

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: P630549

Luminaire Tested: GWS-SA1D-830-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630549  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-830-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

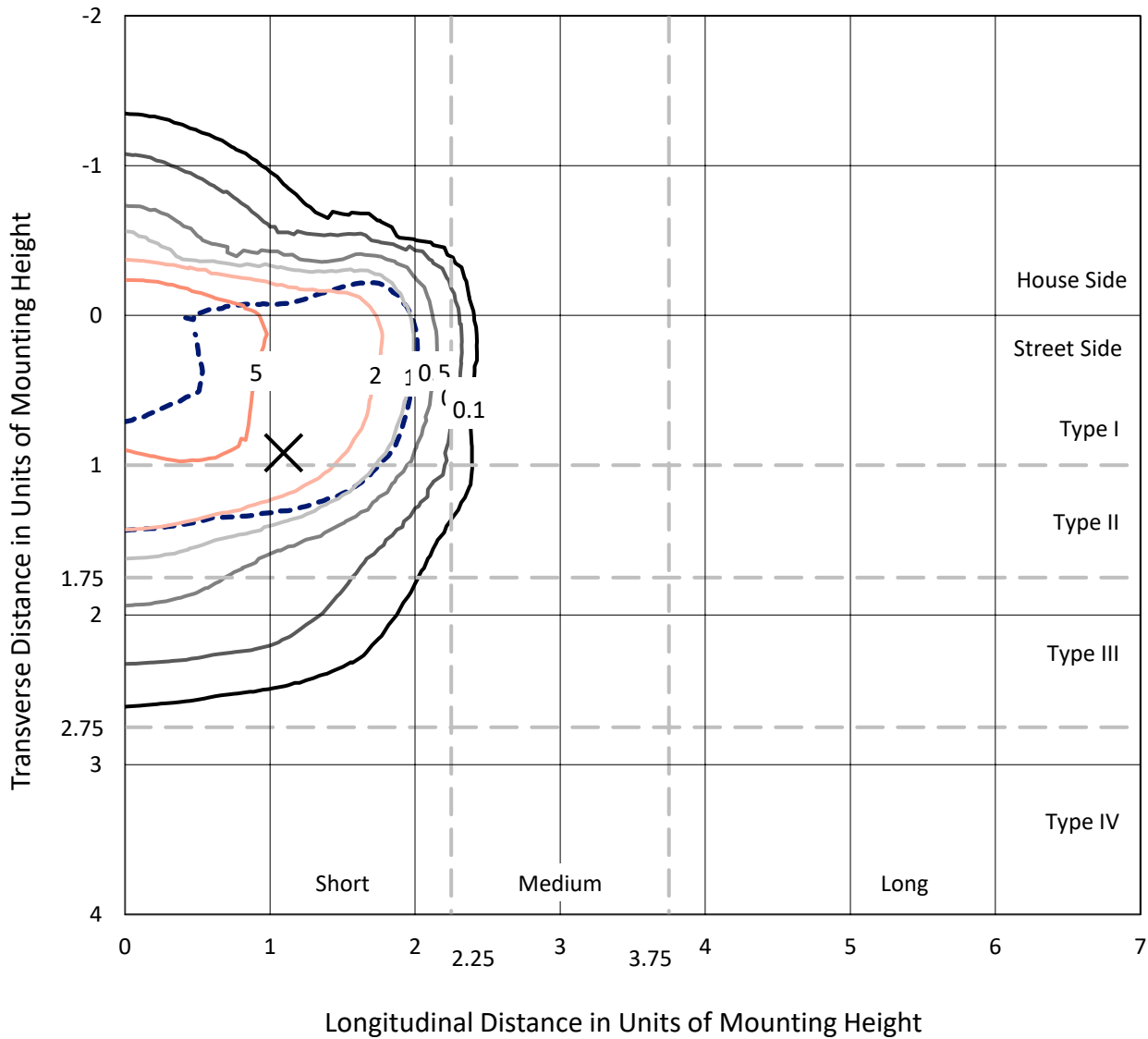
Lumens per Lamp: N/A  
Luminaire Lumens: 2828.5 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

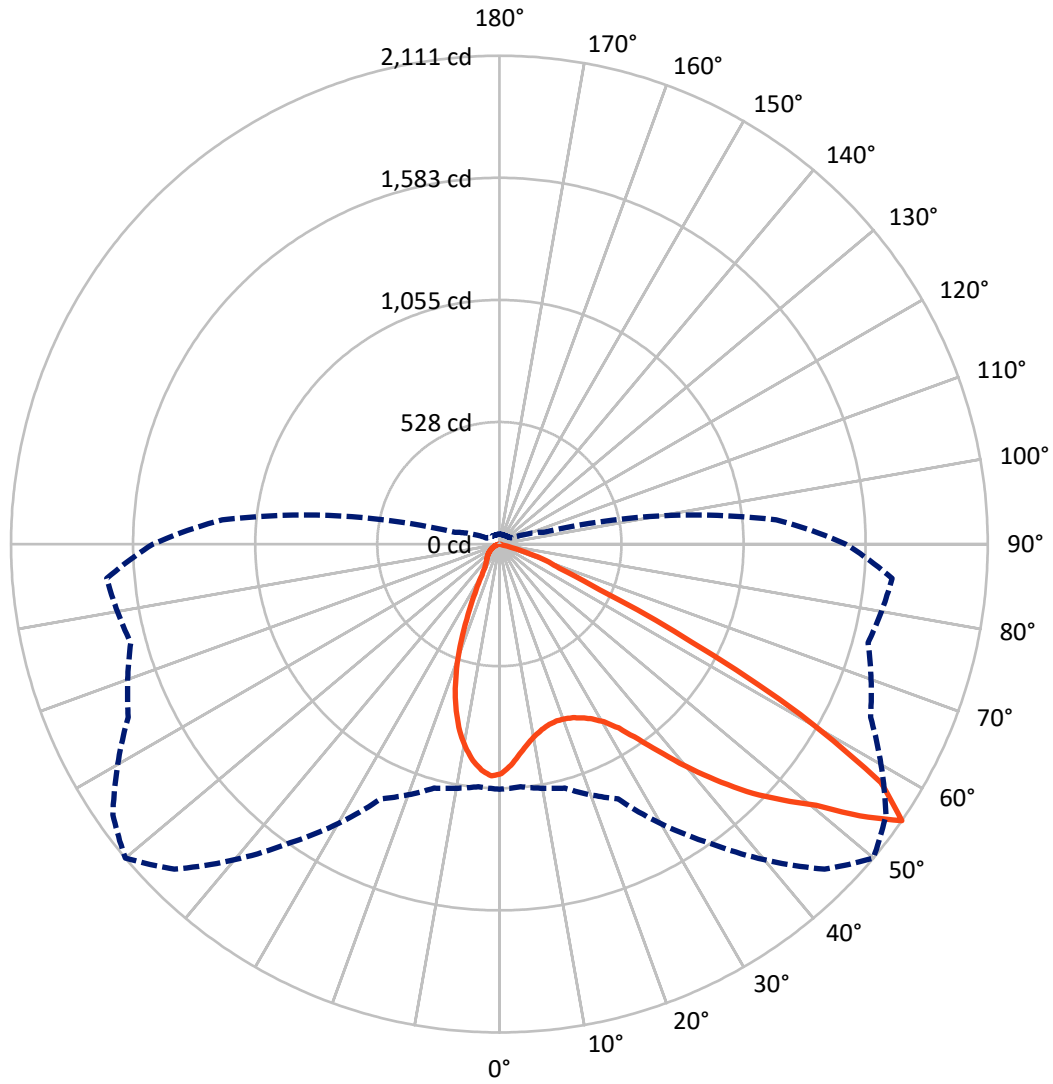
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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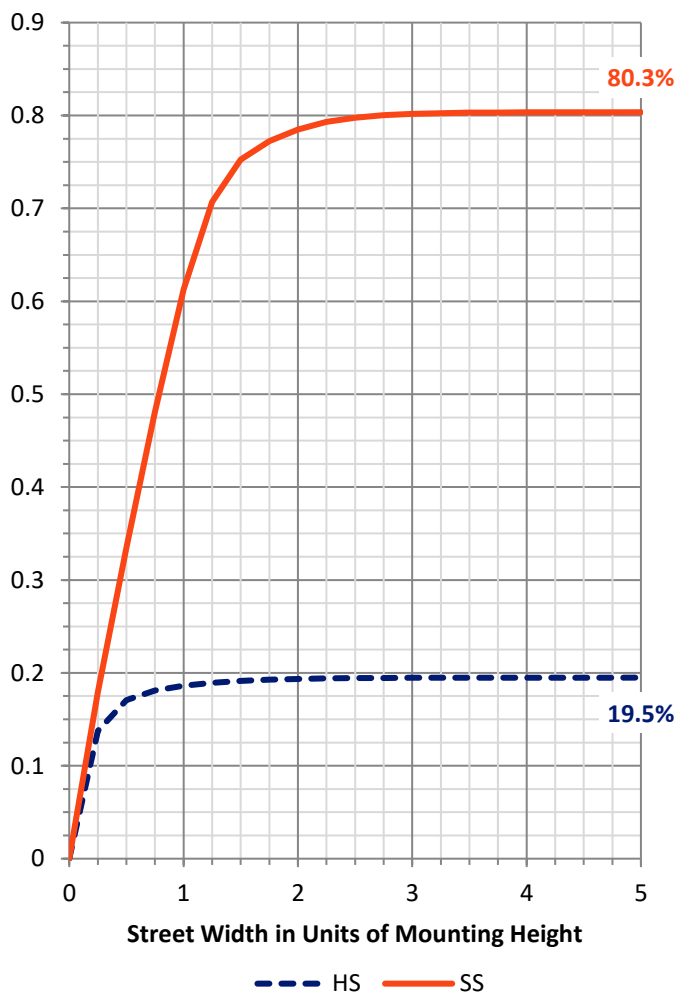
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	557.3	0.0	557.3
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	2271.1	0.0	2271.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	2828.5	0.0	2828.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.2	3.1
10°-20°	214.5	7.6
20°-30°	302.5	10.7
30°-40°	447.7	15.8
40°-50°	645.8	22.8
50°-60°	761.8	26.9
60°-70°	339.8	12.0
70°-80°	29.2	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°	2828.5	100.0
0°-180°	2828.5	100.0

**Coefficient of Utilization**



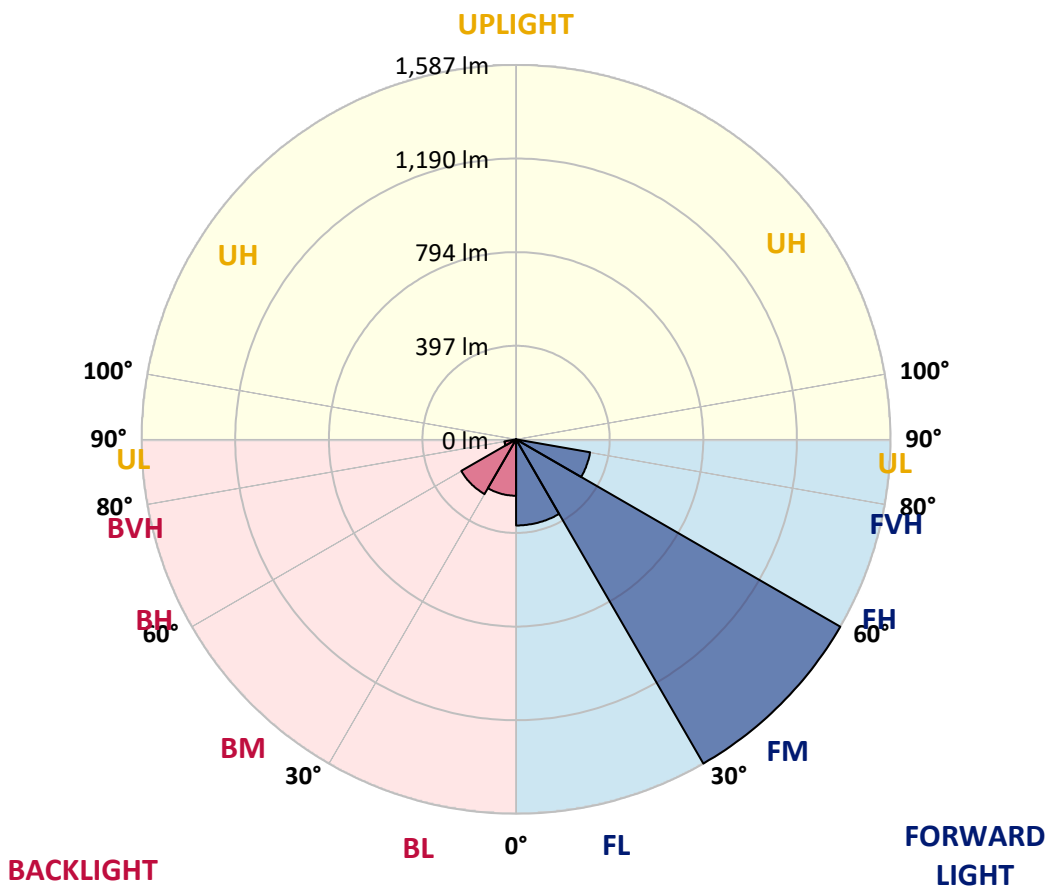
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.2	12.9			
