

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: P630553

Luminaire Tested: GWS-SA1D-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

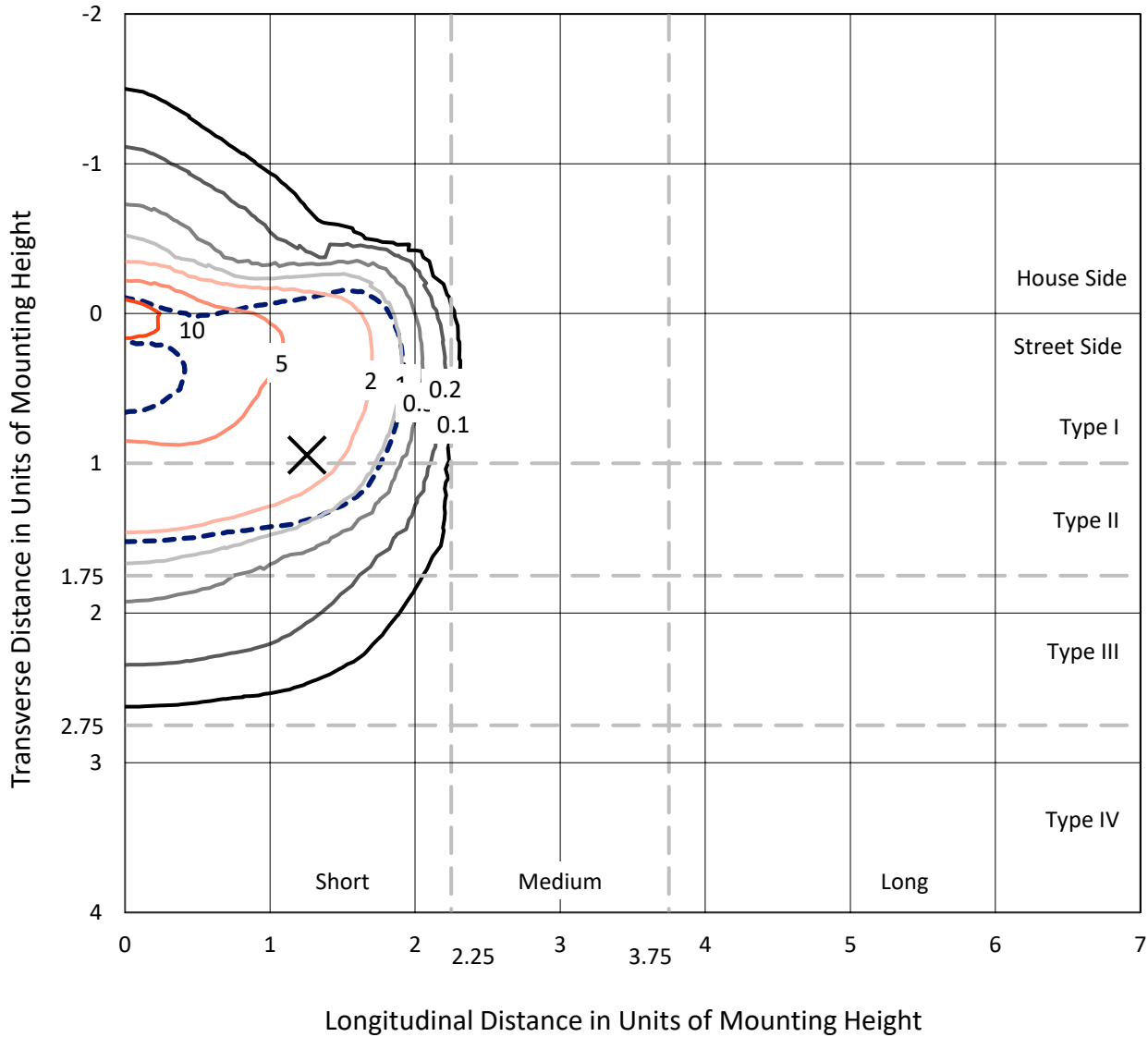
Lumens per Lamp: N/A  
Luminaire Lumens: 2817.4 lumens  
Efficiency: N/A  
Efficacy: 63.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

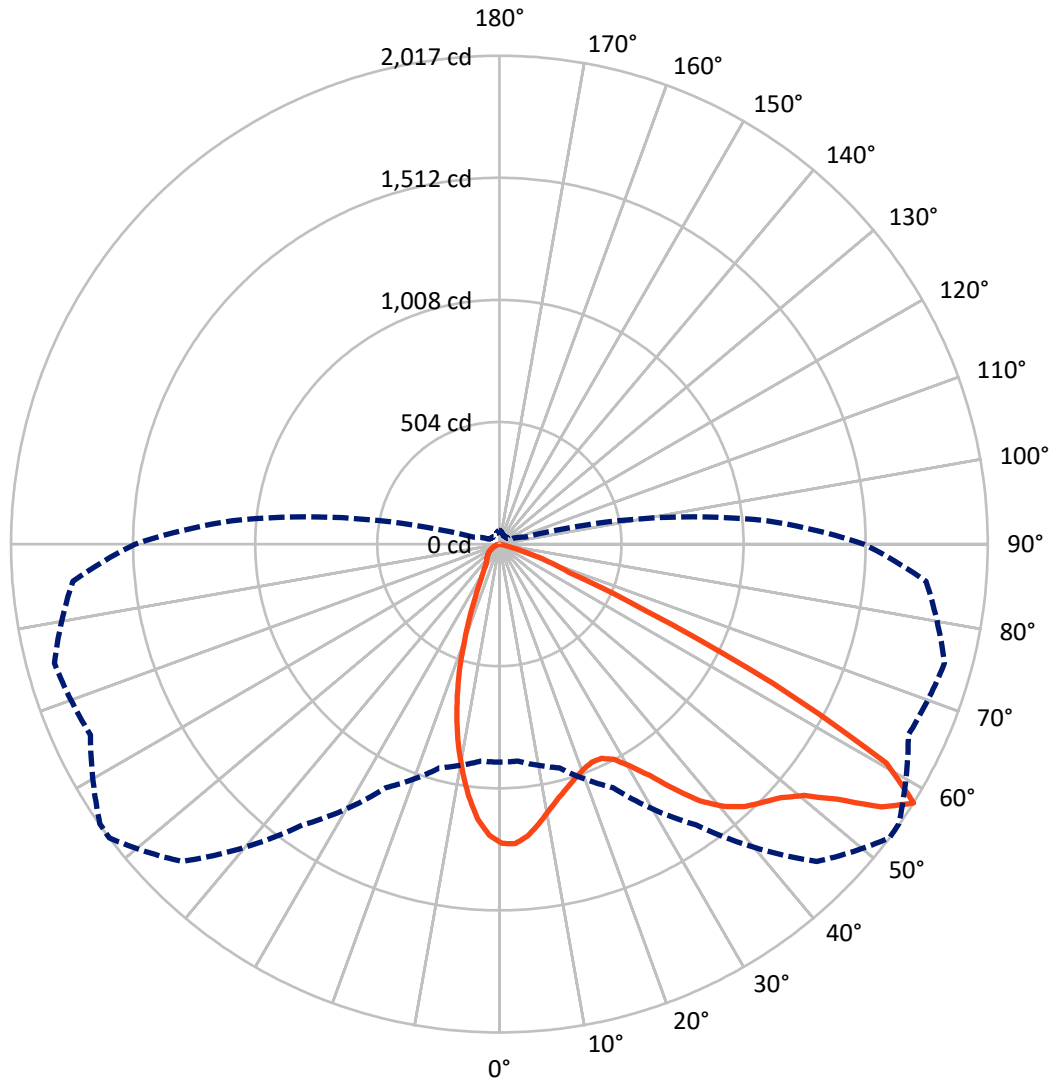
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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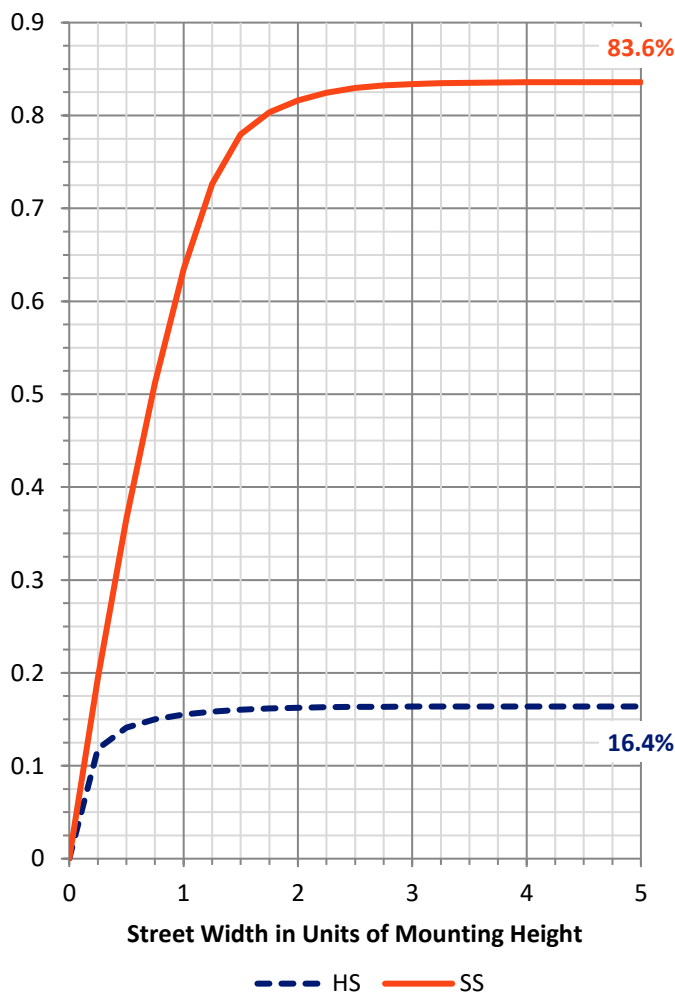
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	465.4	0.0	465.4
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2352.0	0.0	2352.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2817.4	0.0	2817.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	3.8
10°-20°	232.1	8.2
20°-30°	302.4	10.7
30°-40°	438.7	15.6
40°-50°	632.9	22.5
50°-60°	765.5	27.2
60°-70°	312.0	11.1
70°-80°	28.0	1.0
80°-90°	0.0	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°	2817.4	100.0
0°-180°	2817.4	100.0

**Coefficient of Utilization**



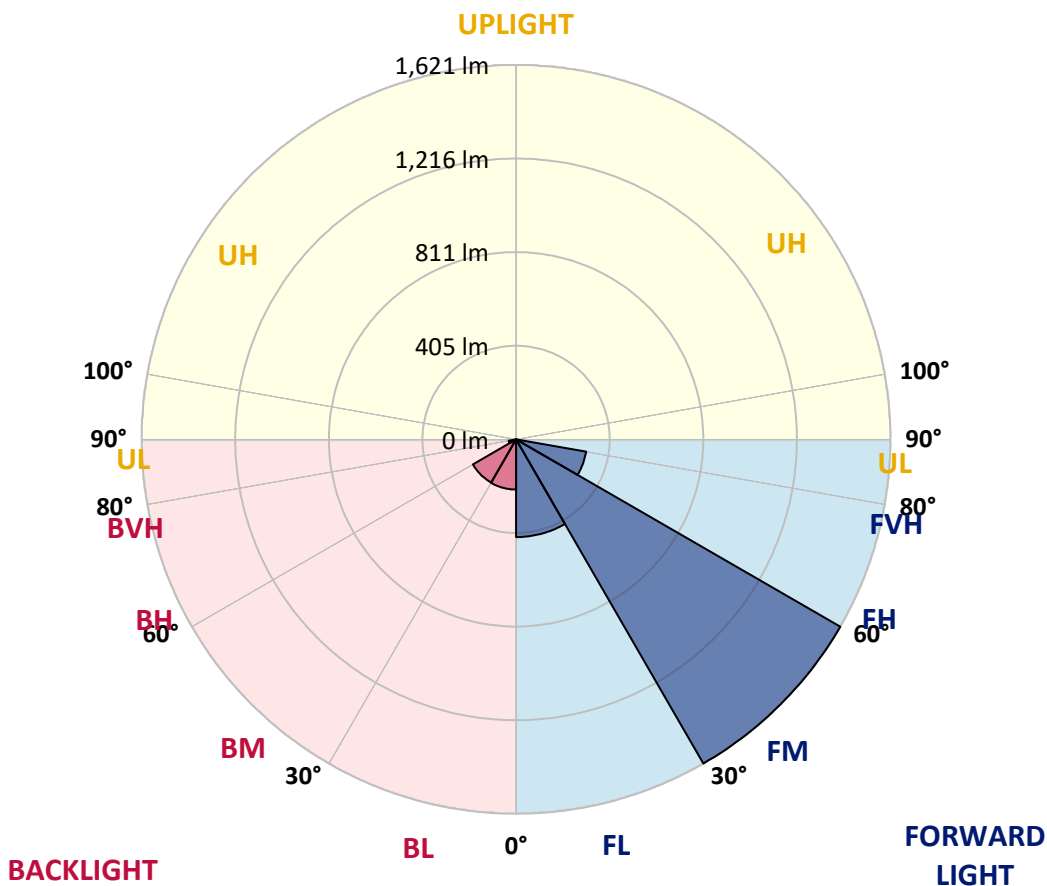
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.1	15.0			
FM (30°-60°)	1621.1	57.5			
