

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: P629319

Luminaire Tested: GWS-SA1B-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629319
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-SA1B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2767.2 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

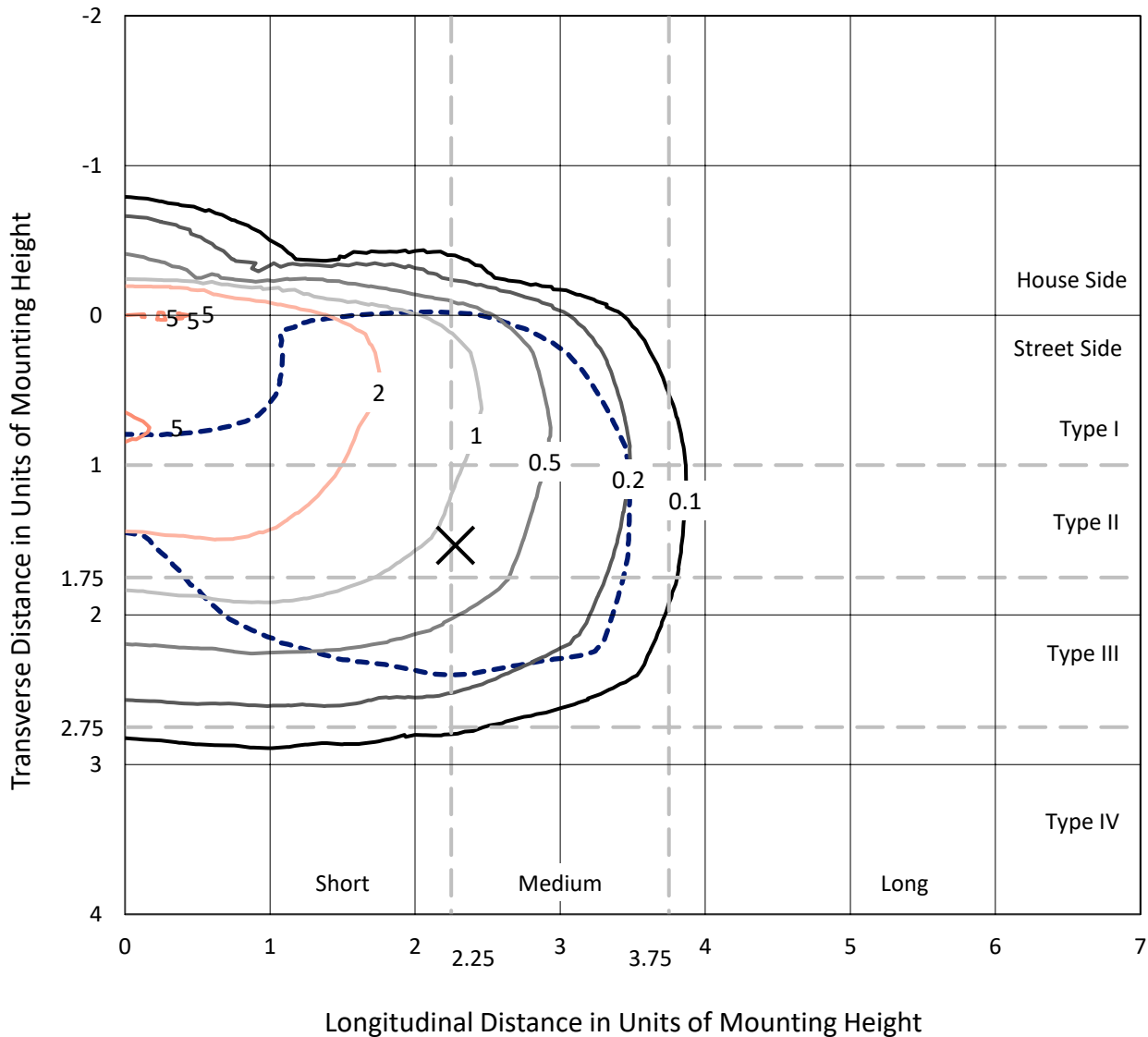
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

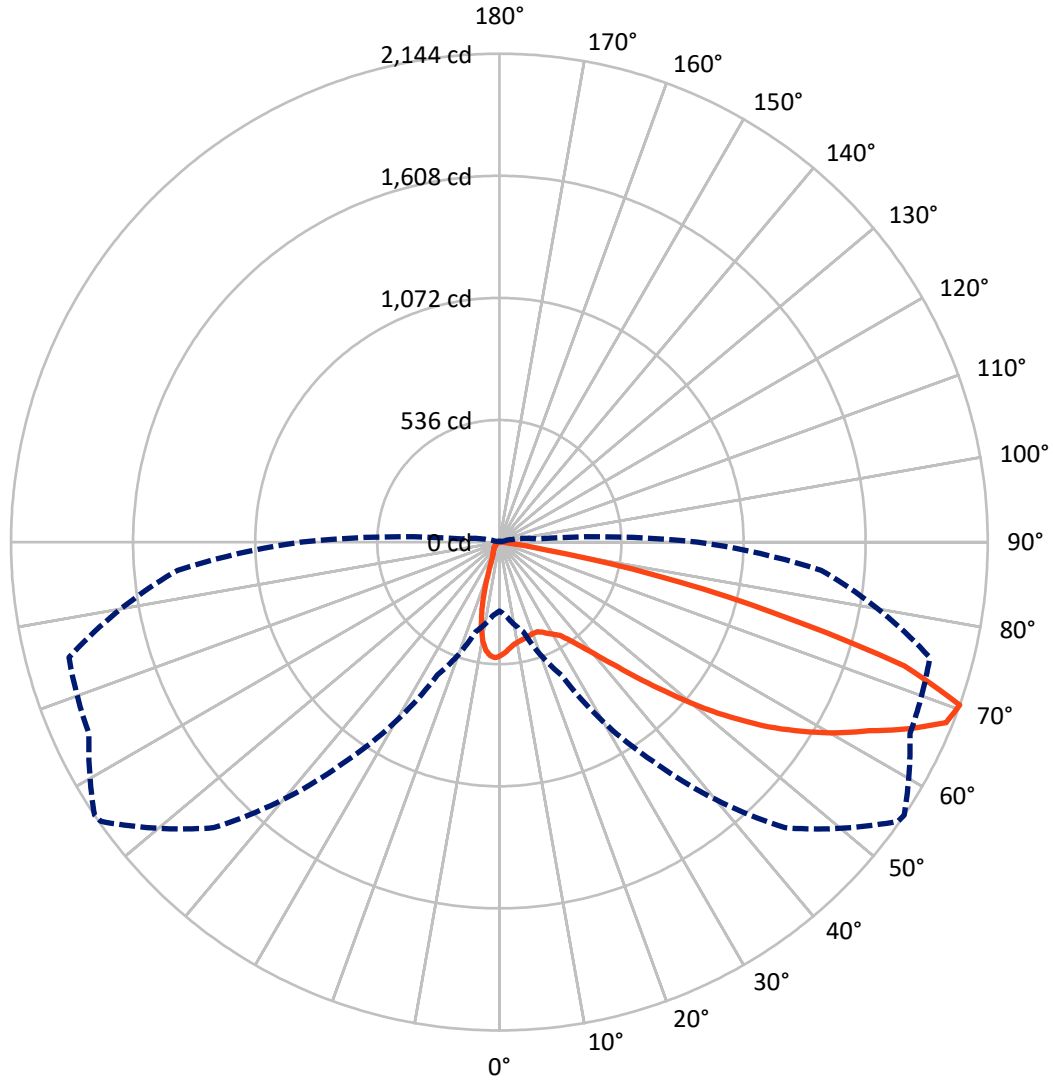
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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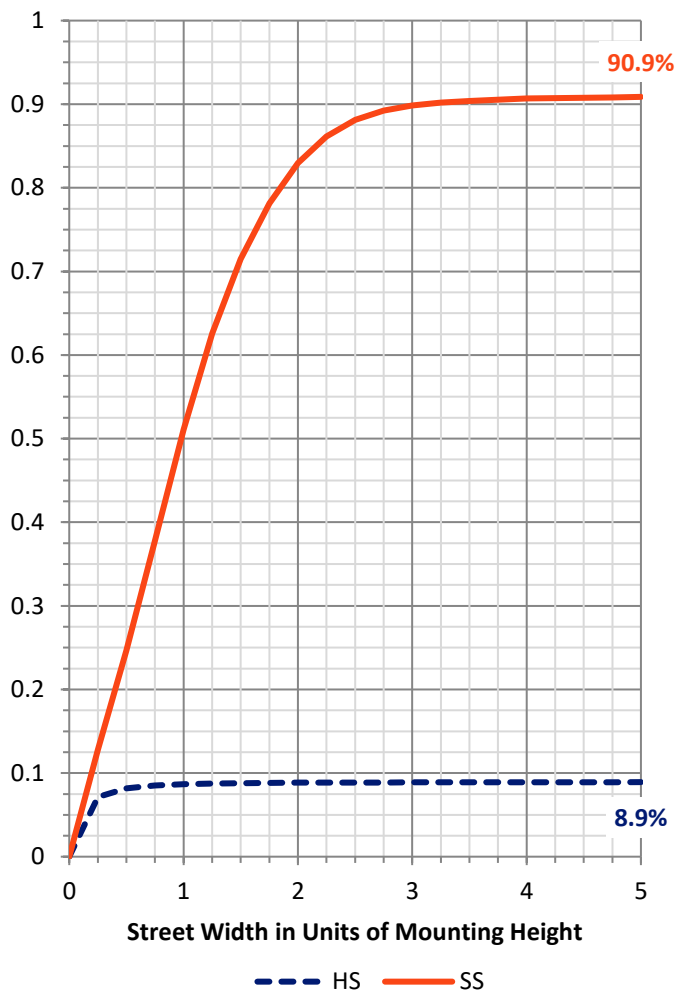
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	248.5	0.0	248.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2518.7	0.0	2518.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	2767.2	0.0	2767.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.5
10°-20°	96.4	3.5
20°-30°	152.6	5.5
30°-40°	263.2	9.5
40°-50°	444.4	16.1
50°-60°	653.0	23.6
60°-70°	774.2	28.0
70°-80°	330.1	11.9
80°-90°	10.4	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°	2767.2	100.0
0°-180°	2767.2	100.0

Coefficient of Utilization

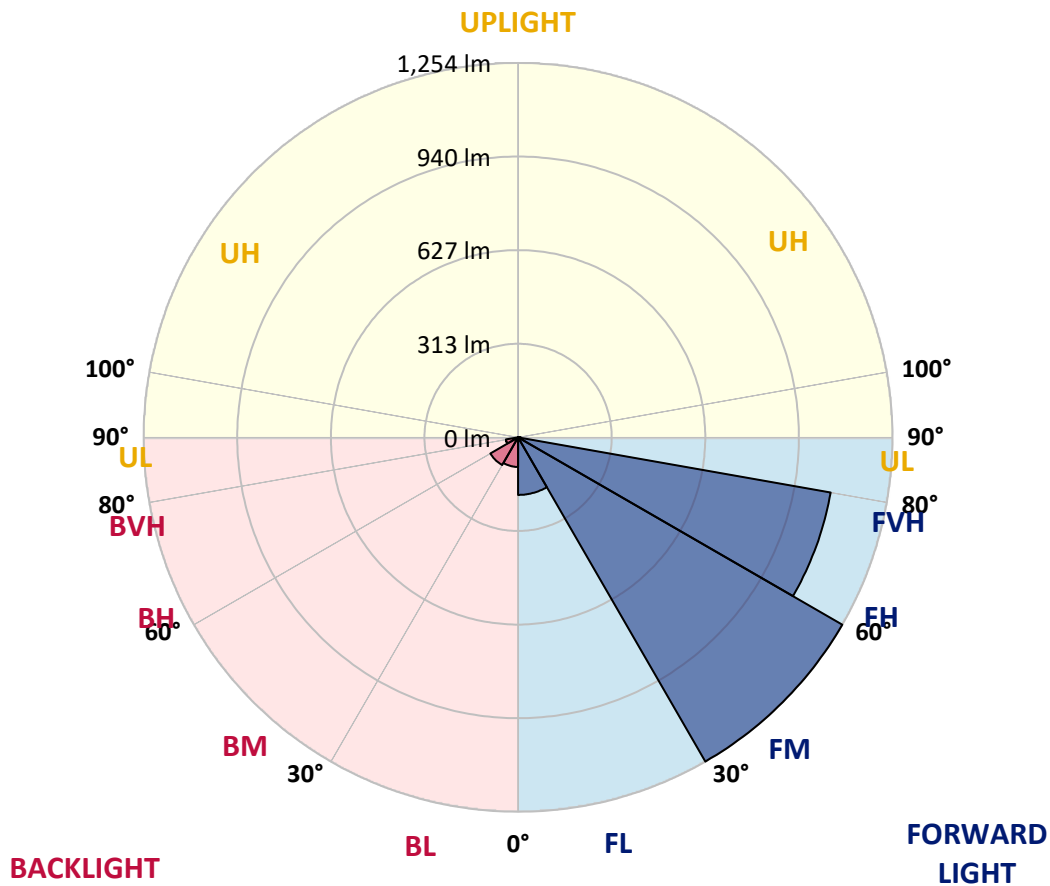


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.8	7.0			
FM (30°-60°)	1253.6	45.3			
