

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: P630252

Luminaire Tested: GWS-SA1D-730-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630252  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-730-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

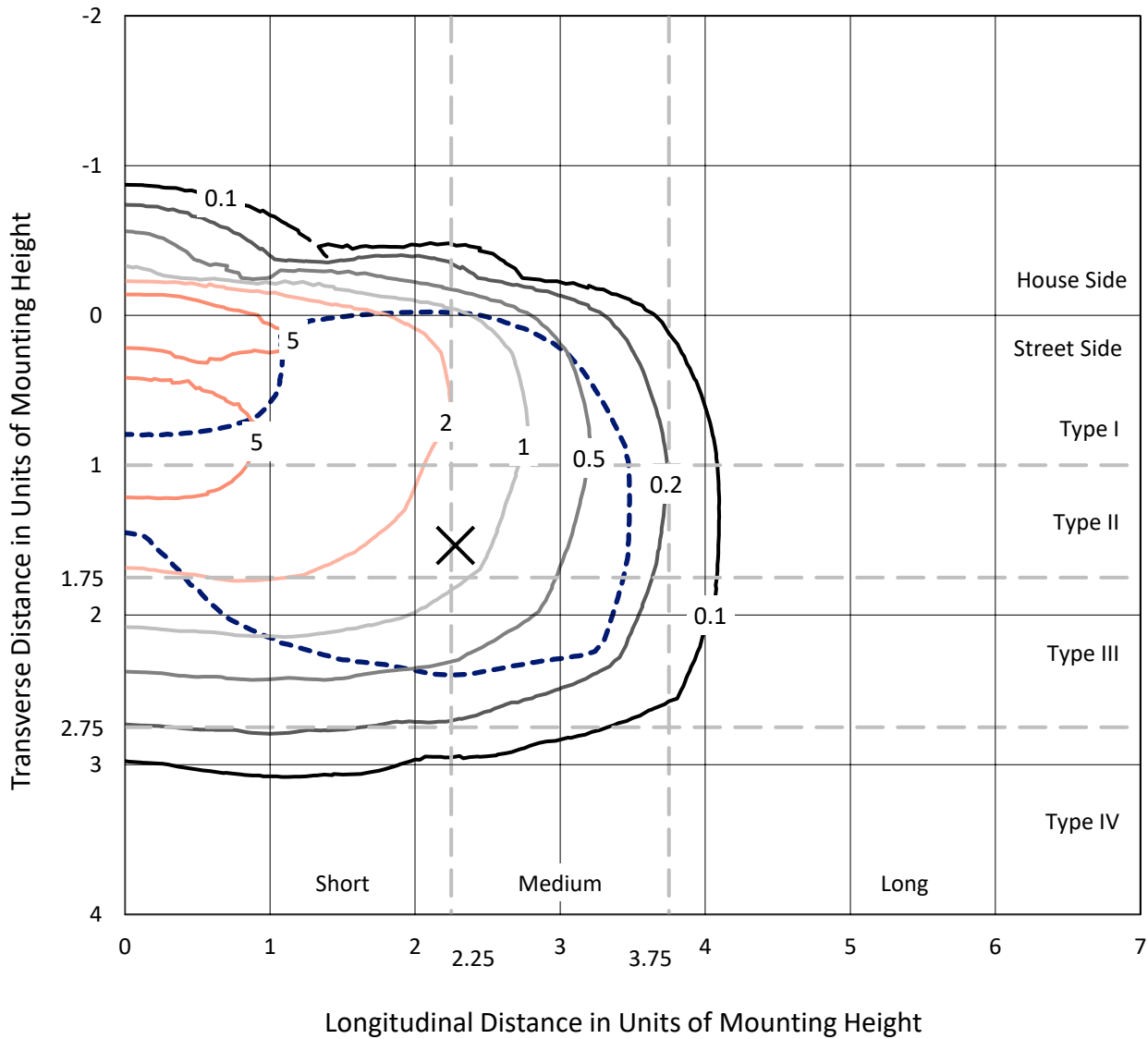
Lumens per Lamp: N/A  
Luminaire Lumens: 4322.6 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

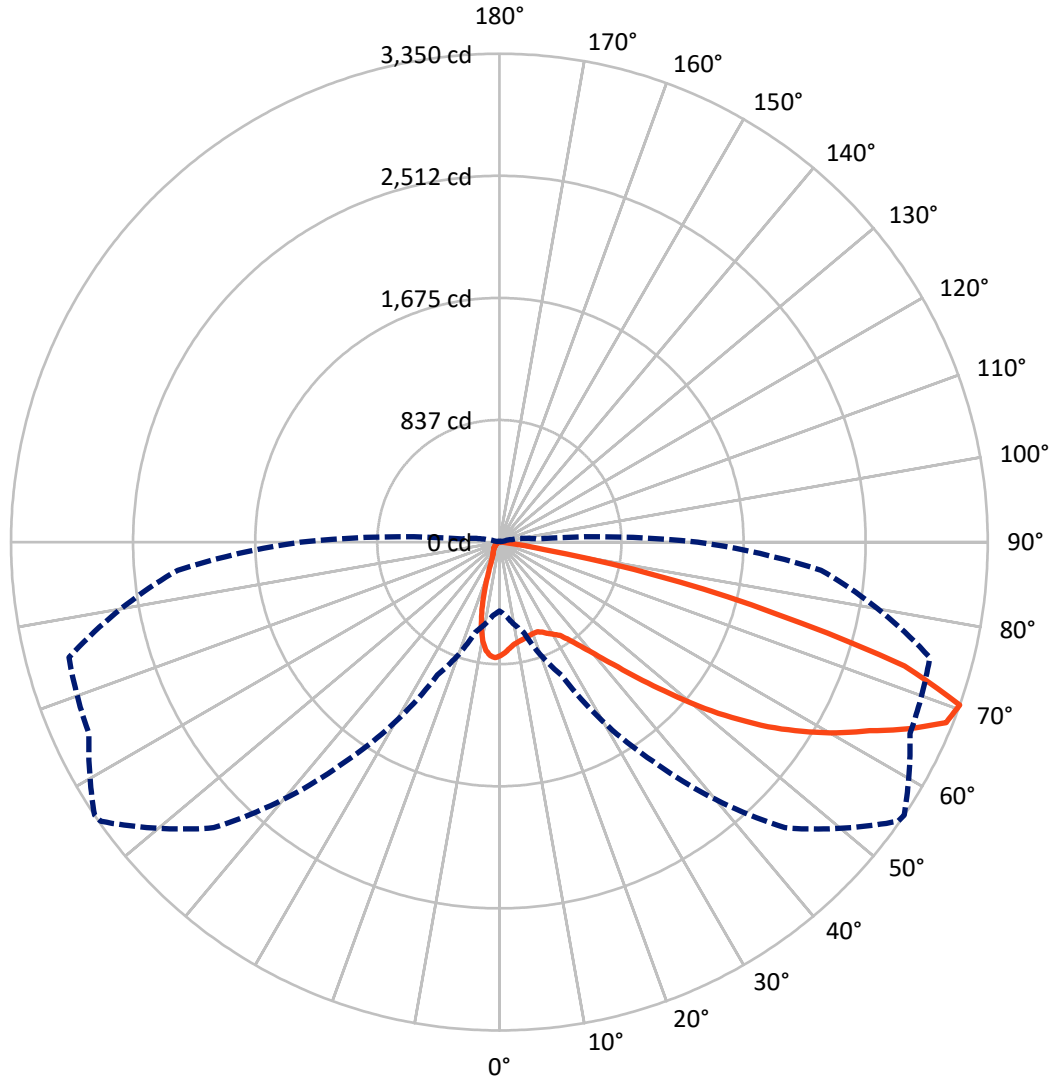
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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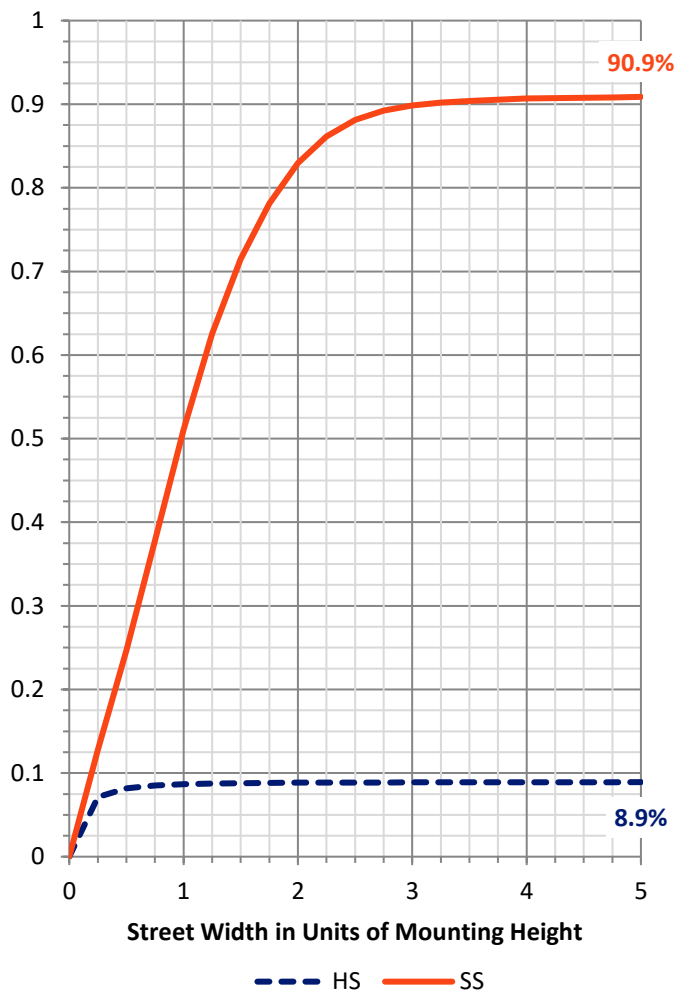
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	388.3	0.0	388.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3934.4	0.0	3934.4
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	4322.6	0.0	4322.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.9	1.5
10°-20°	150.5	3.5
20°-30°	238.4	5.5
30°-40°	411.1	9.5
40°-50°	694.3	16.1
50°-60°	1020.1	23.6
60°-70°	1209.4	28.0
70°-80°	515.7	11.9
80°-90°	16.2	0.4
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°	4322.6	100.0
0°-180°	4322.6	100.0

**Coefficient of Utilization**



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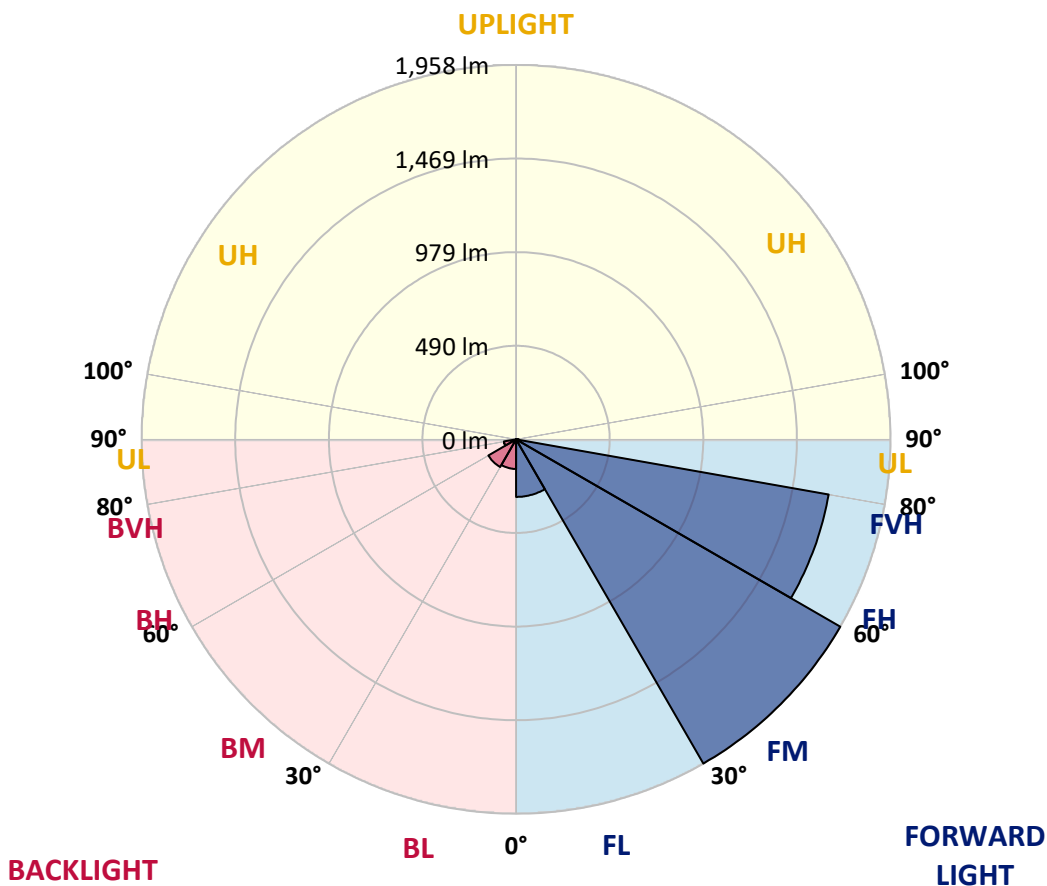
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.2	7.0			