FH (60°-80°)	307.8	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	217.2	7.7	B1/500		
BM (30°-60°)	216.0	7.7	B0/220		
BH (60°-80°)	32.2	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	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°	53°	55°	65°	75°	85°
0°	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9
2.5°	1218.6	1221.4	1226.2	1232.4	1236.6	1238.6	1238.6	1244.5	1240.7	1237.6	1234.1
5°	1166.5	1169.2	1175.8	1185.8	1195.8	1203.1	1211.4	1217.6	1220.0	1220.0	1214.1
7.5°	1092.9	1096.7	1100.9	1114.7	1136.4	1152.7	1166.8	1175.8	1188.9	1193.1	1184.8
10°	1013.8	1017.6	1027.0	1046.0	1070.8	1095.0	1119.2	1130.6	1153.0	1164.7	1155.4
12.5°	946.8	948.6	961.0	983.8	1015.6	1048.7	1078.1	1089.8	1121.6	1139.2	1128.1
15°	891.6	892.6	905.1	930.3	966.9	1007.6	1044.6	1056.7	1095.7	1122.3	1105.7
17.5°	849.8	850.2	860.9	888.1	926.5	971.7	1015.6	1030.4	1080.8	1112.9	1088.1
20°	828.7	827.7	835.3	859.1	895.4	940.6	992.4	1010.7	1072.5	1111.6	1074.6
22.5°	829.1	826.7	829.8	846.7	877.4	919.9	977.9	998.6	1073.2	1117.4	1063.2
25°	848.8	845.3	846.0	855.0	876.7	915.4	980.0	1002.1	1087.0	1137.1	1059.1
27.5°	881.9	878.1	878.1	882.6	894.4	929.6	1005.9	1031.1	1124.0	1175.4	1067.7
30°	924.7	920.9	919.6	924.1	933.7	966.2	1063.6	1089.8	1187.2	1238.3	1095.3
