

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: P632275

Luminaire Tested: GWS-SA2C-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6837.7 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

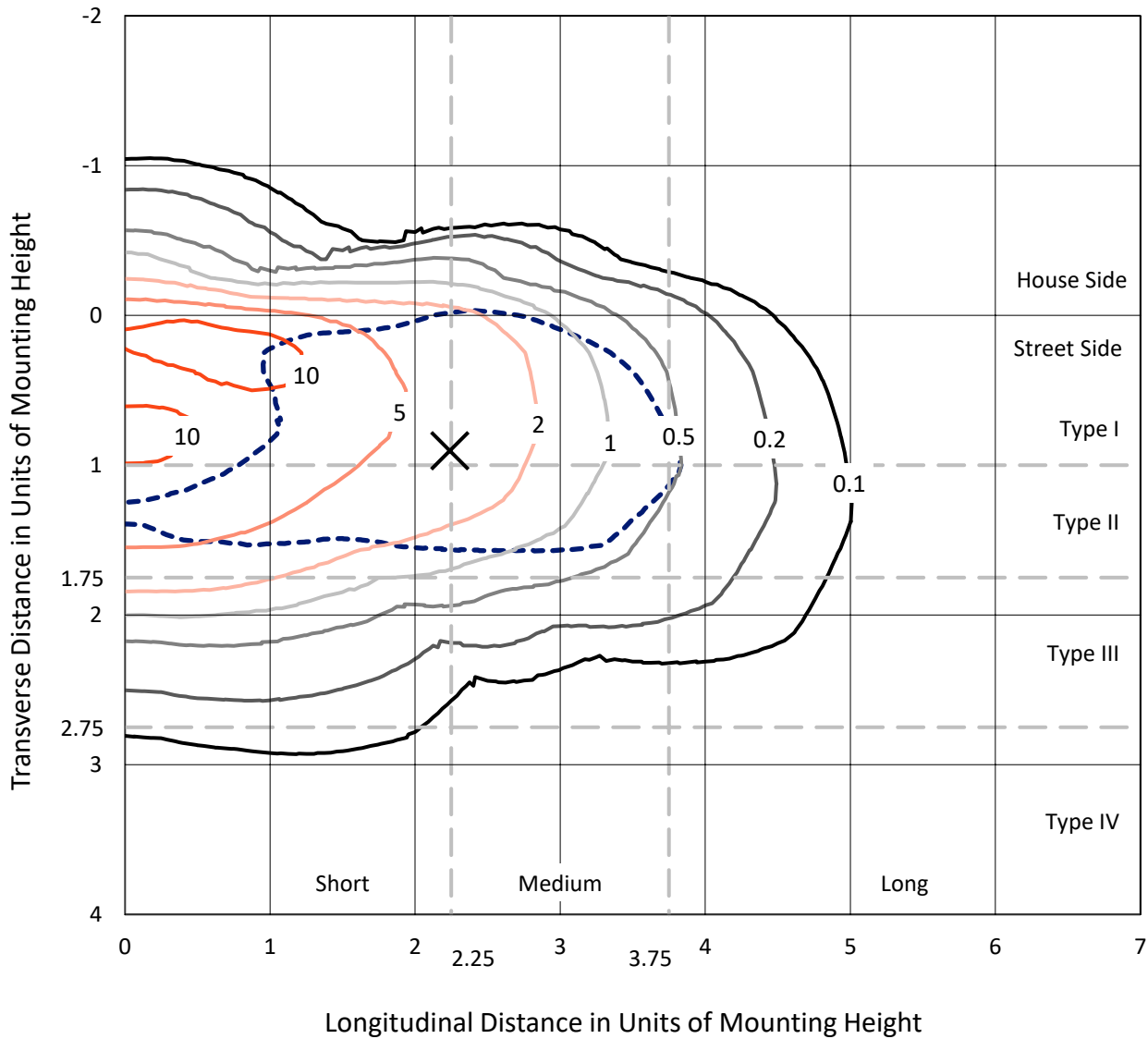
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

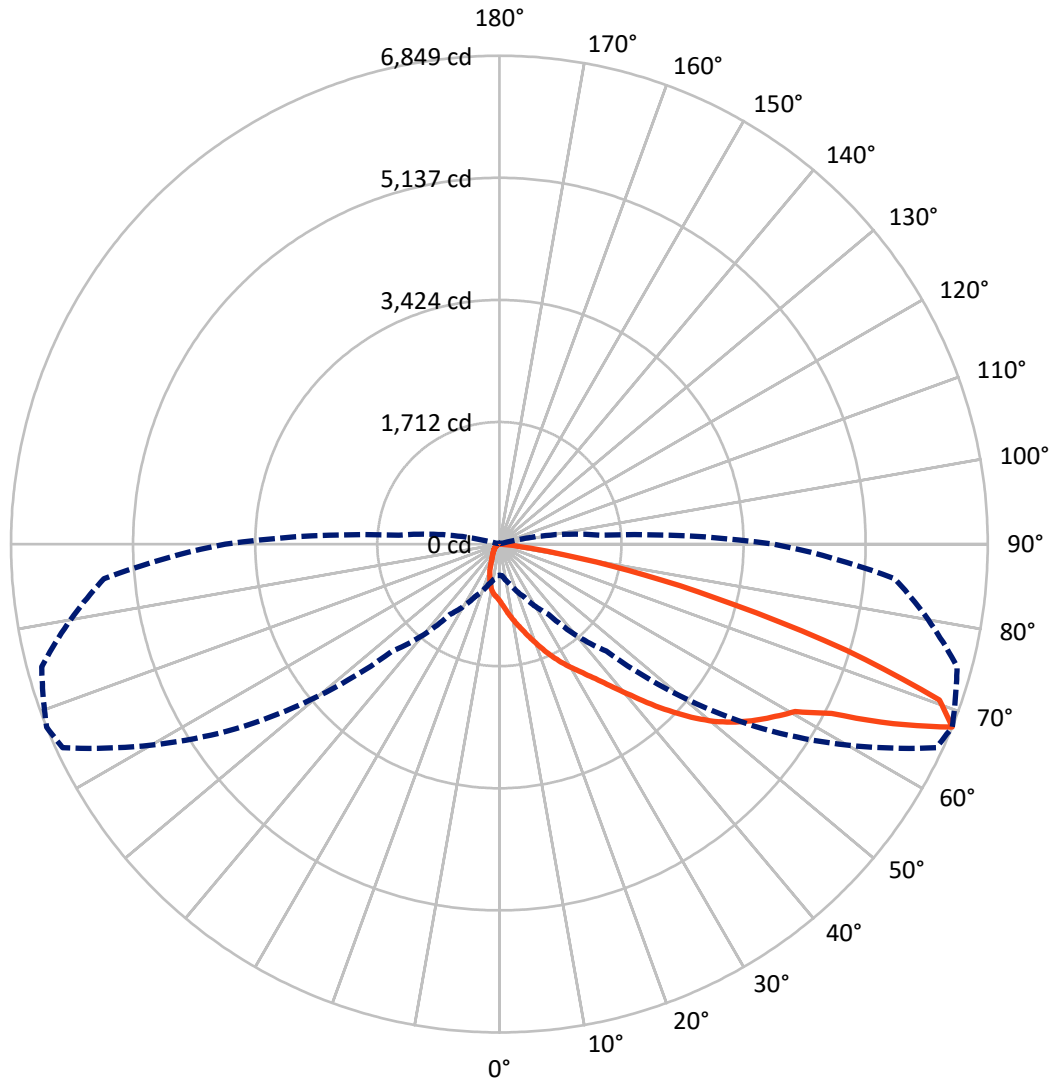
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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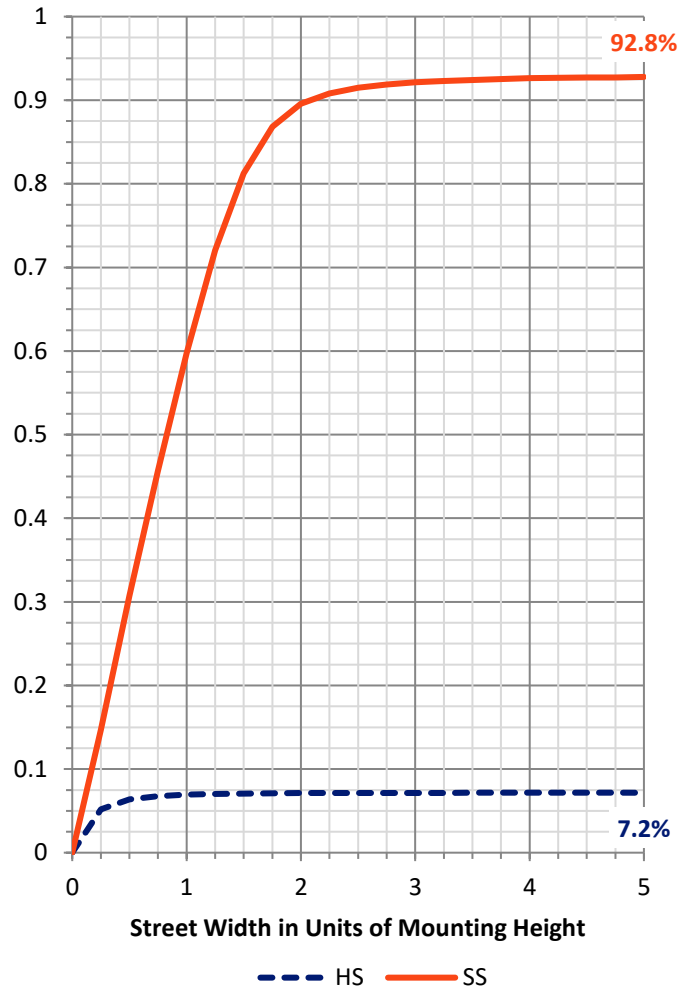
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.8	0.0	493.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	6343.9	0.0	6343.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	6837.7	0.0	6837.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.1
10°-20°	222.9	3.3
20°-30°	383.0	5.6
30°-40°	665.9	9.7
40°-50°	1161.9	17.0
50°-60°	1752.5	25.6
60°-70°	1757.3	25.7
70°-80°	775.3	11.3
80°-90°	41.4	0.6
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°	6837.7	100.0
0°-180°	6837.7	100.0

Coefficient of Utilization

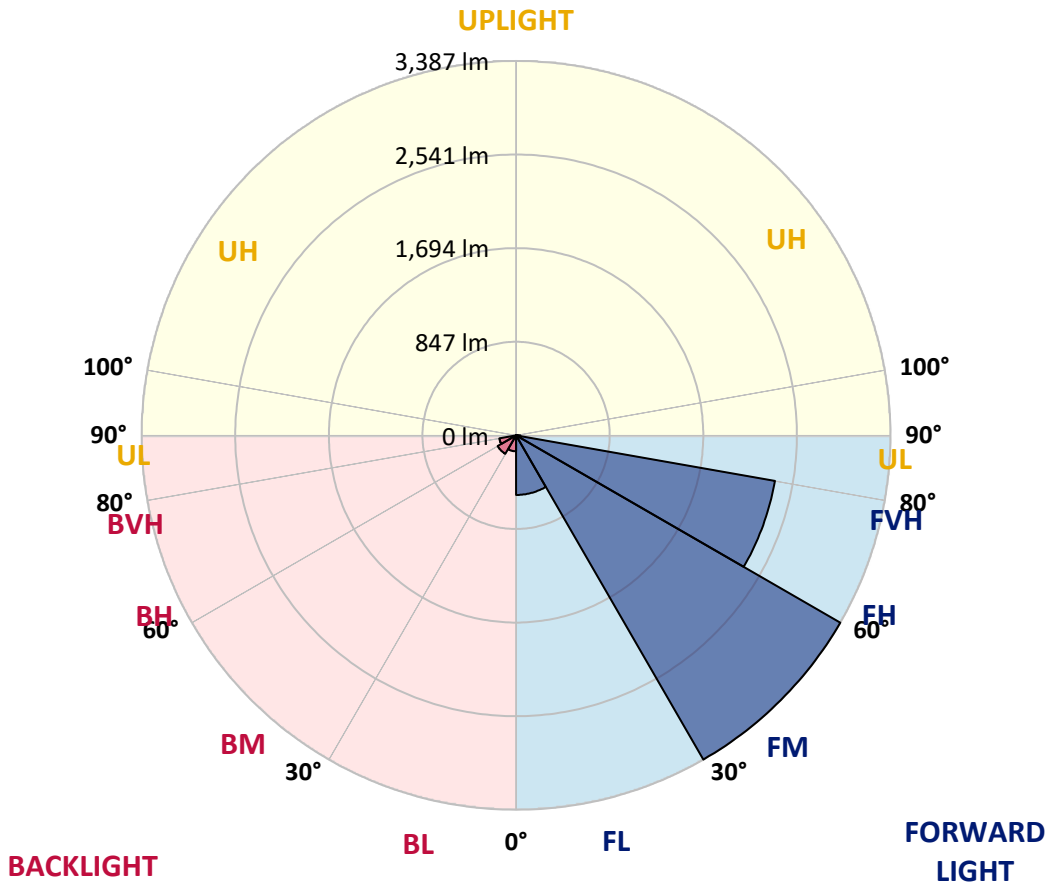


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.0	7.9			
FM (30°-60°)	3387.4	49.5			
FH (60°-80°)	2378.5	34.8			G2/5000
FVH (80°-90°)	39.1	0.6			G1/100
BL (0°-30°)	144.5	2.1	B1/500		
BM (30°-60°)	192.9	2.8	B0/220		
BH (60°-80°)	154.1	2.3	B1/500		G1/500