FM (30°-60°)	1587.3	56.1			
FH (60°-80°)	318.7	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	239.0	8.4	B1/500		
BM (30°-60°)	268.0	9.5	B1/1000		
BH (60°-80°)	50.3	1.8	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°	50°	55°	65°	75°	85°
0°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4
2.5°	922.0	922.6	923.0	932.3	935.8	949.6	956.8	960.6	970.6	982.4	992.0
5°	860.1	859.1	860.8	872.6	880.2	900.5	911.6	919.2	941.3	968.9	992.0
7.5°	806.3	808.3	810.4	823.2	834.6	856.7	872.6	884.0	914.7	955.8	994.8
10°	768.3	768.3	771.4	785.9	799.4	826.7	842.5	857.0	893.6	944.1	997.9
12.5°	740.3	740.7	744.5	761.0	776.6	804.9	821.5	835.6	876.0	932.3	998.6
15°	727.2	726.2	729.3	746.9	764.2	790.7	808.0	821.8	863.6	925.8	1002.1
17.5°	723.8	723.1	725.5	742.7	760.4	786.3	803.2	817.0	861.9	927.8	1012.4
20°	733.8	732.4	731.3	746.2	762.8	788.3	805.9	821.5	870.2	939.2	1028.3
22.5°	757.6	757.6	755.2	762.4	773.5	796.6	814.9	835.3	891.9	962.0	1051.8
25°	801.4	798.0	793.5	796.6	795.2	809.7	831.5	859.8	933.0	999.6	1080.4
27.5°	851.5	854.6	847.0	847.4	835.3	830.1	855.3	898.1	994.1	1052.8	1122.9
30°	919.5	917.1	917.5	916.4	888.5	863.9	891.2	948.2	1071.1	1134.0	1178.2
