

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: P634316

Luminaire Tested: GWS-SA3B-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

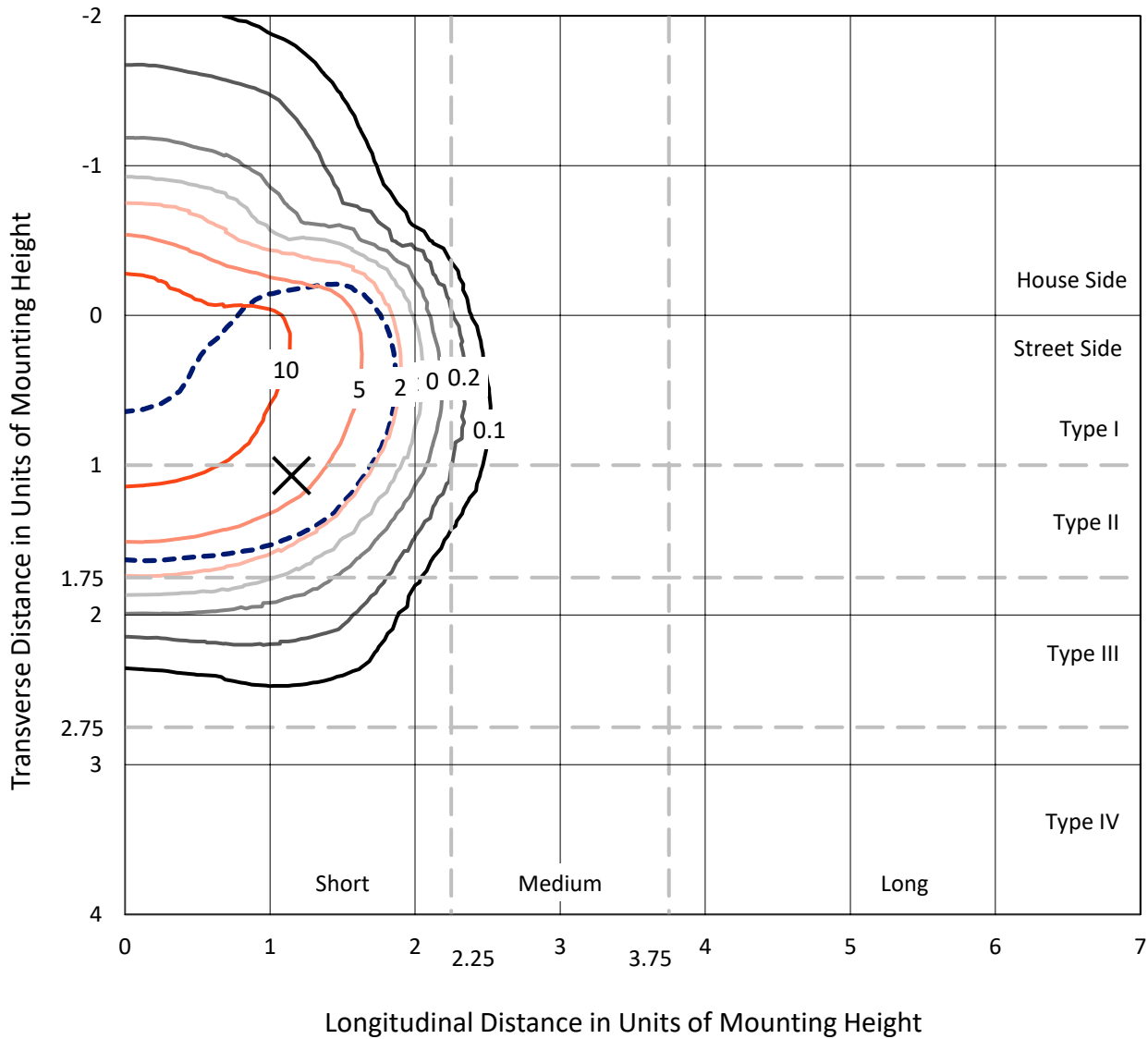
Lumens per Lamp: N/A  
Luminaire Lumens: 6423 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

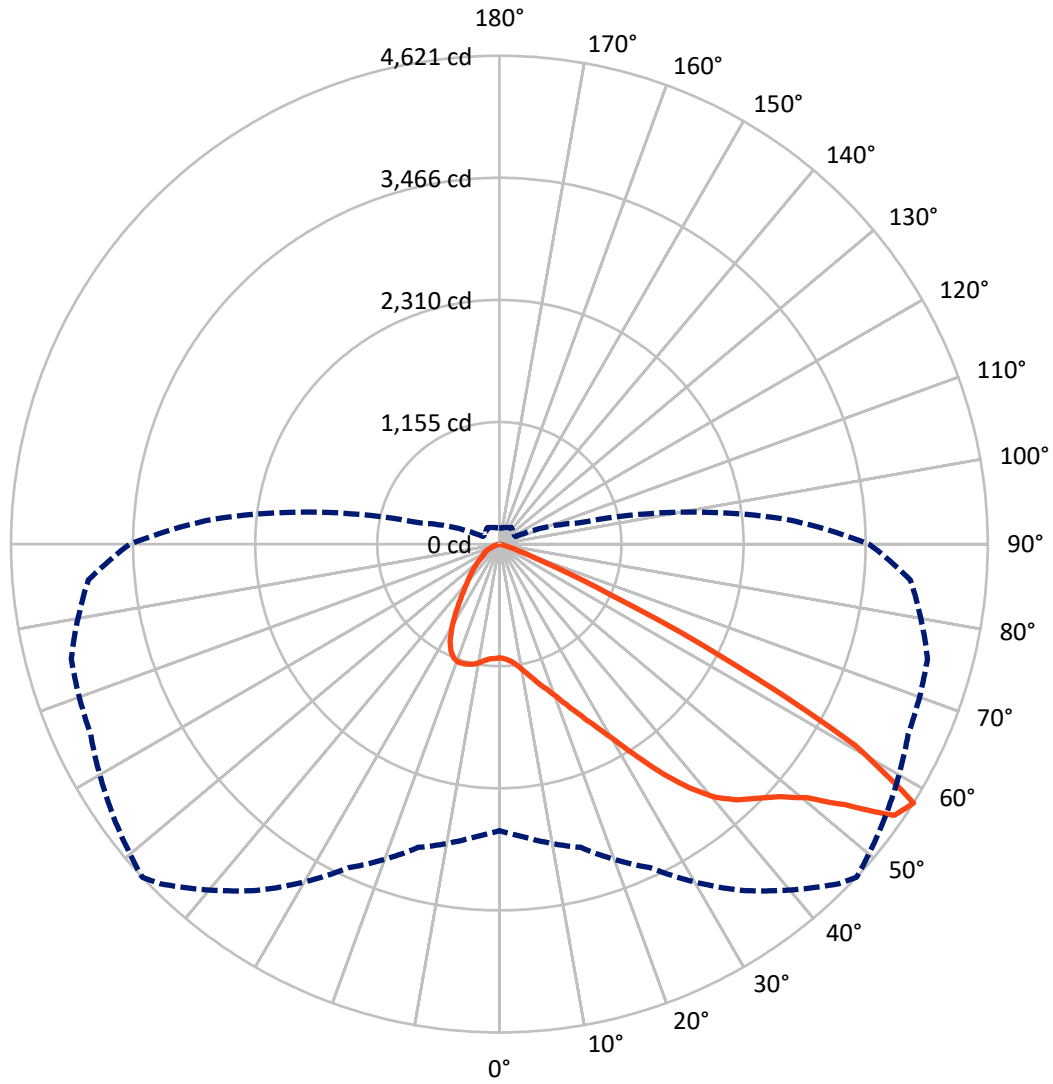
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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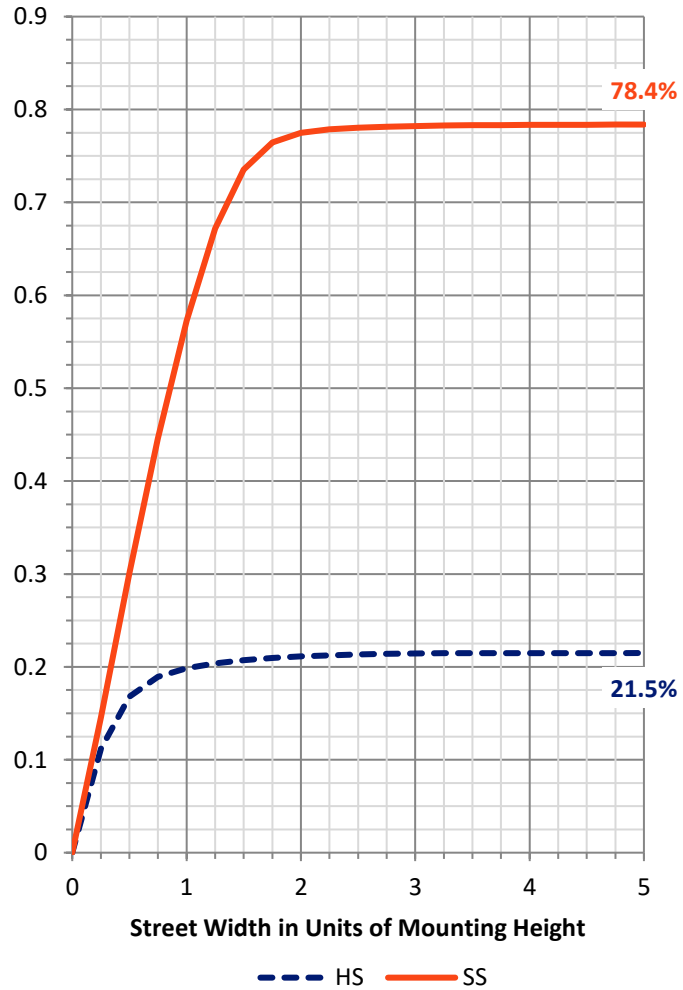
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1393.5	0.0	1393.5
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5029.5	0.0	5029.5
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6423.0	0.0	6423.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	1.7
10°-20°	360.9	5.6
20°-30°	670.2	10.4
30°-40°	1072.9	16.7
40°-50°	1568.3	24.4
50°-60°	1935.5	30.1
60°-70°	646.7	10.1
70°-80°	60.3	0.9
80°-90°	1.2	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°	6423.0	100.0
0°-180°	6423.0	100.0

**Coefficient of Utilization**



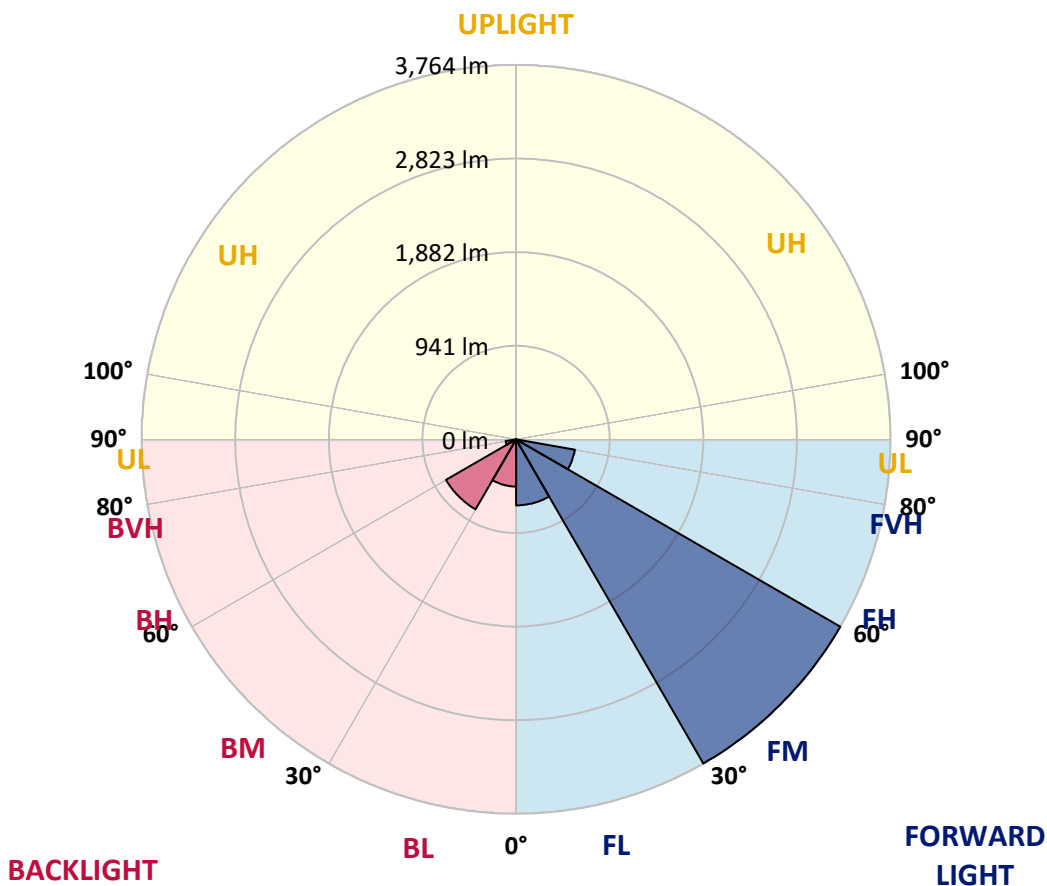
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.8	10.3			
FM (30°-60°)	3763.8	58.6			
FH (60°-80°)	601.1	9.4			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	474.3	7.4	B1/500		
BM (30°-60°)	812.8	12.7	B1/1000		