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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	926.6	932.5	926.6	927.9	910.9	903.1	886.0	862.5	856.6	841.5	818.6
5°	1039.8	1045.1	1039.2	1037.9	1018.2	1003.8	975.7	935.1	923.3	893.9	848.7
7.5°	1101.3	1104.6	1106.6	1109.8	1102.6	1090.9	1065.3	1015.0	1002.5	954.8	891.3
10°	1107.9	1110.5	1120.3	1139.9	1154.3	1161.5	1147.1	1100.7	1081.0	1034.6	943.6
12.5°	1089.6	1093.5	1109.2	1141.9	1181.8	1218.5	1227.6	1187.1	1169.4	1109.8	1005.1
15°	1065.3	1068.6	1090.2	1134.7	1194.9	1262.3	1300.3	1282.6	1263.0	1200.8	1073.2
17.5°	1028.0	1032.6	1062.7	1122.9	1200.8	1297.0	1378.8	1384.7	1370.9	1303.5	1148.4
20°	1007.1	1010.4	1037.2	1099.4	1196.9	1322.5	1452.1	1507.7	1492.7	1422.0	1234.8
22.5°	1024.8	1027.4	1045.1	1093.5	1183.8	1336.9	1520.1	1630.7	1622.2	1548.9	1325.8
25°	1117.7	1126.2	1115.7	1124.2	1189.7	1344.8	1575.1	1753.8	1755.7	1681.8	1420.0
27.5°	1306.2	1295.0	1270.2	1227.6	1235.5	1365.7	1622.2	1869.6	1886.6	1811.3	1503.8
30°	1497.9	1491.3	1476.3	1410.2	1355.2	1412.2	1662.1	1988.0	2014.9	1938.9	1578.4
32.5°	1713.2	1719.7	1692.9	1613.7	1520.1	1506.4	1703.4	2100.6	2151.0	2083.6	1666.1
35°	1970.4	1972.3	1919.3	1831.6	1725.6	1662.1	1777.3	2224.9	2317.8	2268.1	1783.2
37.5°	2221.0	2232.8	2204.0	2065.9	1971.7	1855.8	1899.7	2384.6	2515.5	2495.8	1930.4
