

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: P629444

Luminaire Tested: GWS-SA1B-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

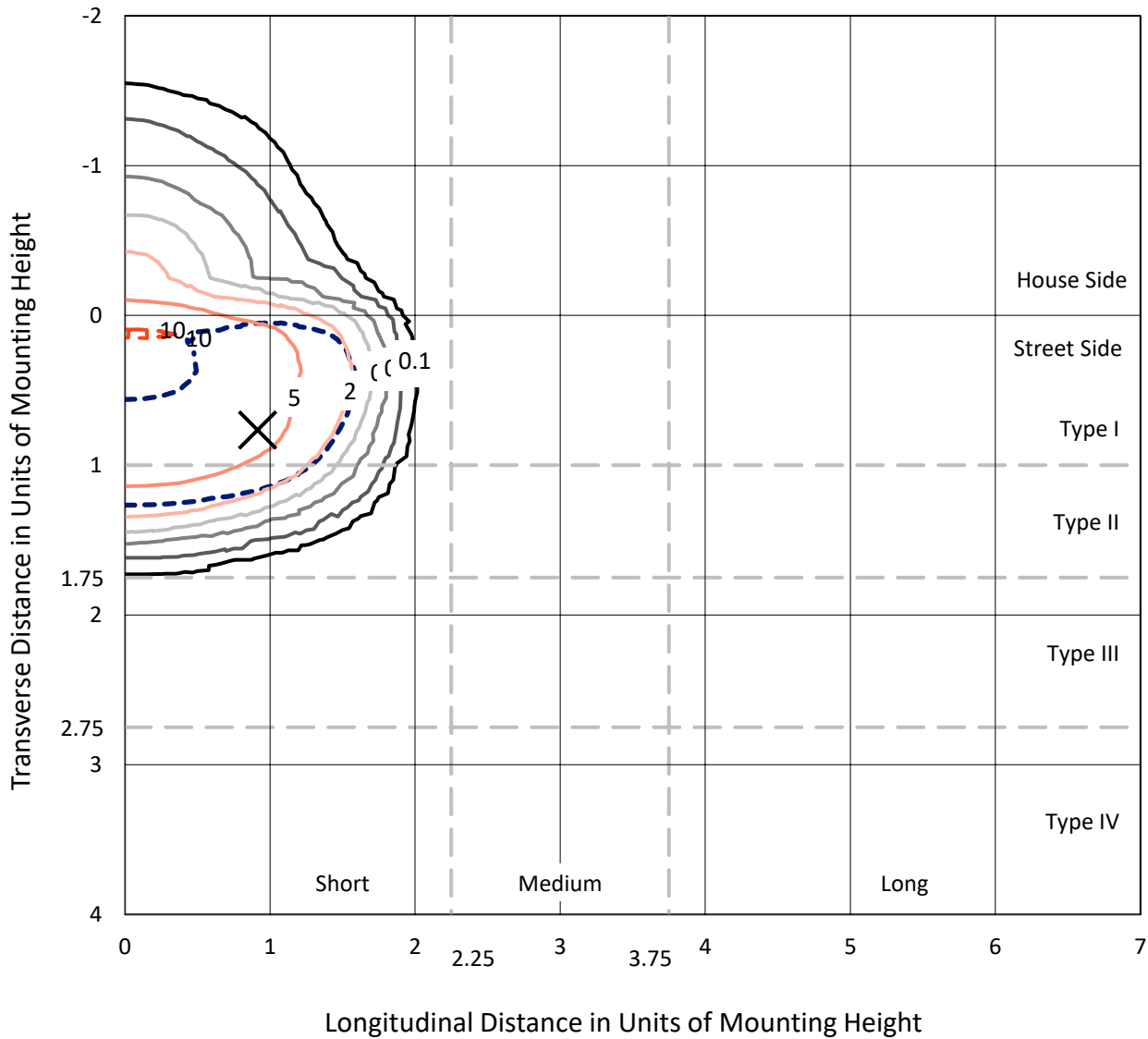
Lumens per Lamp: N/A  
Luminaire Lumens: 2723.3 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

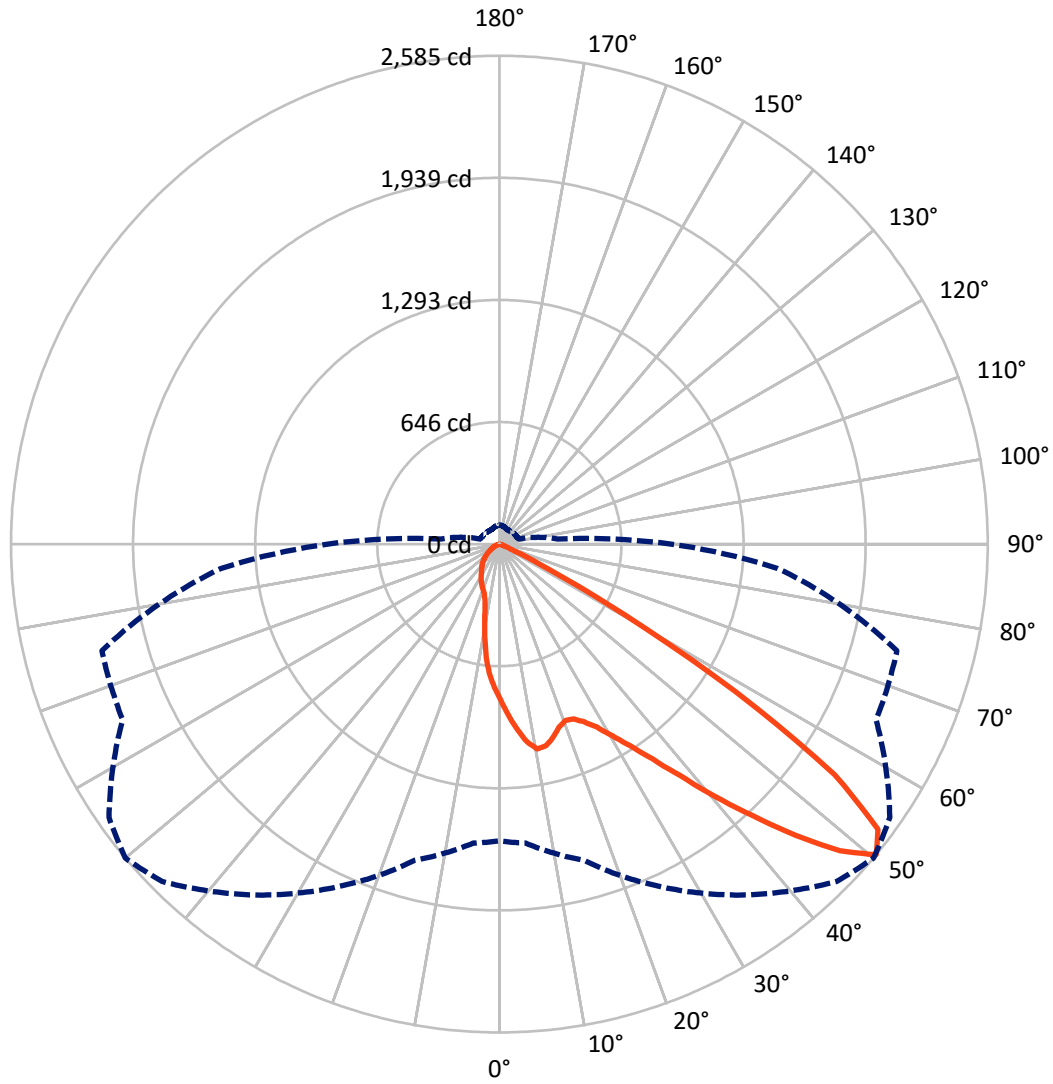
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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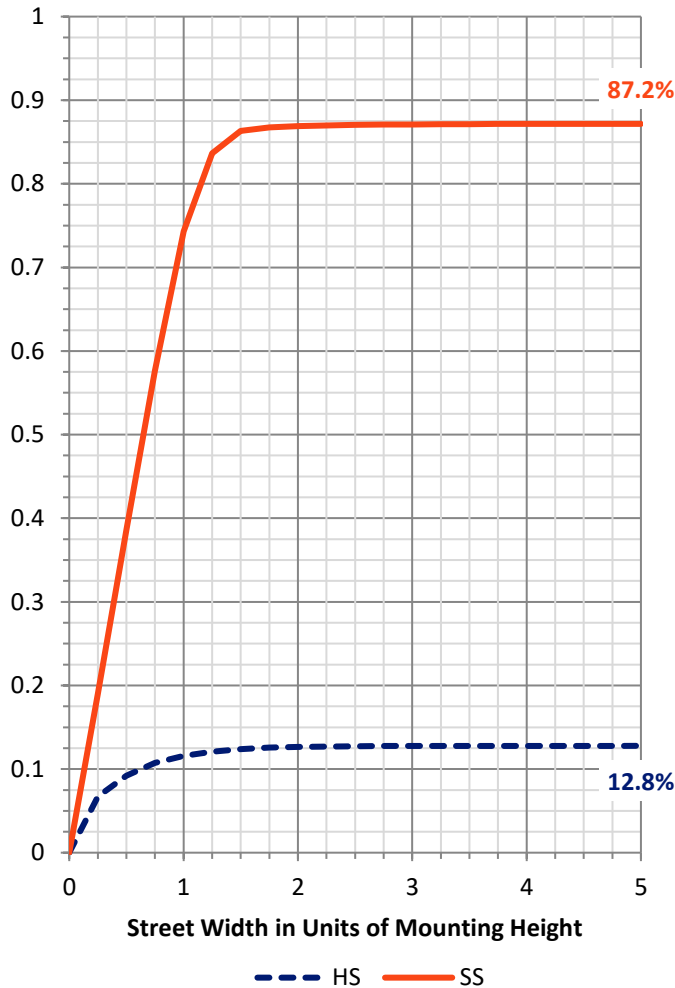
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	349.9	0.0	349.9
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	2373.4	0.0	2373.4
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	2723.3	0.0	2723.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	2.8
10°-20°	197.5	7.3
20°-30°	325.9	12.0
30°-40°	537.8	19.7
40°-50°	850.9	31.2
50°-60°	644.2	23.7
60°-70°	80.6	3.0
70°-80°	9.1	0.3
80°-90°	0.7	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°	2723.3	100.0
0°-180°	2723.3	100.0

**Coefficient of Utilization**



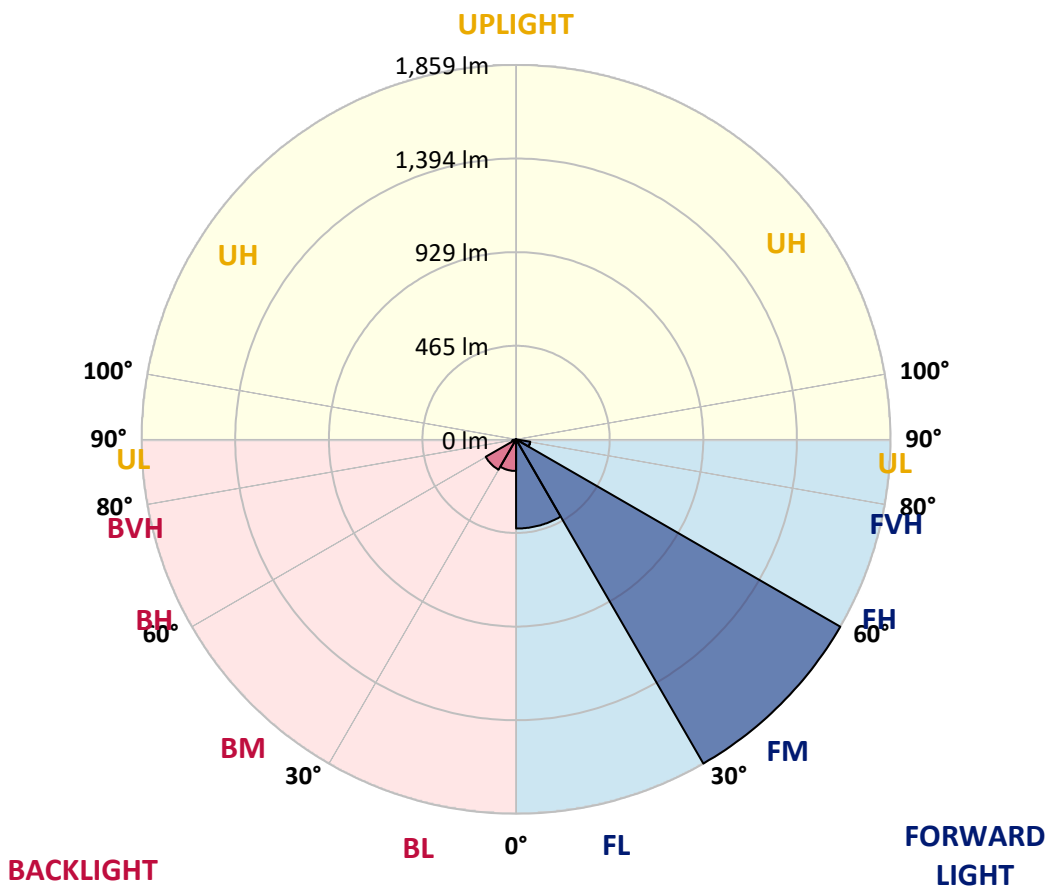
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.8	16.3			
FM (30°-60°)	1858.9	68.3			
FH (60°-80°)	71.3	2.6			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	157.1	5.8	B1/500		
BM (30°-60°)	174.0	6.4	B0/220		