FH (60°-80°)	1062.9	38.4			G1/1800
FVH (80°-90°)	9.3	0.3			G0/10
BL (0°-30°)	99.0	3.6	B0/110		
BM (30°-60°)	107.1	3.9	B0/220		
BH (60°-80°)	41.5	1.5	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0
2.5°	464.5	463.7	464.2	468.0	475.1	478.4	484.0	485.0	489.6	495.4	497.7
5°	434.3	431.8	433.1	438.4	446.5	455.6	466.0	468.8	480.2	493.1	502.8
7.5°	406.7	403.9	407.0	415.3	426.7	436.6	452.1	453.8	472.1	494.9	512.4
10°	363.4	364.1	370.2	384.9	402.4	422.9	443.7	446.2	468.8	500.7	527.8
12.5°	330.2	328.4	335.0	351.7	376.3	406.2	437.4	440.7	469.1	509.6	547.6
15°	314.7	314.2	317.0	329.2	353.0	388.2	431.5	435.9	472.3	517.7	566.4
17.5°	315.2	314.5	314.2	321.3	339.1	374.8	425.2	430.8	475.1	526.6	586.1
20°	337.3	333.7	327.4	324.1	334.7	366.2	420.9	427.2	479.2	536.0	607.2
22.5°	383.4	384.7	367.7	350.0	344.9	367.2	420.4	427.7	488.1	550.6	633.0
25°	475.6	473.6	442.2	402.4	374.8	378.8	429.3	438.1	505.5	571.7	657.3
27.5°	591.2	593.0	549.9	486.5	428.8	402.9	445.5	454.4	525.8	584.9	673.5
30°	717.1	715.4	669.2	599.0	505.3	443.0	461.7	469.6	536.0	592.0	690.3
32.5°	836.2	832.2	786.6	713.1	602.8	506.0	484.0	488.6	549.4	607.4	712.8
35°	937.9	937.6	897.8	819.5	703.2	585.1	522.3	526.1	574.5	632.0	746.0
37.5°	1042.8	1039.2	994.6	923.2	806.3	671.8	580.8	579.3	614.0	668.2	786.8