40°	2442.8	2461.1	2452.0	2318.5	2194.8	2097.3	2089.5	2571.7	2754.3	2776.6	2124.8
42.5°	2619.5	2631.3	2638.5	2543.6	2434.3	2379.4	2323.7	2789.0	3036.4	3127.3	2363.0
45°	2806.0	2809.9	2825.0	2760.9	2665.3	2669.9	2600.5	3052.7	3333.4	3516.0	2636.5
47.5°	3043.6	3056.6	3049.4	2982.0	2895.7	2947.4	2886.5	3324.3	3626.6	3930.9	2916.6
50°	3332.8	3346.5	3340.0	3261.5	3165.3	3186.9	3148.9	3588.0	3909.3	4322.2	3149.6
52.5°	3482.0	3493.1	3574.3	3609.6	3559.2	3421.8	3372.7	3877.9	4148.2	4644.2	3363.5
55°	3410.0	3417.9	3594.5	3743.7	3928.3	3790.9	3597.8	4101.7	4358.9	4895.5	3522.6
57.5°	3111.6	3154.1	3394.3	3646.9	4034.9	4155.4	3963.0	4345.1	4561.7	5070.2	3679.0
60°	2499.8	2497.8	2842.0	3295.5	3826.9	4255.5	4478.6	4674.3	4765.2	5204.3	3888.4
62.5°	1381.4	1393.8	1851.9	2449.4	3248.4	3996.3	4865.4	5242.9	5229.2	5438.6	4216.2
65°	687.8	712.6	961.3	1403.0	2161.4	3302.7	4932.1	6110.7	6071.4	5990.3	4893.5
67.5°	436.5	446.3	583.7	815.4	1201.5	2122.8	4516.6	6757.9	6848.8	6644.6	5565.6
70°	282.7	299.1	405.7	557.5	725.1	1094.1	3308.6	6338.4	6547.1	6572.7	5146.8
72.5°	153.8	165.6	259.1	397.9	523.5	547.1	1858.5	4756.7	5092.4	5575.4	4026.4
75°	87.7	96.2	142.0	270.3	384.1	333.1	823.9	3184.2	3398.2	3984.6	2885.2
77.5°	53.0	60.2	79.8	131.5	240.8	222.5	311.5	1938.3	2074.4	2377.4	1514.3