FM (30°-60°)	1958.3	45.3			
FH (60°-80°)	1660.3	38.4			G1/1800
FVH (80°-90°)	14.6	0.3			G1/100
BL (0°-30°)	154.6	3.6	B1/500		
BM (30°-60°)	167.2	3.9	B0/220		
BH (60°-80°)	64.7	1.5	B0/110		G0/110
BVH (80°-90°)	1.7	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-G1**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	725.6	724.4	725.2	731.1	742.2	747.3	756.1	757.6	764.8	773.9	777.4
5°	678.5	674.5	676.5	684.8	697.5	711.7	727.9	732.3	750.1	770.3	785.3
7.5°	635.3	631.0	635.7	648.8	666.6	682.0	706.2	708.9	737.4	773.1	800.4
10°	567.6	568.8	578.3	601.3	628.6	660.7	693.1	697.1	732.3	782.2	824.5
12.5°	515.8	513.0	523.3	549.4	587.8	634.5	683.2	688.4	732.7	796.0	855.4
15°	491.6	490.8	495.2	514.2	551.4	606.4	674.1	680.8	737.8	808.7	884.7
17.5°	492.4	491.2	490.8	501.9	529.6	585.4	664.2	672.9	742.2	822.6	915.6
20°	526.9	521.3	511.4	506.3	522.9	572.0	657.5	667.4	748.5	837.2	948.4
22.5°	598.9	600.9	574.4	546.7	538.7	573.6	656.7	668.2	762.4	860.2	988.8
25°	743.0	739.8	690.7	628.6	585.4	591.8	670.6	684.4	789.7	893.0	1026.8
27.5°	923.5	926.3	859.0	760.0	669.8	629.4	695.9	709.7	821.4	913.6	1052.1
30°	1120.2	1117.5	1045.4	935.8	789.3	691.9	721.2	733.5	837.2	924.7	1078.3
32.5°	1306.3	1299.9	1228.7	1113.9	941.7	790.5	756.1	763.2	858.2	948.8	1113.5
35°	1465.0	1464.6	1402.5	1280.1	1098.5	914.0	815.8	821.8	897.4	987.2	1165.4