BH (60°-80°)	105.9	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1086.4	1085.7	1084.9	1089.4	1087.9	1087.1	1088.6	1088.6	1088.6	1084.2	1075.2
5°	1112.5	1112.5	1111.8	1116.2	1112.5	1110.3	1111.0	1111.0	1108.0	1099.8	1088.6
7.5°	1153.5	1152.0	1150.5	1155.0	1151.3	1150.5	1152.0	1147.5	1142.3	1128.9	1113.2
10°	1212.4	1212.4	1210.2	1214.7	1211.7	1210.2	1210.2	1207.2	1197.5	1176.6	1153.5
12.5°	1293.7	1290.0	1284.7	1281.0	1279.5	1278.8	1279.5	1275.0	1264.6	1237.8	1205.7
15°	1382.4	1379.4	1371.2	1365.3	1357.1	1355.6	1360.1	1356.3	1345.9	1309.3	1263.9
17.5°	1494.3	1498.0	1477.1	1464.4	1440.6	1439.1	1440.6	1446.5	1439.1	1392.1	1325.8
20°	1589.7	1592.7	1577.0	1568.1	1546.5	1536.8	1539.8	1549.4	1541.2	1486.1	1393.6
22.5°	1691.9	1695.6	1679.2	1660.5	1650.9	1650.9	1662.0	1675.5	1664.3	1591.9	1471.2
25°	1814.1	1817.1	1803.7	1779.1	1762.0	1783.6	1800.0	1835.8	1817.1	1718.7	1562.9
27.5°	1954.3	1955.1	1935.7	1910.3	1901.4	1941.7	1958.1	2013.2	2005.8	1861.1	1659.8
30°	2104.2	2104.9	2100.5	2083.3	2075.1	2128.1	2150.4	2230.2	2225.0	2037.8	1791.8
32.5°	2260.0	2260.0	2268.2	2266.8	2276.4	2362.9	2398.7	2489.7	2484.5	2254.1	1955.8
35°	2416.6	2417.4	2431.5	2467.3	2507.6	2622.4	2669.4	2779.8	2767.8	2512.8	2165.3
37.5°	2594.8	2587.4	2606.8	2660.5	2749.9	2882.7	2927.4	3032.5	3019.1	2777.5	2439.0