80°	24.2	28.8	50.4	72.6	131.5	105.4	119.1	903.7	933.2	975.7	501.3
82.5°	11.1	13.1	22.9	43.2	74.6	60.9	45.8	208.7	293.8	278.1	127.6
85°	1.3	1.3	8.5	17.7	20.9	15.7	19.0	47.1	59.5	83.8	36.6
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	3.9	5.9	8.5	13.7	9.2
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°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
2.5°	808.2	789.8	773.5	749.3	732.9	714.6	702.2	687.1	681.2	676.6	670.1
5°	826.5	797.0	757.1	712.6	676.0	641.3	609.2	588.3	570.0	567.4	558.2
7.5°	856.6	812.7	745.3	672.7	610.5	553.0	507.8	471.2	452.8	446.9	436.5
10°	896.5	836.3	727.7	616.4	526.8	458.1	407.0	365.8	337.0	326.5	318.7
12.5°	941.0	857.9	699.5	547.1	445.0	366.5	301.7	257.8	239.5	233.0	227.1
15°	992.1	878.2	655.0	477.7	365.1	269.6	223.8	204.8	197.0	195.0	193.0
17.5°	1041.1	891.3	602.0	405.7	280.7	209.4	187.8	180.6	178.6	176.7	175.4
20°	1096.8	900.4	539.9	337.7	217.9	177.3	166.9	161.6	157.7	153.8	153.1
22.5°	1153.7	900.4	472.5	270.9	182.6	159.0	147.2	137.4	130.2	126.3	125.0
25°	1208.0	888.0	405.7	216.6	161.0	141.3	126.3	115.2	105.4	100.8	99.5
27.5°	1246.6	855.9	347.5	183.2	145.9	125.6	107.3	94.9	87.0	82.5	81.8
30°	1270.8	808.2	293.8	163.6	132.8	109.3	91.0	80.5	74.6	71.3	70.0
32.5°	1289.1	749.3	246.0	149.9	120.4	94.9	79.2	70.7	65.4	62.8	62.2
35°	1325.8	693.7	210.7	137.4	107.3	83.1	69.4	62.8	58.9	55.6	55.0
