

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: P634102

Luminaire Tested: GWS-SA3B-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634102
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-SA3B-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5997.7 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

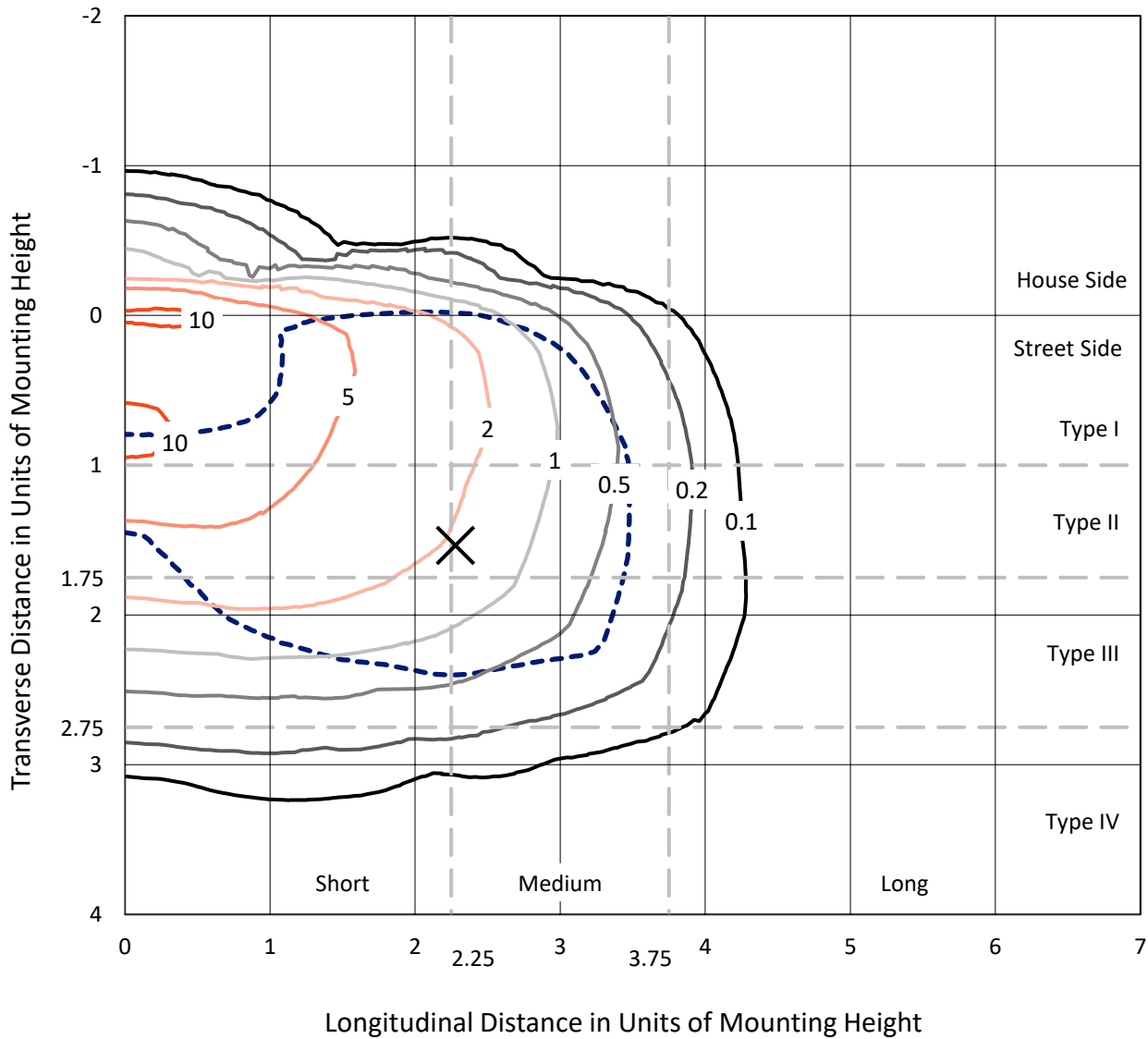
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

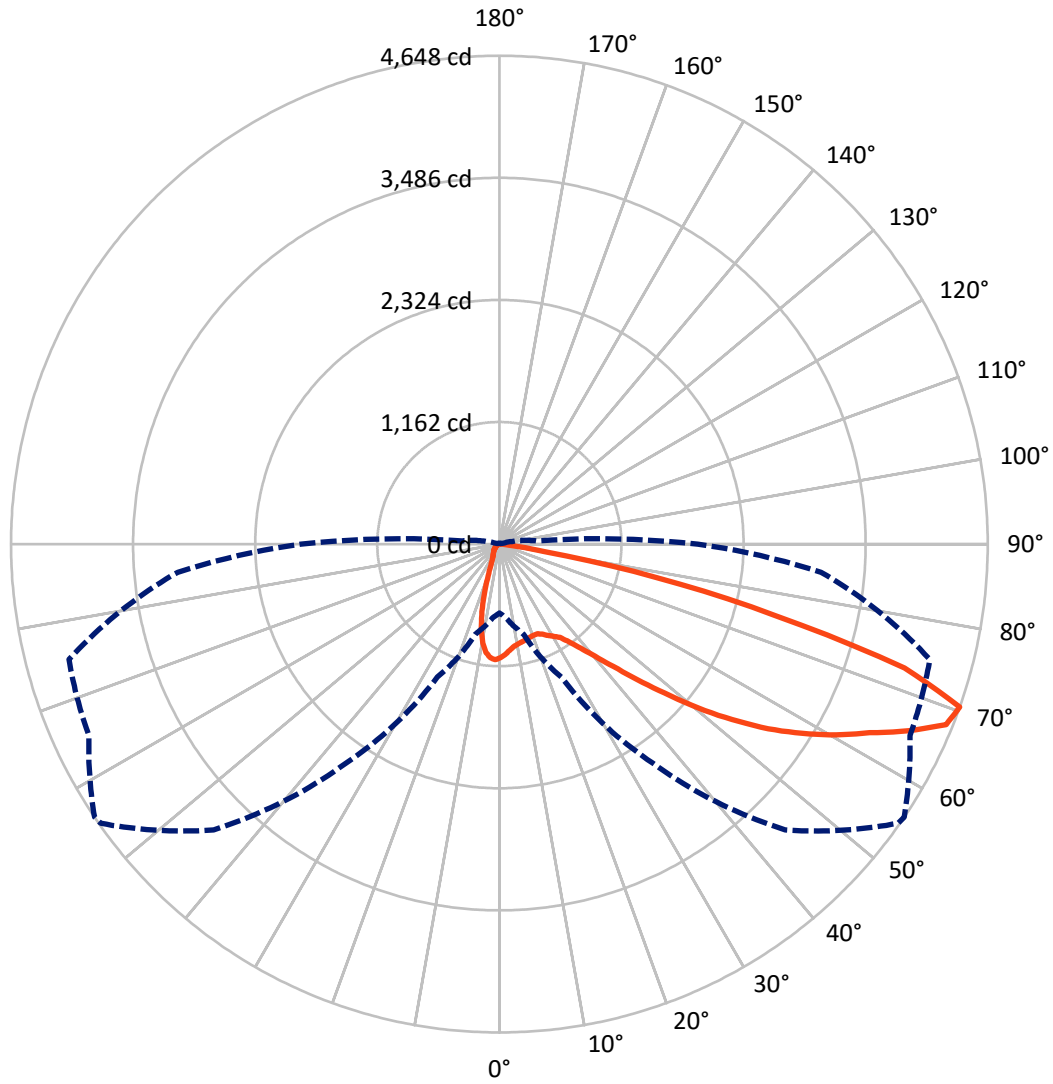
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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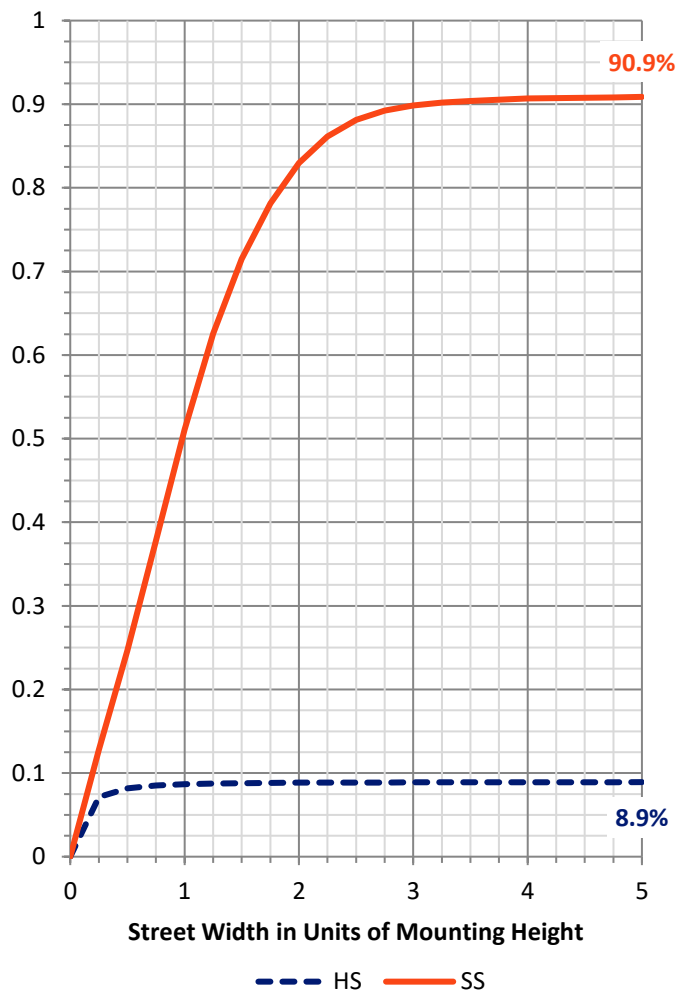
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.7	0.0	538.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5459.0	0.0	5459.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	5997.7	0.0	5997.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	1.5
10°-20°	208.8	3.5
20°-30°	330.8	5.5
30°-40°	570.4	9.5
40°-50°	963.3	16.1
50°-60°	1415.4	23.6
60°-70°	1678.0	28.0
70°-80°	715.6	11.9
80°-90°	22.5	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°	5997.7	100.0
0°-180°	5997.7	100.0