32.5°	972.7	976.2	987.6	994.1	957.5	918.2	947.2	1016.2	1158.8	1226.5	1245.8
35°	1029.0	1035.2	1058.3	1079.8	1049.0	1003.8	1034.9	1106.3	1241.4	1318.0	1323.5
37.5°	1088.4	1100.8	1128.4	1166.1	1161.2	1121.2	1149.5	1212.4	1306.3	1373.3	1387.8
40°	1156.4	1168.5	1213.7	1267.9	1279.3	1270.4	1279.7	1316.3	1349.1	1375.7	1415.4
42.5°	1231.0	1247.6	1304.9	1377.4	1420.2	1428.2	1406.4	1402.6	1367.7	1348.1	1409.5
45°	1319.0	1338.4	1403.3	1497.2	1565.2	1576.0	1538.3	1489.6	1379.5	1327.7	1391.9
47.5°	1417.8	1436.1	1500.7	1613.6	1714.8	1718.9	1653.3	1574.9	1414.4	1351.2	1405.4
50°	1451.0	1462.3	1518.3	1650.9	1837.3	1869.1	1774.2	1670.9	1484.4	1420.2	1471.0
52.5°	1337.0	1341.5	1390.2	1524.2	1812.5	2016.6	1950.6	1814.2	1609.1	1525.5	1572.2
55°	1059.4	1052.1	1091.5	1214.4	1575.3	1986.5	2110.5	2039.3	1769.7	1649.2	1703.7
57.5°	741.0	732.4	723.4	806.6	1175.4	1684.0	1944.7	2070.8	1922.6	1771.7	1845.6
60°	609.1	600.8	557.3	519.0	710.6	1209.2	1493.8	1731.0	1910.2	1765.5	1841.1
62.5°	526.2	521.4	503.8	451.7	418.2	690.3	935.4	1162.6	1465.8	1386.4	1390.5
65°	413.3	411.9	424.0	429.6	369.8	381.9	477.2	604.3	792.5	747.2	708.6
67.5°	282.5	279.3	302.1	371.5	355.7	301.4	279.3	281.8	342.9	209.6	166.4
70°	179.6	172.3	172.7	230.3	289.4	237.9	215.5	189.6	170.6	31.1	35.2