37.5°	1376.8	647.2	182.6	126.3	94.9	73.9	62.8	56.9	53.7	50.4	49.7
40°	1452.1	617.7	161.6	115.2	83.8	66.7	57.6	52.4	47.8	44.5	43.8
42.5°	1567.9	604.0	147.9	104.0	73.9	60.2	53.0	46.5	41.9	38.6	38.0
45°	1706.0	611.2	136.1	92.9	67.4	55.6	47.1	40.6	36.0	32.7	32.1
47.5°	1853.9	636.7	126.3	82.5	60.9	51.0	41.9	34.7	30.8	27.5	26.8
50°	2008.3	678.6	117.8	72.6	55.6	45.8	36.0	30.1	26.2	23.6	22.9
52.5°	2142.5	735.5	109.3	65.4	51.0	40.6	31.4	26.2	22.2	19.6	19.0
55°	2270.7	789.2	102.7	58.9	45.8	35.3	27.5	22.2	19.0	16.4	15.7
57.5°	2410.1	846.1	94.9	53.0	41.2	31.4	24.2	19.0	16.4	13.7	13.1
60°	2613.0	930.5	83.1	48.4	36.0	27.5	20.9	17.0	14.4	11.1	10.5
62.5°	2905.5	1084.3	70.0	41.9	30.8	23.6	17.7	14.4	11.8	9.2	7.9
65°	3452.5	1346.1	57.6	34.7	24.9	19.6	15.1	11.8	9.2	6.5	5.9
67.5°	3846.5	1414.1	46.5	28.1	20.3	15.1	12.4	9.2	6.5	4.6	3.9
70°	3362.9	1015.6	36.0	22.9	17.0	11.8	9.8	7.2	4.6	3.3	2.6
72.5°	2533.8	663.5	26.8	17.7	13.1	9.8	7.2	5.9	3.9	2.6	2.0
75°	1785.8	383.5	19.6	13.1	9.2	7.2	5.9	4.6	3.3	2.0	2.0
77.5°	915.5	158.4	13.7	9.2	6.5	4.6	3.9	2.6	2.6	2.0	1.3
80°	278.1	52.4	7.9	5.9	4.6	3.3	2.0	2.0	2.0	1.3	0.7
82.5°	63.5	17.0	4.6	4.6	3.3	2.6	2.0	0.7	0.7	0.0	0.0
85°	16.4	5.2	3.9	3.3	3.3	2.6	1.3	0.7	0.0	0.0	0.0
87.5°	5.9	3.3	3.3	3.3	2.6	2.0	1.3	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)