Coefficient of Utilization



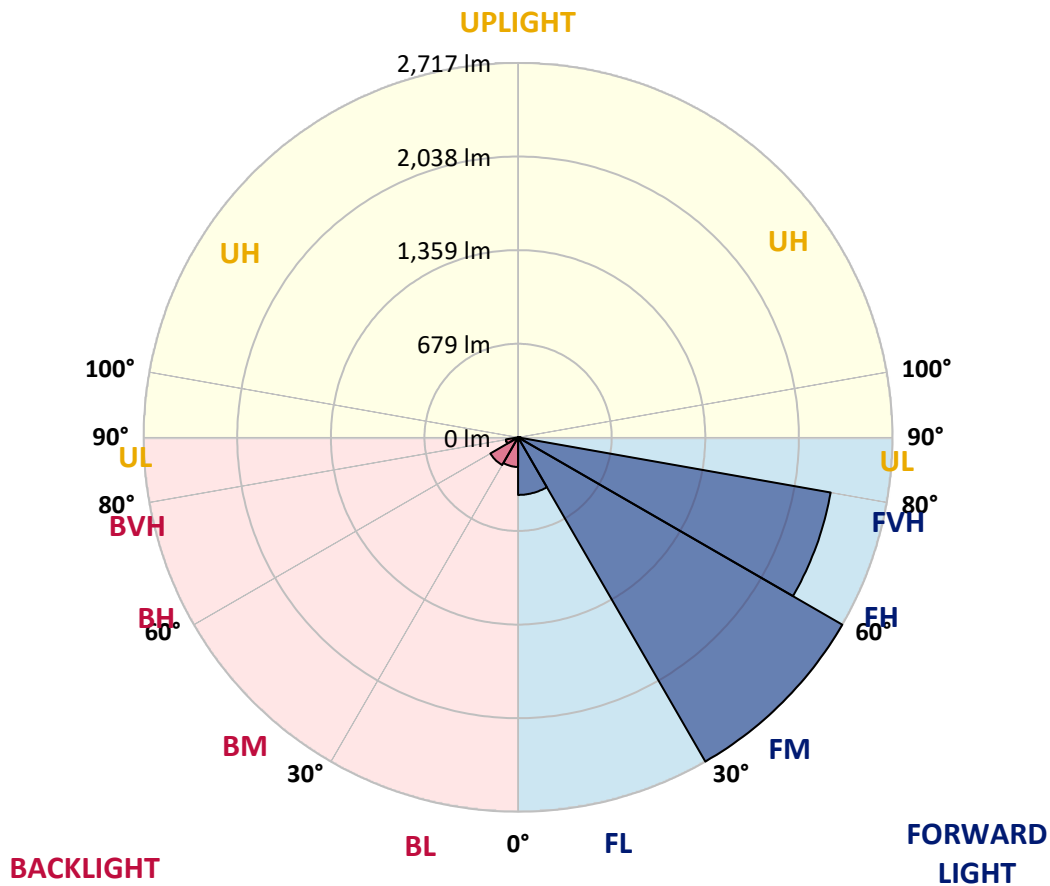
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.9	7.0			
FM (30°-60°)	2717.1	45.3			
FH (60°-80°)	2303.8	38.4			G2/5000
FVH (80°-90°)	20.2	0.3			G1/100
BL (0°-30°)	214.5	3.6	B1/500		
BM (30°-60°)	232.0	3.9	B1/1000		
BH (60°-80°)	89.8	1.5	B0/110		G0/110
BVH (80°-90°)	2.3	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4
2.5°	1006.7	1005.1	1006.2	1014.4	1029.8	1037.0	1049.0	1051.2	1061.1	1073.8	1078.7
5°	941.4	935.9	938.6	950.2	967.8	987.5	1010.0	1016.1	1040.8	1068.8	1089.7
7.5°	881.5	875.5	882.1	900.2	924.9	946.3	979.8	983.7	1023.2	1072.7	1110.6
10°	787.6	789.3	802.4	834.3	872.2	916.7	961.7	967.2	1016.1	1085.3	1144.1
12.5°	715.7	711.8	726.1	762.3	815.6	880.4	948.0	955.1	1016.6	1104.5	1186.9
15°	682.2	681.1	687.1	713.5	765.1	841.4	935.3	944.7	1023.8	1122.1	1227.5
17.5°	683.2	681.6	681.1	696.4	734.9	812.3	921.6	933.7	1029.8	1141.3	1270.4
20°	731.0	723.3	709.6	702.5	725.5	793.6	912.3	926.0	1038.6	1161.6	1316.0
22.5°	831.0	833.7	796.9	758.5	747.5	795.8	911.2	927.1	1057.8	1193.5	1372.0