37.5°	1628.9	1623.3	1553.7	1442.0	1259.6	1049.4	907.3	904.9	959.1	1043.8	1229.1
40°	1763.5	1759.9	1706.5	1599.2	1427.0	1199.0	1018.1	1011.0	1032.3	1122.2	1317.8
42.5°	1863.2	1863.6	1847.0	1781.7	1604.3	1372.0	1157.4	1146.4	1146.0	1240.6	1434.9
45°	1938.8	1944.0	1968.9	1959.0	1813.7	1573.5	1336.0	1324.5	1305.1	1394.1	1569.1
47.5°	1974.1	1980.8	2056.0	2095.6	1997.0	1773.4	1548.5	1524.4	1486.4	1598.4	1719.1
50°	1970.5	1982.4	2087.3	2207.6	2163.3	1976.0	1780.1	1768.6	1706.5	1814.5	1867.6
52.5°	1889.7	1915.1	2089.2	2275.7	2291.1	2162.9	2019.6	1998.2	1968.1	2040.2	2006.9
55°	1670.4	1701.3	2005.7	2297.5	2390.9	2326.0	2253.9	2236.5	2186.6	2253.1	2128.4
57.5°	1551.3	1577.8	1830.0	2286.8	2475.6	2476.8	2462.5	2448.3	2407.1	2463.7	2270.9
60°	1479.6	1506.2	1736.2	2247.6	2552.4	2635.9	2658.5	2656.9	2597.5	2703.2	2438.0
62.5°	1374.8	1411.2	1638.4	2145.8	2607.0	2792.6	2860.7	2850.0	2783.9	2952.6	2603.4
65°	1163.0	1194.6	1438.1	1978.0	2574.9	2922.5	3080.0	3085.6	3009.2	3187.3	2734.1
67.5°	815.4	838.8	1080.6	1625.7	2357.2	2965.2	3304.5	3304.1	3173.8	3307.6	2676.3
70°	472.6	504.7	638.5	1005.0	1833.9	2770.9	3338.1	3349.6	3106.9	3056.3	2214.7
72.5°	182.9	209.4	361.8	534.0	956.3	2122.5	2871.4	2905.1	2600.3	2357.6	1541.4
75°	54.6	61.0	170.2	284.2	384.0	1025.2	1944.0	1953.5	1783.7	1470.5	790.1
