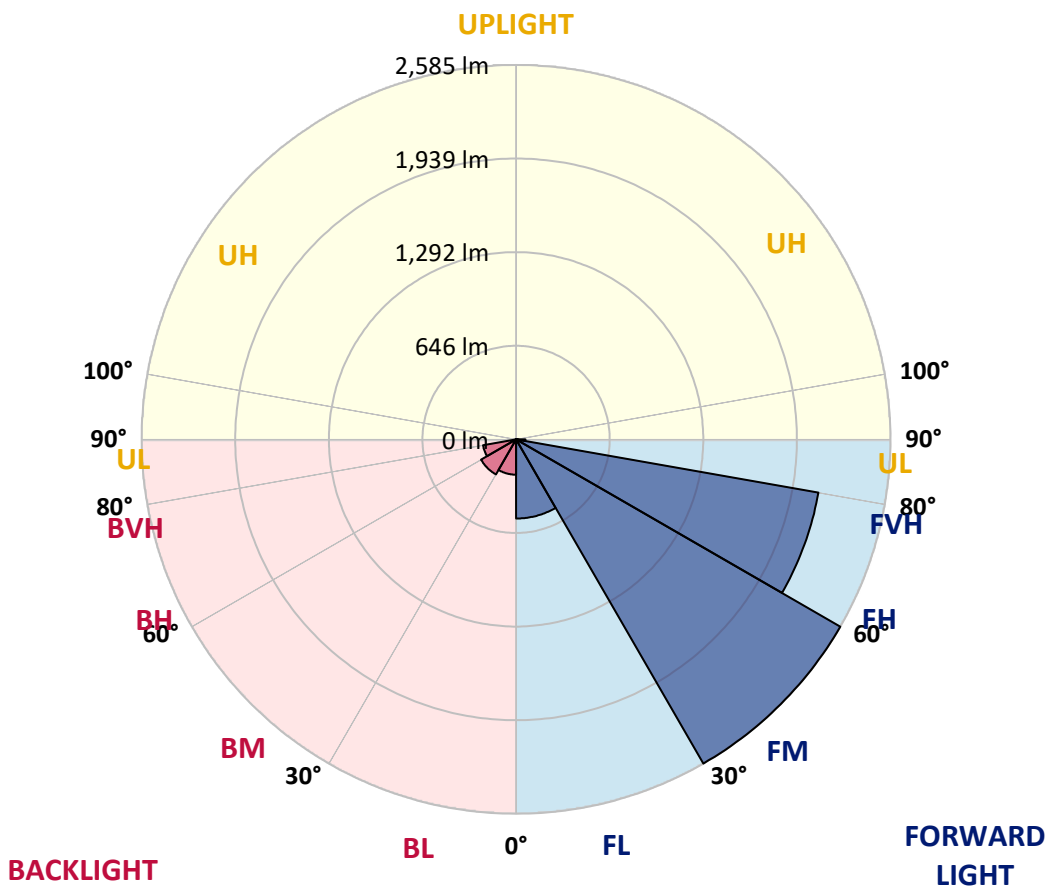
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.6	9.0			
FM (30°-60°)	2584.7	42.6			
FH (60°-80°)	2119.4	34.9			G2/5000
FVH (80°-90°)	64.4	1.1			G1/100
BL (0°-30°)	243.8	4.0	B1/500		
BM (30°-60°)	279.3	4.6	B1/1000		
BH (60°-80°)	231.6	3.8	B1/500		G1/500
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1421.9	1426.3	1420.3	1435.1	1437.9	1454.3	1463.7	1470.3	1469.7	1478.0	1478.0
5°	1338.5	1342.8	1339.6	1355.5	1368.1	1393.9	1415.3	1440.1	1441.2	1466.4	1475.8
7.5°	1267.6	1268.2	1268.2	1287.9	1304.4	1336.3	1368.1	1406.0	1410.4	1449.4	1474.1
10°	1209.4	1211.0	1211.6	1234.1	1252.2	1290.7	1331.3	1376.9	1381.8	1434.6	1473.0
12.5°	1169.3	1169.8	1172.0	1195.7	1215.4	1255.5	1296.7	1348.9	1355.5	1417.5	1468.1
15°	1150.1	1149.0	1150.1	1169.8	1189.6	1228.1	1270.4	1326.4	1333.5	1403.3	1468.6
17.5°	1149.0	1147.3	1146.2	1161.1	1173.7	1207.7	1250.6	1311.5	1319.2	1396.7	1474.7
20°	1164.9	1163.8	1158.3	1164.9	1167.6	1195.7	1237.9	1300.0	1307.7	1395.6	1487.8
22.5°	1206.6	1203.9	1195.7	1189.6	1174.8	1191.3	1229.2	1291.8	1300.6	1398.3	1504.9
25°	1268.7	1267.6	1257.2	1242.3	1204.4	1197.9	1229.7	1291.8	1300.0	1401.6	1523.0
27.5°	1362.1	1355.5	1342.3	1316.5	1262.1	1223.7	1240.7	1295.1	1303.3	1406.0	1537.8
30°	1457.1	1456.5	1452.1	1425.8	1345.0	1273.1	1263.8	1303.9	1311.5	1409.9	1551.6
32.5°	1555.4	1557.0	1568.0	1547.7	1459.3	1346.7	1305.5	1322.0	1327.5	1417.5	1563.6
35°	1648.8	1652.1	1681.2	1688.3	1598.2	1458.2	1373.6	1358.2	1358.8	1434.6	1579.6
37.5°	1738.3	1749.3	1796.0	1830.6	1771.2	1593.3	1471.9	1419.7	1415.3	1468.6	1603.7
40°	1839.9	1860.8	1919.5	1978.3	1959.6	1771.8	1605.9	1514.2	1504.9	1531.2	1647.1
42.5°	1952.5	1975.0	2053.0	2135.4	2144.2	1987.6	1773.4	1652.1	1636.1	1636.7	1728.4
45°	2073.3	2103.5	2194.1	2312.8	2366.1	2228.2	1979.9	1838.2	1822.3	1798.7	1859.1