40°	1128.9	1126.6	1092.4	1023.8	913.5	767.6	651.8	647.2	660.9	718.4	843.6
42.5°	1192.8	1193.0	1182.4	1140.6	1027.0	878.3	741.0	733.9	733.6	794.2	918.6
45°	1241.2	1244.5	1260.4	1254.1	1161.1	1007.3	855.2	847.9	835.5	892.5	1004.5
47.5°	1263.7	1268.0	1316.2	1341.5	1278.4	1135.3	991.3	975.9	951.5	1023.2	1100.5
50°	1261.4	1269.1	1336.2	1413.2	1384.9	1265.0	1139.6	1132.2	1092.4	1161.6	1195.6
52.5°	1209.8	1226.0	1337.5	1456.8	1466.7	1384.6	1292.9	1279.2	1259.9	1306.0	1284.8
55°	1069.4	1089.1	1284.0	1470.8	1530.6	1489.0	1442.9	1431.7	1399.8	1442.4	1362.6
57.5°	993.1	1010.1	1171.5	1463.9	1584.8	1585.6	1576.4	1567.3	1541.0	1577.2	1453.8
60°	947.2	964.2	1111.4	1438.8	1634.0	1687.4	1701.9	1700.9	1662.8	1730.5	1560.7
62.5°	880.1	903.4	1048.8	1373.7	1668.9	1787.8	1831.4	1824.5	1782.2	1890.1	1666.6
65°	744.5	764.8	920.6	1266.3	1648.4	1870.9	1971.7	1975.3	1926.4	2040.4	1750.3
67.5°	522.0	537.0	691.8	1040.7	1509.0	1898.3	2115.4	2115.2	2031.8	2117.5	1713.3
70°	302.6	323.1	408.7	643.4	1174.0	1773.8	2137.0	2144.3	1989.0	1956.5	1417.8
72.5°	117.1	134.1	231.6	341.8	612.2	1358.8	1838.2	1859.7	1664.6	1509.3	986.8
75°	35.0	39.0	109.0	181.9	245.8	656.3	1244.5	1250.6	1141.8	941.4	505.8
77.5°	26.1	28.9	47.6	92.0	86.2	198.9	643.9	703.2	606.1	336.3	139.4