40°	2809.6	2796.2	2796.2	2858.8	2960.2	3113.1	3151.1	3203.3	3157.8	2991.5	2707.4
42.5°	3046.7	3034.0	3017.6	3072.8	3157.8	3277.1	3308.4	3294.3	3257.0	3193.6	3013.1
45°	3286.8	3267.4	3278.6	3312.1	3361.4	3418.0	3430.0	3364.3	3347.2	3365.1	3265.9
47.5°	3469.5	3456.1	3483.6	3530.6	3570.9	3579.1	3570.9	3479.9	3478.4	3541.8	3441.1
50°	3530.6	3532.1	3608.2	3711.1	3775.9	3782.6	3771.5	3667.1	3652.9	3671.5	3535.8
52.5°	3536.6	3542.5	3653.7	3849.8	4026.5	4107.0	4098.1	3985.5	3846.8	3826.6	3679.0
55°	3392.7	3427.7	3582.8	3869.1	4244.9	4502.2	4532.0	4316.5	4110.7	4093.6	3987.0
57.5°	2711.9	2783.5	2970.6	3378.5	4001.1	4543.2	4620.7	4465.7	4266.6	4193.5	3904.2
60°	1621.0	1709.8	1889.5	2389.8	3045.2	3734.2	3867.6	3889.3	3797.6	3586.5	2995.2
62.5°	695.7	688.2	909.7	1292.9	1811.2	2373.4	2433.8	2527.7	2607.5	2386.8	1817.9
65°	238.6	259.5	360.9	583.1	906.7	1102.1	1155.7	1240.0	1353.3	1117.0	665.9
67.5°	147.6	156.6	208.0	344.5	489.1	481.7	457.8	444.4	432.5	296.0	182.7
70°	107.4	114.8	146.1	237.1	328.8	231.1	200.6	162.6	180.4	166.3	129.7
72.5°	72.3	78.3	100.7	143.9	168.5	112.6	104.4	118.6	143.2	136.5	105.9
75°	43.2	47.0	57.4	70.1	68.6	58.2	58.9	83.5	109.6	102.2	75.3
77.5°	29.8	31.3	38.0	45.5	33.6	17.9	16.4	23.1	37.3	37.3	25.4
80°	7.5	9.7	9.7	6.0	5.2	4.5	4.5	6.7	10.4	7.5	3.7
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