47.5°	2232.0	2258.4	2345.7	2482.5	2584.6	2486.3	2250.7	2077.7	2048.6	2014.0	2062.3
50°	2368.8	2391.9	2467.1	2638.5	2851.0	2819.2	2557.7	2377.0	2349.0	2290.3	2330.4
52.5°	2399.0	2417.1	2486.3	2679.1	3054.8	3239.3	2933.9	2739.0	2719.2	2610.5	2625.8
55°	2263.3	2290.8	2352.9	2567.1	3108.1	3650.1	3422.2	3147.0	3105.9	2932.3	2959.8
57.5°	1920.6	1969.5	2027.7	2306.2	2963.6	3868.7	4104.3	3579.3	3541.9	3242.1	3242.6
60°	1407.7	1447.2	1486.2	1741.0	2620.9	3853.9	4723.3	4064.8	3996.7	3495.3	3485.9
62.5°	1023.8	1044.1	1043.5	1134.1	1799.8	3600.2	5048.5	4796.4	4637.6	3766.0	3712.7
65°	805.2	804.6	828.2	857.9	1005.1	2779.1	5088.5	5864.6	5693.2	4129.1	4018.1
67.5°	626.7	638.7	662.4	749.7	755.2	1454.3	4735.9	6525.3	6522.0	4683.2	4375.7
70°	483.3	499.8	533.3	660.7	697.5	813.9	3543.6	6316.1	6369.3	4930.9	4122.5
72.5°	310.3	309.2	358.6	533.8	670.1	678.3	1959.6	5017.1	5077.6	4466.3	3333.2
75°	173.6	174.7	202.7	326.8	624.5	638.2	970.5	3577.6	3625.4	3482.1	2561.0
77.5°	68.1	70.3	95.0	171.9	411.9	570.1	576.7	2439.6	2446.8	2157.9	1570.8
80°	27.5	29.1	48.3	106.5	251.0	383.9	411.9	1437.3	1408.2	835.4	457.0
82.5°	8.2	8.8	19.2	60.4	131.3	273.0	277.9	551.4	520.7	179.6	116.4
85°	0.5	0.5	4.4	18.7	46.7	68.7	185.1	179.6	159.3	45.0	51.6
87.5°	0.0	0.0	0.5	0.5	1.1	2.2	19.8	33.0	33.5	8.2	23.1
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°	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0	1473.0
2.5°	1478.0	1458.2	1456.5	1441.2	1425.8	1406.6	1384.0	1367.6	1356.0	1335.7	1331.9
5°	1475.8	1449.4	1424.7	1380.7	1331.9	1279.1	1233.0	1190.2	1163.3	1145.1	1137.4
7.5°	1471.4	1437.9	1380.7	1297.8	1216.0	1123.7	1051.8	985.9	940.8	914.5	902.9
10°	1468.1	1423.0	1330.2	1204.4	1077.6	950.2	840.9	743.1	688.7	645.9	638.7
12.5°	1461.5	1401.6	1265.4	1095.1	931.5	762.3	622.8	503.1	420.2	382.8	369.6
15°	1454.9	1379.1	1200.6	979.8	772.2	563.5	394.3	279.0	221.9	204.3	203.2