BH (60°-80°)	18.5	0.7	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°	50°	55°	65°	75°	85°
0°	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1
2.5°	940.1	947.7	945.6	935.7	925.1	917.6	905.9	902.3	875.9	857.5	838.0
5°	1053.7	1056.0	1053.4	1041.5	1022.8	1004.9	985.8	974.6	930.3	890.4	849.7
7.5°	1080.9	1078.0	1083.0	1088.9	1086.3	1078.6	1058.3	1046.2	993.3	928.2	866.5
10°	995.9	989.4	1007.8	1038.6	1071.0	1107.6	1102.4	1103.4	1054.7	975.9	888.6
12.5°	883.1	880.5	894.3	930.0	993.5	1076.5	1096.4	1129.9	1111.0	1027.5	913.7
15°	833.6	834.9	843.2	865.7	911.4	1014.5	1062.5	1122.9	1161.2	1077.5	941.4
17.5°	841.1	845.8	845.5	853.0	880.8	963.5	1019.5	1100.8	1200.1	1135.1	973.3
20°	892.2	896.9	889.9	884.2	893.5	950.5	996.9	1078.6	1226.3	1193.1	1007.0
22.5°	968.7	974.1	957.5	941.2	935.2	971.8	1005.5	1069.5	1246.3	1246.3	1037.1
25°	1061.2	1068.7	1043.0	1014.0	997.4	1016.6	1042.0	1090.0	1266.7	1294.0	1057.6
27.5°	1164.6	1164.9	1142.8	1110.2	1079.1	1081.4	1096.7	1136.1	1289.3	1345.3	1073.6
30°	1281.0	1281.8	1252.5	1213.3	1174.2	1163.6	1176.5	1206.3	1336.2	1409.8	1095.9
32.5°	1431.3	1435.0	1393.0	1335.4	1284.6	1264.7	1272.2	1303.5	1410.9	1490.7	1129.4
35°	1634.6	1638.4	1576.5	1500.5	1419.7	1389.6	1397.1	1428.7	1518.9	1605.5	1182.8