32.5°	973.8	969.3	971.7	977.9	987.2	1032.1	1137.8	1172.7	1266.3	1322.9	1145.1
35°	1025.6	1021.8	1032.8	1046.3	1060.8	1123.6	1240.4	1270.7	1363.3	1428.2	1221.0
37.5°	1075.0	1073.2	1096.4	1124.7	1154.7	1233.5	1344.6	1368.1	1446.5	1542.9	1313.9
40°	1124.3	1124.0	1163.7	1213.4	1261.4	1342.9	1423.7	1443.1	1497.3	1631.9	1403.0
42.5°	1179.6	1179.6	1234.5	1300.8	1364.7	1435.5	1481.7	1490.4	1520.1	1683.4	1470.0
45°	1232.4	1235.5	1299.1	1376.1	1451.7	1507.6	1521.8	1522.5	1529.4	1713.8	1525.6
47.5°	1274.2	1277.0	1352.9	1441.7	1523.2	1562.5	1564.6	1561.5	1553.9	1742.8	1568.4
50°	1308.0	1312.2	1391.6	1485.5	1572.2	1615.4	1631.3	1628.1	1608.8	1773.9	1598.5
52.5°	1324.6	1330.5	1405.1	1507.3	1626.8	1705.8	1750.0	1757.3	1691.0	1791.1	1627.1
55°	1192.0	1200.7	1269.4	1409.2	1657.2	1845.7	1915.1	1913.7	1780.1	1842.6	1696.9
57.5°	900.2	899.5	956.5	1109.5	1415.4	1853.6	2016.6	2013.9	1863.3	1902.3	1768.3
60°	612.9	608.8	624.0	697.9	989.7	1510.1	1835.3	1872.6	1804.3	1757.3	1501.4
62.5°	504.5	500.7	495.9	475.5	568.4	940.6	1268.0	1324.6	1315.6	1221.4	941.7
65°	413.0	416.1	429.6	420.9	395.4	482.4	658.2	691.7	632.3	532.1	329.1
67.5°	304.6	305.9	323.6	369.1	355.3	321.1	309.7	315.3	184.7	84.9	54.9