25°	1030.9	1026.5	958.4	872.2	812.3	821.1	930.4	949.6	1095.7	1239.1	1424.7
27.5°	1281.4	1285.2	1191.8	1054.5	929.3	873.3	965.6	984.8	1139.7	1267.6	1459.9
30°	1554.3	1550.5	1450.5	1298.4	1095.2	960.1	1000.7	1017.7	1161.6	1283.0	1496.1
32.5°	1812.5	1803.7	1704.8	1545.6	1306.6	1096.8	1049.0	1058.9	1190.7	1316.5	1545.0
35°	2032.7	2032.2	1945.9	1776.2	1524.1	1268.2	1132.0	1140.2	1245.1	1369.8	1617.0
37.5°	2260.1	2252.4	2155.8	2000.9	1747.7	1456.0	1258.8	1255.6	1330.8	1448.3	1705.4
40°	2446.8	2441.9	2367.8	2218.9	1980.0	1663.6	1412.6	1402.7	1432.4	1557.1	1828.4
42.5°	2585.3	2585.8	2562.7	2472.1	2226.1	1903.7	1606.0	1590.6	1590.0	1721.3	1991.0
45°	2690.2	2697.3	2731.9	2718.2	2516.6	2183.2	1853.7	1837.7	1810.8	1934.4	2177.2
47.5°	2739.0	2748.4	2852.7	2907.7	2770.9	2460.6	2148.6	2115.1	2062.4	2217.8	2385.3
50°	2734.1	2750.6	2896.1	3063.1	3001.6	2741.8	2469.9	2454.0	2367.8	2517.7	2591.3
52.5°	2622.1	2657.2	2898.9	3157.6	3179.0	3001.0	2802.2	2772.5	2730.8	2830.8	2784.6
55°	2317.8	2360.6	2783.0	3187.8	3317.4	3227.3	3127.3	3103.2	3034.0	3126.3	2953.2
57.5°	2152.5	2189.3	2539.1	3172.9	3434.9	3436.6	3416.8	3397.0	3339.9	3418.4	3151.0