37.5°	1835.2	1840.4	1777.6	1706.9	1595.9	1546.2	1553.9	1584.0	1681.2	1764.2	1268.3
40°	1973.9	1980.8	1961.4	1913.7	1810.8	1745.5	1754.8	1765.7	1859.8	1953.9	1379.2
42.5°	2046.9	2056.8	2065.1	2089.5	2035.3	1980.6	1964.8	1965.6	2041.5	2147.3	1494.6
45°	2051.4	2060.9	2103.5	2197.5	2238.8	2227.4	2198.6	2179.1	2180.2	2276.1	1566.6
47.5°	1908.8	1926.7	2006.3	2190.5	2345.6	2440.2	2425.6	2379.5	2238.5	2284.6	1558.9
50°	1571.0	1588.7	1733.3	1998.5	2267.8	2525.2	2585.1	2523.1	2200.4	2178.1	1478.8
52.5°	1141.0	1142.8	1236.7	1546.4	1952.6	2368.4	2509.4	2503.4	2142.3	2049.0	1369.4
55°	542.0	535.5	641.0	872.7	1350.5	1915.5	2153.2	2220.6	2059.9	1955.7	1284.6
57.5°	157.9	161.0	207.9	340.6	675.5	1224.2	1474.6	1600.1	1690.8	1607.9	996.4
60°	70.8	71.0	79.1	103.7	225.0	569.5	762.3	917.6	1010.9	936.8	494.3
62.5°	51.3	51.6	54.7	58.6	76.5	192.8	285.9	381.0	388.0	254.0	125.2
65°	42.8	42.8	43.3	43.3	45.9	68.9	86.8	112.0	94.4	70.0	49.0
67.5°	34.5	34.7	35.3	35.3	34.5	34.5	37.3	41.0	43.8	54.2	45.1
70°	27.0	26.7	26.7	27.0	26.2	22.3	24.1	27.5	30.1	42.3	39.1
72.5°	21.0	21.3	21.0	20.0	18.1	13.2	14.3	17.9	19.2	26.4	26.4
75°	15.8	16.1	15.0	11.4	7.5	4.1	5.4	8.8	11.1	13.0	9.6
77.5°	2.1	2.1	1.6	1.6	1.3	1.6	1.6	2.1	3.1	3.1	2.3
80°	0.3	0.3	0.3	0.5	0.8	1.0	1.0	1.0	1.0	1.3	1.3