70°	179.9	180.9	197.2	258.3	288.3	246.6	209.3	206.2	73.2	22.8	24.9
72.5°	101.9	99.8	102.9	122.9	157.1	130.9	107.7	98.1	22.1	12.8	12.8
75°	48.3	47.0	40.4	38.0	34.5	22.1	13.8	11.7	5.5	5.2	5.2
77.5°	0.3	1.0	0.7	1.0	1.0	0.7	0.3	0.3	1.0	1.0	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9	1235.9
2.5°	1227.9	1217.6	1215.2	1214.5	1204.8	1194.4	1183.7	1179.6	1173.4	1169.6	1172.7
5°	1204.8	1189.9	1176.8	1164.7	1143.3	1119.8	1099.5	1086.4	1073.9	1065.6	1067.7
7.5°	1172.0	1152.7	1122.6	1091.9	1052.5	1017.3	977.9	953.8	931.3	918.9	924.7
10°	1137.1	1111.6	1063.6	1011.4	949.6	894.4	838.1	792.1	765.6	740.3	743.1
12.5°	1102.9	1069.1	997.3	918.2	840.1	758.7	673.7	610.2	566.7	535.2	530.4
15°	1071.2	1027.6	932.7	828.4	722.0	613.6	505.2	414.4	364.0	332.9	330.8
17.5°	1042.8	989.0	865.7	734.5	601.2	462.4	337.7	269.7	240.7	227.2	225.8
20°	1015.6	950.0	797.3	639.2	469.3	324.6	233.1	201.7	192.3	186.8	187.5
22.5°	989.3	907.5	725.5	533.5	351.9	227.9	180.6	168.5	167.5	168.2	168.5
25°	967.2	868.5	651.6	431.6	251.0	173.7	150.9	147.4	150.6	155.0	155.7
27.5°	955.8	836.7	579.4	329.1	181.6	141.2	130.9	132.3	137.8	142.6	143.3
30°	958.9	812.9	504.8	238.6	139.9	119.1	115.7	118.4	124.0	128.5	129.1