60°	2053.0	2089.8	2408.9	3118.6	3541.5	3657.4	3688.7	3686.5	3604.1	3750.7	3382.7
62.5°	1907.5	1958.0	2273.3	2977.4	3617.3	3874.9	3969.3	3954.5	3862.8	4096.8	3612.3
65°	1613.7	1657.6	1995.4	2744.5	3572.8	4055.0	4273.6	4281.3	4175.3	4422.4	3793.6
67.5°	1131.4	1163.8	1499.4	2255.7	3270.7	4114.3	4585.0	4584.5	4403.8	4589.4	3713.4
70°	655.8	700.3	885.9	1394.5	2544.6	3844.7	4631.7	4647.6	4311.0	4240.7	3073.0
72.5°	253.7	290.5	502.0	740.9	1327.0	2945.0	3984.2	4030.8	3607.9	3271.2	2138.7
75°	75.8	84.6	236.2	394.4	532.8	1422.5	2697.3	2710.5	2474.9	2040.4	1096.3
77.5°	56.6	62.6	103.3	199.4	186.7	431.2	1395.6	1524.1	1313.8	728.8	302.1
80°	38.4	45.6	73.6	97.2	69.2	114.8	392.2	430.6	400.9	163.7	75.8
82.5°	17.0	22.0	52.2	48.9	25.3	33.0	120.8	128.5	82.9	49.4	26.4
85°	1.6	2.2	19.8	21.4	9.3	7.7	25.3	25.3	18.1	17.0	11.0
87.5°	0.0	0.0	0.5	1.1	1.1	1.6	2.2	2.7	3.3	4.4	5.5
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°	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4	1081.4
2.5°	1091.3	1084.7	1093.0	1099.6	1101.2	1089.1	1082.0	1071.6	1069.4	1069.9	1067.2
5°	1106.2	1102.9	1108.9	1101.8	1083.1	1047.9	1017.7	984.2	966.1	955.7	954.6