82.5°	0.3	0.3	0.3	0.3	0.8	0.8	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.3	0.5	0.8	0.8	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.3	0.5	0.8	0.8	0.8	1.0	1.0	1.0
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°	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1	825.1
2.5°	826.3	811.3	793.2	780.7	763.1	751.4	734.8	723.7	714.1	706.6	710.7
5°	826.6	802.8	765.7	734.1	699.6	668.0	634.0	607.3	583.2	572.3	578.3
7.5°	831.8	797.6	740.8	684.6	618.5	553.1	492.0	442.2	417.6	405.9	409.5
10°	841.9	795.2	713.1	619.8	512.4	423.3	363.9	330.2	316.5	309.2	310.5
12.5°	851.2	793.7	677.0	534.5	404.4	328.4	297.6	292.9	295.8	296.0	295.8
15°	863.9	790.8	632.5	446.9	323.5	283.8	284.6	291.3	298.1	300.2	299.6
17.5°	877.4	786.4	574.9	362.9	274.5	270.9	279.9	289.0	295.8	296.8	297.0
20°	891.4	777.4	509.3	296.3	251.7	261.0	271.1	277.9	282.8	284.3	284.9
22.5°	897.9	758.2	433.7	248.6	236.4	248.8	256.4	265.2	266.7	261.0	262.1
25°	894.5	725.8	359.8	216.4	221.1	233.5	244.7	240.3	233.8	229.7	231.0
27.5°	883.9	682.7	287.5	192.8	204.8	220.6	221.9	217.0	215.9	212.5	213.6
30°	872.5	633.2	231.2	173.9	188.2	204.8	200.9	202.7	203.0	199.1	200.4
32.5°	865.5	581.4	184.0	161.2	177.6	180.7	188.4	192.1	192.3	183.3	184.8
35°	867.8	530.3	155.8	150.9	167.7	166.9	177.8	179.9	164.9	152.4	153.7