80°	17.7	21.0	34.0	44.9	31.9	53.0	180.9	198.7	185.0	75.5	35.0
82.5°	7.9	10.1	24.1	22.6	11.7	15.2	55.7	59.3	38.3	22.8	12.2
85°	0.8	1.0	9.1	9.9	4.3	3.5	11.7	11.7	8.4	7.9	5.1
87.5°	0.0	0.0	0.3	0.5	0.5	0.8	1.0	1.3	1.5	2.0	2.5
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°	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0
2.5°	503.5	500.5	504.3	507.3	508.1	502.5	499.2	494.4	493.4	493.6	492.4
5°	510.4	508.8	511.6	508.3	499.7	483.5	469.6	454.1	445.7	440.9	440.4
7.5°	523.0	522.3	519.2	504.3	477.4	441.4	406.7	372.8	351.7	344.1	342.9
10°	541.8	540.3	527.8	492.4	435.1	365.9	307.6	259.0	229.3	220.7	210.1
12.5°	563.3	560.3	533.2	466.8	371.2	275.5	202.7	148.2	122.6	115.0	115.0
15°	584.1	577.5	530.1	424.5	292.7	179.2	113.3	85.7	77.8	75.8	75.8
17.5°	605.4	592.7	518.2	366.7	202.2	105.9	75.5	70.2	69.2	69.4	69.7
20°	625.4	605.6	497.2	297.2	129.0	74.0	67.7	66.4	65.9	66.4	66.1
22.5°	647.2	617.5	465.3	221.5	83.9	66.6	64.4	63.4	62.8	63.6	63.6
25°	668.7	626.2	422.9	149.0	66.6	62.1	60.8	59.8	59.3	59.6	59.6
27.5°	679.9	622.9	367.4	95.0	59.8	57.5	56.3	55.0	54.2	54.0	54.2
30°	687.5	612.7	299.5	67.7	54.2	51.4	50.2	49.2	47.1	45.9	46.4
32.5°	699.4	602.6	225.8	56.8	49.7	45.4	43.3	40.8	38.0	36.7	36.7
35°	713.6	588.7	158.4	51.2	44.9	40.3	36.5	32.2	28.9	27.9	27.9