7.5°	1133.6	1132.0	1125.4	1093.0	1034.8	956.8	881.5	807.9	762.3	745.9	743.1
10°	1174.3	1171.0	1144.1	1067.2	943.0	793.1	666.8	561.3	497.1	478.4	455.3
12.5°	1221.0	1214.4	1155.6	1011.7	804.6	597.0	439.4	321.3	265.8	249.4	249.4
15°	1266.0	1251.7	1149.0	920.0	634.4	388.3	245.5	185.6	168.6	164.2	164.2
17.5°	1312.1	1284.7	1123.2	794.7	438.3	229.6	163.7	152.1	149.9	150.5	151.0
20°	1355.5	1312.7	1077.6	644.3	279.6	160.4	146.6	143.9	142.8	143.9	143.4
22.5°	1402.7	1338.5	1008.4	480.0	181.8	144.4	139.5	137.3	136.2	137.9	137.9
25°	1449.4	1357.2	916.7	323.0	144.4	134.6	131.8	129.6	128.5	129.1	129.1
27.5°	1473.6	1350.0	796.4	206.0	129.6	124.7	121.9	119.2	117.5	117.0	117.5
30°	1490.1	1328.1	649.2	146.6	117.5	111.5	108.7	106.6	102.2	99.4	100.5
32.5°	1515.9	1306.1	489.4	123.0	107.7	98.3	93.9	88.4	82.4	79.6	79.6
35°	1546.6	1275.9	343.3	110.9	97.2	87.3	79.1	69.8	62.6	60.4	60.4
37.5°	1587.3	1247.3	228.5	102.7	88.4	78.0	66.5	55.5	47.8	46.7	46.1
40°	1648.3	1223.1	160.9	96.7	80.7	68.1	54.4	42.8	37.3	35.7	35.7
42.5°	1727.3	1198.4	127.4	90.6	74.1	58.8	43.4	34.1	29.7	28.6	28.0