32.5°	981.0	800.8	428.5	173.7	115.0	103.9	102.6	104.6	109.5	112.9	113.3
35°	1024.9	803.5	356.0	132.9	98.8	92.5	92.2	93.6	96.0	98.4	98.8
37.5°	1089.5	826.0	284.5	110.5	89.4	84.9	83.6	83.6	85.3	86.3	87.0
40°	1158.9	859.8	227.9	97.7	82.9	78.0	75.3	74.2	75.6	77.0	77.3
42.5°	1216.2	893.7	185.1	88.7	77.7	71.1	67.7	67.0	68.7	71.1	71.8
45°	1260.0	919.9	154.4	81.5	71.8	64.6	60.8	60.8	63.9	68.0	68.7
47.5°	1300.1	941.0	131.6	74.9	66.3	58.7	54.9	55.6	60.8	66.3	67.3
50°	1327.4	957.9	114.6	69.1	61.8	53.9	50.4	51.8	58.0	64.6	65.6
52.5°	1356.7	978.6	103.6	63.9	57.7	50.1	47.0	48.0	54.9	62.2	63.5
55°	1437.9	1048.0	103.2	57.0	50.4	44.9	43.5	43.9	50.8	59.0	60.8
57.5°	1504.2	1109.1	110.2	48.0	42.1	39.4	38.7	39.0	45.2	54.6	56.6
60°	1244.5	861.9	91.2	39.7	35.2	34.5	33.5	34.2	40.1	48.3	50.1
62.5°	736.6	492.8	43.5	30.4	30.0	29.4	28.3	29.7	35.2	42.5	43.5
65°	251.7	146.1	27.6	24.9	25.6	24.5	23.5	24.9	29.7	33.8	34.2
67.5°	48.3	38.7	22.1	20.7	21.1	19.0	18.6	20.0	22.8	23.5	23.1
70°	25.2	22.4	16.9	16.9	16.2	13.5	13.5	14.8	14.8	13.8	13.5
72.5°	13.1	12.4	11.0	12.4	10.4	8.3	8.3	9.0	8.3	6.9	6.9
75°	5.2	5.2	4.8	6.2	4.5	3.8	3.5	4.1	3.1	2.4	2.4
77.5°	1.4	1.4	1.4	1.7	1.0	1.0	0.7	0.7	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)