72.5°	115.0	110.5	95.0	103.9	134.0	116.0	117.1	100.8	67.3	16.6	19.3
75°	48.3	44.5	34.2	27.3	26.9	16.9	14.8	13.8	9.3	9.3	10.0
77.5°	0.3	0.0	0.0	0.3	0.7	0.3	0.3	0.7	1.4	2.1	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4	992.4
2.5°	997.9	989.6	999.0	1002.4	1002.1	1002.4	992.4	985.5	985.1	976.5	972.4
5°	1001.7	995.2	1002.1	997.6	986.9	973.4	955.4	939.9	933.0	923.0	918.2
7.5°	1009.0	1002.1	1001.0	983.1	956.5	928.2	896.4	868.1	852.9	834.6	835.6
10°	1014.1	1006.2	992.7	956.1	911.9	866.7	819.4	777.3	750.7	726.2	722.0
12.5°	1016.2	1004.5	973.1	917.8	855.7	796.6	727.2	667.1	625.7	593.6	589.1
15°	1020.0	1001.0	947.9	871.5	786.3	702.7	614.3	532.1	477.2	440.3	443.4
17.5°	1025.9	997.2	919.5	819.7	711.7	593.6	474.1	379.8	329.4	308.0	308.4
20°	1034.2	992.7	888.5	762.8	622.2	470.3	331.5	260.4	246.2	245.5	244.5
22.5°	1045.2	988.3	855.3	700.3	516.2	329.4	220.6	198.5	204.4	215.8	217.9
25°	1058.3	982.7	818.4	629.8	400.5	216.2	165.4	161.9	176.1	191.3	194.7
27.5°	1078.7	980.0	776.2	549.7	281.1	155.0	135.4	137.4	150.2	163.0	166.1
30°	1113.3	985.1	730.3	459.9	180.6	123.6	117.4	120.5	127.4	134.0	136.7
32.5°	1160.2	1000.3	685.8	361.9	128.8	107.4	106.0	107.7	110.5	114.3	115.3