45°	1825.1	1169.3	110.9	85.1	67.6	48.9	34.6	28.6	25.3	24.2	24.2
47.5°	1931.1	1129.8	103.3	78.0	59.9	39.5	29.1	24.7	23.1	22.5	22.0
50°	2035.5	1076.5	96.7	71.4	51.1	32.4	25.3	22.5	21.4	20.9	20.9
52.5°	2126.6	1014.4	88.4	63.7	41.7	28.0	22.5	20.9	19.8	18.7	18.1
55°	2204.6	946.9	78.0	54.9	34.1	24.7	20.9	19.2	18.1	17.0	16.5
57.5°	2305.1	908.4	62.6	44.5	28.0	22.0	19.2	17.6	16.5	14.8	14.8
60°	2416.6	880.4	46.7	35.2	24.2	20.3	17.6	15.9	14.8	13.2	13.2
62.5°	2506.2	838.7	36.8	28.6	20.9	18.1	15.9	14.3	13.2	11.5	11.5
65°	2540.2	752.5	30.2	22.5	17.0	15.9	14.3	13.2	11.5	9.9	9.9
67.5°	2386.4	580.0	25.3	18.1	14.3	13.7	12.6	12.1	9.9	8.8	8.2
70°	1889.9	353.7	20.9	14.8	12.1	11.5	11.5	10.4	8.8	8.2	7.7
72.5°	1295.1	182.3	17.0	12.1	10.4	10.4	9.9	9.3	8.2	7.7	7.7
75°	672.8	61.0	13.2	9.3	8.2	8.8	8.8	8.2	7.7	7.7	7.1
77.5°	192.8	27.5	9.9	7.1	6.6	6.6	7.1	7.1	7.1	6.6	6.6
80°	50.0	15.9	7.1	5.5	5.5	5.5	5.5	6.0	6.6	6.0	6.0
82.5°	20.3	8.8	4.9	4.4	4.4	4.4	4.4	4.9	5.5	5.5	5.5
85°	12.6	4.4	3.8	3.8	3.8	3.3	3.3	3.8	3.8	4.4	4.4
87.5°	7.7	3.3	3.3	3.3	3.3	2.7	2.7	2.7	2.7	2.7	2.7
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)