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°	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2	1075.2
2.5°	1080.4	1071.5	1077.5	1076.0	1080.4	1081.9	1075.2	1073.7	1074.5	1065.5	1062.5
5°	1090.9	1080.4	1083.4	1080.4	1085.7	1090.1	1087.9	1090.9	1094.6	1087.9	1084.9
7.5°	1113.2	1102.8	1102.1	1097.6	1105.0	1108.0	1107.3	1115.5	1122.9	1118.5	1114.0
10°	1152.0	1137.9	1136.4	1132.6	1134.9	1137.1	1128.9	1130.4	1137.1	1131.9	1129.6
12.5°	1199.7	1182.6	1178.9	1169.9	1169.9	1158.7	1140.8	1137.1	1142.3	1138.6	1134.9
15°	1251.2	1228.1	1222.1	1206.5	1191.5	1170.7	1152.0	1147.5	1151.3	1146.8	1143.8
17.5°	1308.6	1282.5	1263.1	1235.5	1202.7	1178.1	1157.2	1147.5	1141.6	1132.6	1131.9
20°	1365.3	1331.0	1298.2	1254.2	1210.9	1173.6	1139.3	1114.0	1092.4	1078.9	1073.7
22.5°	1430.9	1380.2	1327.2	1265.4	1203.5	1146.8	1086.4	1043.2	1005.9	993.2	987.2
25°	1501.0	1435.4	1356.3	1275.8	1178.1	1087.1	1005.1	941.0	891.8	875.4	868.7
27.5°	1578.5	1488.3	1386.2	1273.6	1125.9	1002.1	893.3	813.5	765.0	750.1	755.3
30°	1677.0	1556.9	1423.4	1250.4	1047.6	882.8	755.3	688.2	651.7	637.5	638.3
32.5°	1808.2	1655.3	1477.9	1201.2	947.0	747.1	635.3	586.1	561.5	542.8	541.3
35°	1996.1	1805.2	1528.6	1122.2	824.7	626.3	545.1	506.3	472.0	450.4	454.1
37.5°	2221.3	1993.8	1556.2	1015.6	687.5	532.4	477.2	437.7	398.9	366.9	370.6