35°	1215.1	1026.6	639.8	259.0	106.4	98.1	96.7	96.7	98.1	98.8	99.1
37.5°	1260.3	1054.2	596.7	172.3	95.3	90.8	88.7	87.7	87.4	88.1	88.4
40°	1280.0	1065.6	549.7	125.3	87.4	84.3	81.1	78.0	78.0	80.5	80.8
42.5°	1266.2	1052.8	495.5	103.6	81.8	77.3	72.5	69.8	71.1	73.5	74.2
45°	1236.9	1021.4	435.8	91.5	76.3	70.4	64.9	63.2	64.6	67.7	68.4
47.5°	1232.0	1000.7	364.3	83.6	70.4	64.6	58.7	57.0	58.7	61.1	61.8
50°	1280.0	1018.6	284.9	76.7	64.9	58.4	53.5	51.8	52.8	54.2	54.9
52.5°	1367.7	1085.3	230.0	70.1	58.4	52.1	49.0	47.0	47.0	48.3	48.7
55°	1497.2	1201.6	198.5	62.5	50.8	47.3	44.5	42.5	42.5	43.2	43.5
57.5°	1646.4	1342.5	205.8	52.5	44.5	42.8	40.4	38.7	39.4	39.4	39.4
60°	1625.7	1332.2	220.3	44.2	39.4	38.7	36.6	35.9	37.6	36.3	35.6
62.5°	1197.5	920.2	115.3	36.3	33.8	33.1	31.8	33.1	35.6	31.8	30.4
65°	581.5	445.4	46.3	29.7	28.7	28.0	27.3	29.4	30.7	24.9	23.5
67.5°	136.7	111.2	30.0	25.2	23.8	22.4	23.1	23.5	22.4	16.9	16.2
70°	35.6	34.9	23.5	21.1	19.0	17.6	17.6	17.3	14.8	10.7	10.0
72.5°	19.3	19.0	16.9	15.9	13.1	11.7	12.1	10.7	8.3	6.2	5.9
75°	9.7	10.4	9.7	9.0	7.3	6.6	6.6	5.9	4.1	2.4	2.4
77.5°	2.1	2.4	2.4	2.1	1.7	1.4	1.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	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)