77.5°	40.8	45.1	74.4	143.7	134.6	310.7	1005.8	1098.5	946.8	525.3	217.7
80°	27.7	32.9	53.0	70.1	49.9	82.7	282.6	310.3	289.0	118.0	54.6
82.5°	12.3	15.8	37.6	35.2	18.2	23.8	87.1	92.6	59.8	35.6	19.0
85°	1.2	1.6	14.3	15.4	6.7	5.5	18.2	18.2	13.1	12.3	7.9
87.5°	0.0	0.0	0.4	0.8	0.8	1.2	1.6	2.0	2.4	3.2	4.0
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°	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4	779.4
2.5°	786.5	781.8	787.7	792.5	793.7	785.0	779.8	772.3	770.7	771.1	769.1
5°	797.2	794.8	799.2	794.1	780.6	755.3	733.5	709.3	696.3	688.8	688.0
7.5°	817.0	815.8	811.1	787.7	745.8	689.6	635.3	582.3	549.4	537.6	535.6
10°	846.3	843.9	824.5	769.1	679.7	571.6	480.5	404.5	358.2	344.8	328.2
12.5°	880.0	875.2	832.8	729.1	579.9	430.3	316.7	231.6	191.6	179.7	179.7
15°	912.4	902.1	828.1	663.0	457.2	279.9	176.9	133.8	121.5	118.4	118.4
17.5°	945.7	925.9	809.5	572.8	315.9	165.5	118.0	109.6	108.1	108.5	108.9
20°	976.9	946.1	776.6	464.3	201.5	115.6	105.7	103.7	102.9	103.7	103.3
22.5°	1011.0	964.7	726.8	346.0	131.0	104.1	100.5	99.0	98.2	99.4	99.4
25°	1044.6	978.1	660.7	232.8	104.1	97.0	95.0	93.4	92.6	93.0	93.0
27.5°	1062.0	973.0	574.0	148.4	93.4	89.9	87.9	85.9	84.7	84.3	84.7
30°	1073.9	957.1	467.9	105.7	84.7	80.4	78.4	76.8	73.6	71.6	72.4
32.5°	1092.5	941.3	352.7	88.7	77.6	70.9	67.7	63.7	59.4	57.4	57.4