37.5°	886.7	483.2	139.7	142.8	150.6	156.6	164.9	151.1	147.7	142.0	142.8
40°	922.0	443.0	130.1	137.9	138.9	148.5	135.8	137.6	137.9	134.3	135.0
42.5°	963.2	409.5	124.4	135.0	132.5	134.0	121.3	124.9	128.8	127.3	127.5
45°	983.9	376.9	119.5	125.2	126.0	111.2	108.3	112.2	117.2	117.9	118.2
47.5°	965.5	345.8	114.3	110.9	116.1	101.3	98.0	99.3	105.0	108.1	108.6
50°	909.3	310.0	106.5	98.2	95.4	91.0	87.9	88.1	94.6	100.1	101.1
52.5°	830.2	272.7	93.8	83.2	76.7	80.1	80.9	79.3	85.3	90.7	91.8
55°	753.5	226.0	74.4	67.7	61.7	68.9	71.0	68.9	70.8	74.4	74.7
57.5°	530.6	127.8	57.0	56.0	51.1	59.1	62.5	59.4	56.2	58.6	59.1
60°	246.0	66.9	43.8	43.8	42.5	50.8	56.5	52.1	46.1	47.2	48.0
62.5°	77.0	42.3	32.1	30.3	34.7	43.3	48.0	43.5	36.5	36.5	37.6
65°	43.5	36.3	25.4	23.3	28.3	34.7	37.6	32.9	26.7	26.2	26.2
67.5°	40.4	34.5	22.6	18.9	20.0	22.3	23.3	20.2	18.4	18.1	18.4
70°	33.4	28.8	18.1	13.0	12.2	11.9	12.4	11.7	11.1	11.4	12.2
72.5°	20.7	17.4	11.4	7.8	6.7	6.5	6.5	6.5	6.2	6.2	6.2
75°	7.5	6.5	5.2	3.9	3.4	3.1	3.1	3.4	3.1	2.9	2.6
77.5°	2.3	2.1	2.1	2.1	1.8	1.6	1.3	1.3	1.0	0.8	0.8
80°	1.3	1.3	1.3	1.3	1.0	1.0	0.8	0.5	0.3	0.3	0.0
82.5°	1.3	1.3	1.3	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.3	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)