17.5°	1453.8	1358.8	1130.3	870.5	605.2	369.1	224.6	180.7	168.6	164.2	164.2
20°	1457.1	1341.8	1061.1	744.7	441.0	224.6	167.5	156.5	149.4	145.5	145.5
22.5°	1460.4	1324.2	994.6	617.9	292.7	164.2	147.7	138.4	130.2	125.8	123.6
25°	1462.6	1305.0	921.0	490.5	191.1	142.8	129.6	117.5	107.6	102.2	102.2
27.5°	1462.0	1281.9	846.9	365.8	148.3	126.9	110.9	98.3	88.4	82.4	82.9
30°	1457.6	1256.6	770.0	255.4	129.6	110.9	95.0	81.8	71.9	67.0	66.5
32.5°	1454.3	1229.7	681.0	179.6	116.4	97.2	80.7	68.1	59.9	56.0	55.5
35°	1450.5	1203.3	596.5	136.8	104.9	84.0	68.1	57.7	51.1	47.8	47.8
37.5°	1451.6	1175.9	504.7	117.5	93.4	73.0	58.2	49.4	43.9	40.6	40.1
40°	1468.6	1159.4	414.7	106.5	82.9	63.2	50.5	42.8	37.3	34.1	33.5
42.5°	1510.9	1160.0	328.4	98.3	73.6	53.8	43.9	36.8	31.9	28.0	27.5
45°	1595.5	1183.0	252.1	89.5	63.7	46.7	37.9	31.3	26.4	23.1	22.5
47.5°	1733.9	1251.7	191.1	81.8	55.5	40.6	32.4	26.4	22.0	19.2	18.7
50°	1954.1	1375.8	150.5	72.5	46.7	35.2	27.5	22.0	18.1	15.4	14.8
52.5°	2218.9	1562.0	129.1	64.3	40.1	30.8	23.6	18.1	14.8	12.6	12.1
55°	2523.1	1784.4	119.2	56.0	34.1	26.4	19.2	14.8	12.1	10.4	9.3
57.5°	2802.1	1984.9	118.6	47.8	29.1	22.5	15.9	12.6	10.4	8.2	7.7
60°	3074.0	2152.4	111.5	39.5	25.3	18.7	13.7	10.4	8.8	7.1	6.6
62.5°	3320.6	2288.6	93.4	31.9	21.4	15.4	11.5	9.3	7.7	6.0	6.0
65°	3630.4	2462.2	71.4	25.8	17.6	12.6	9.9	8.2	7.1	5.5	5.5
67.5°	3950.6	2553.9	51.1	21.4	14.3	11.0	8.8	7.7	6.0	4.9	4.9
70°	3578.2	2157.9	36.8	17.6	12.1	9.3	7.7	7.1	6.0	4.9	4.4
72.5°	2794.4	1555.9	27.5	13.7	10.4	8.8	7.1	6.6	5.5	4.4	4.4
75°	2072.2	907.3	20.9	11.0	8.2	7.1	7.1	6.6	5.5	4.4	3.8
77.5°	1126.5	316.4	15.9	8.8	6.6	5.5	6.0	6.0	4.9	3.8	3.3
80°	298.2	86.8	11.0	6.6	5.5	4.4	4.4	5.5	4.4	3.3	3.3
82.5°	86.8	25.3	7.7	5.5	4.4	3.8	3.8	3.8	3.3	2.7	2.2
85°	42.3	9.3	5.5	4.4	3.8	3.3	2.7	2.7	2.2	1.6	1.6
87.5°	18.7	3.8	4.4	3.8	3.8	2.7	2.2	1.6	1.6	1.1	0.5
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)