35°	1114.7	919.5	247.4	80.0	70.1	62.9	57.0	50.3	45.1	43.5	43.5
37.5°	1144.0	899.0	164.7	74.0	63.7	56.2	47.9	40.0	34.4	33.6	33.3
40°	1187.9	881.5	116.0	69.7	58.2	49.1	39.2	30.9	26.9	25.7	25.7
42.5°	1244.9	863.7	91.8	65.3	53.4	42.4	31.3	24.5	21.4	20.6	20.2
45°	1315.4	842.7	80.0	61.4	48.7	35.2	24.9	20.6	18.2	17.4	17.4
47.5°	1391.8	814.2	74.4	56.2	43.1	28.5	21.0	17.8	16.6	16.2	15.8
50°	1467.0	775.8	69.7	51.5	36.8	23.4	18.2	16.2	15.4	15.0	15.0
52.5°	1532.7	731.1	63.7	45.9	30.1	20.2	16.2	15.0	14.3	13.5	13.1
55°	1588.9	682.4	56.2	39.6	24.5	17.8	15.0	13.9	13.1	12.3	11.9
57.5°	1661.3	654.7	45.1	32.1	20.2	15.8	13.9	12.7	11.9	10.7	10.7
60°	1741.7	634.5	33.6	25.3	17.4	14.6	12.7	11.5	10.7	9.5	9.5
62.5°	1806.2	604.4	26.5	20.6	15.0	13.1	11.5	10.3	9.5	8.3	8.3
65°	1830.8	542.3	21.8	16.2	12.3	11.5	10.3	9.5	8.3	7.1	7.1
67.5°	1719.9	418.0	18.2	13.1	10.3	9.9	9.1	8.7	7.1	6.3	5.9
70°	1362.1	254.9	15.0	10.7	8.7	8.3	8.3	7.5	6.3	5.9	5.5
72.5°	933.4	131.4	12.3	8.7	7.5	7.5	7.1	6.7	5.9	5.5	5.5
75°	484.9	43.9	9.5	6.7	5.9	6.3	6.3	5.9	5.5	5.5	5.1
77.5°	138.9	19.8	7.1	5.1	4.8	4.8	5.1	5.1	5.1	4.8	4.8
80°	36.0	11.5	5.1	4.0	4.0	4.0	4.0	4.4	4.8	4.4	4.4
82.5°	14.6	6.3	3.6	3.2	3.2	3.2	3.2	3.6	4.0	4.0	4.0
85°	9.1	3.2	2.8	2.8	2.8	2.4	2.4	2.8	2.8	3.2	3.2
87.5°	5.5	2.4	2.4	2.4	2.4	2.0	2.0	2.0	2.0	2.0	2.0
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)