37.5°	732.3	575.5	105.4	47.4	40.8	36.0	30.7	25.6	22.0	21.5	21.3
40°	760.5	564.3	74.2	44.6	37.3	31.4	25.1	19.8	17.2	16.5	16.5
42.5°	797.0	552.9	58.8	41.8	34.2	27.1	20.0	15.7	13.7	13.2	12.9
45°	842.1	539.5	51.2	39.3	31.2	22.6	16.0	13.2	11.7	11.1	11.1
47.5°	891.0	521.3	47.6	36.0	27.6	18.2	13.4	11.4	10.6	10.4	10.1
50°	939.1	496.7	44.6	32.9	23.6	15.0	11.7	10.4	9.9	9.6	9.6
52.5°	981.2	468.0	40.8	29.4	19.3	12.9	10.4	9.6	9.1	8.6	8.4
55°	1017.2	436.9	36.0	25.3	15.7	11.4	9.6	8.9	8.4	7.9	7.6
57.5°	1063.5	419.1	28.9	20.5	12.9	10.1	8.9	8.1	7.6	6.8	6.8
60°	1115.0	406.2	21.5	16.2	11.1	9.4	8.1	7.3	6.8	6.1	6.1
62.5°	1156.3	386.9	17.0	13.2	9.6	8.4	7.3	6.6	6.1	5.3	5.3
65°	1172.0	347.2	13.9	10.4	7.9	7.3	6.6	6.1	5.3	4.6	4.6
67.5°	1101.0	267.6	11.7	8.4	6.6	6.3	5.8	5.6	4.6	4.1	3.8
70°	872.0	163.2	9.6	6.8	5.6	5.3	5.3	4.8	4.1	3.8	3.5
72.5°	597.5	84.1	7.9	5.6	4.8	4.8	4.6	4.3	3.8	3.5	3.5
75°	310.4	28.1	6.1	4.3	3.8	4.1	4.1	3.8	3.5	3.5	3.3
77.5°	88.9	12.7	4.6	3.3	3.0	3.0	3.3	3.3	3.3	3.0	3.0
80°	23.1	7.3	3.3	2.5	2.5	2.5	2.5	2.8	3.0	2.8	2.8
82.5°	9.4	4.1	2.3	2.0	2.0	2.0	2.0	2.3	2.5	2.5	2.5
85°	5.8	2.0	1.8	1.8	1.8	1.5	1.5	1.8	1.8	2.0	2.0
87.5°	3.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.3
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)