40°	2488.2	2240.7	1553.9	875.4	562.2	468.3	420.5	374.3	325.8	296.8	299.7
42.5°	2785.7	2474.0	1505.5	727.0	466.0	416.1	366.1	308.0	261.0	243.1	243.8
45°	3043.7	2663.4	1420.4	573.4	392.2	365.4	309.4	249.8	228.9	216.2	215.5
47.5°	3234.6	2802.1	1298.9	451.1	332.6	319.1	254.3	223.7	207.3	196.8	195.4
50°	3341.2	2850.6	1164.7	353.4	281.1	270.7	227.4	202.8	191.6	184.9	183.4
52.5°	3484.4	2908.8	1068.5	278.9	235.6	221.5	209.5	188.6	181.2	176.0	173.7
55°	3711.1	3021.3	985.0	221.5	196.1	193.1	197.6	180.4	176.0	167.8	164.8
57.5°	3497.8	2714.1	765.0	171.5	165.5	176.7	190.9	172.2	161.1	153.6	150.6
60°	2461.4	1804.5	384.8	137.9	147.6	165.5	179.7	155.8	144.7	146.1	144.7
62.5°	1357.1	903.0	173.0	115.6	128.3	146.1	153.6	135.0	127.5	140.2	142.4
65°	443.7	307.2	99.9	89.5	101.4	119.3	132.7	128.3	126.8	141.7	146.1
67.5°	136.5	101.4	67.9	64.1	70.1	88.0	111.8	138.7	149.1	153.6	155.8
70°	102.2	79.8	58.2	54.4	57.4	67.1	94.7	115.6	108.9	109.6	108.1
72.5°	82.0	63.4	50.0	47.7	47.7	46.2	50.0	62.6	70.8	74.6	74.6
75°	57.4	44.7	38.0	35.0	27.6	22.4	20.1	20.1	17.9	17.1	16.4
77.5°	19.4	16.4	14.9	11.9	8.2	6.7	6.0	5.2	3.7	2.2	1.5
80°	3.0	2.2	1.5	1.5	1.5	0.7	0.7	0.7	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.7	0.7	0.7	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)