

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: P632611

Luminaire Tested: GWS-SA2D-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5311 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

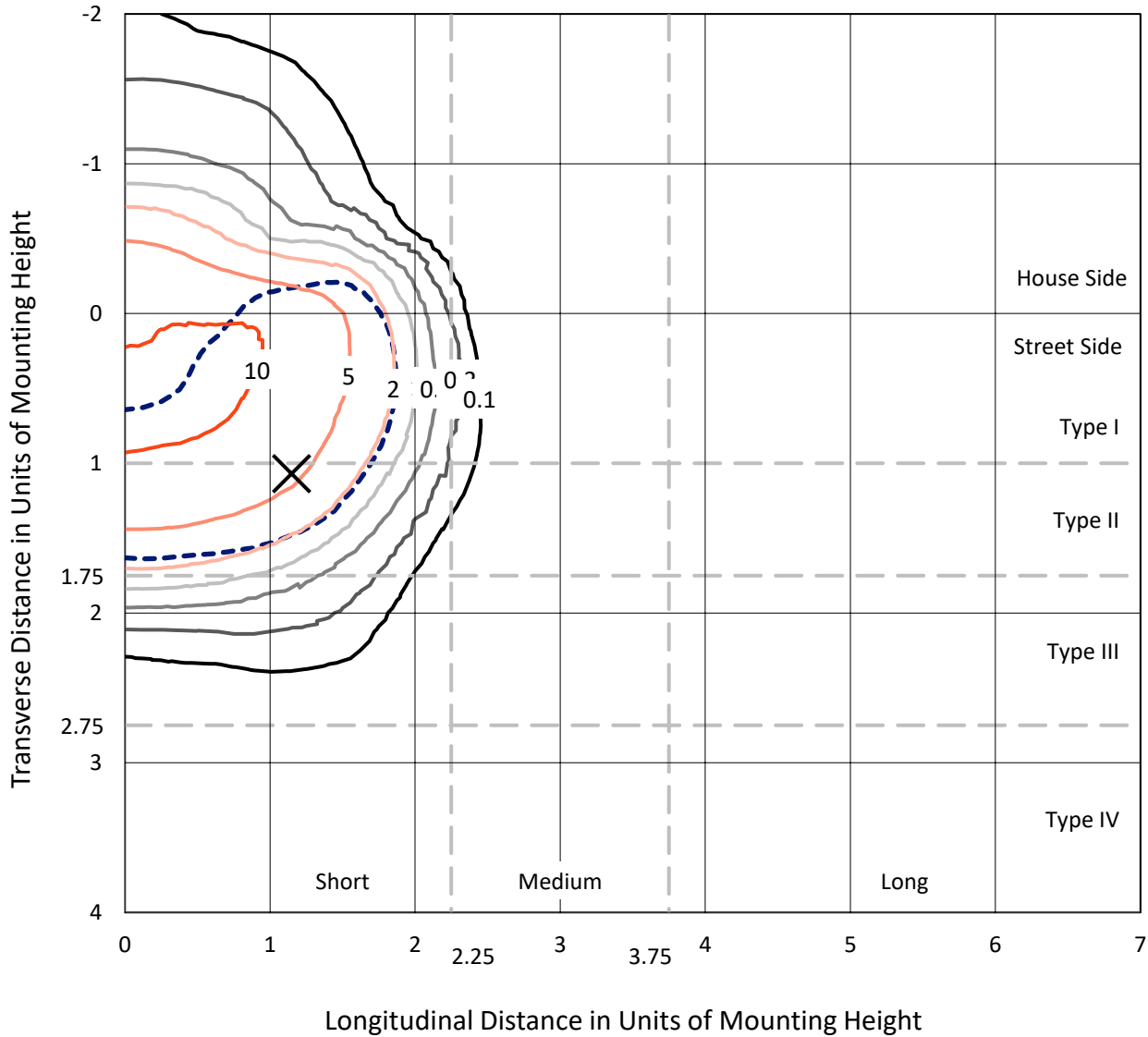
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

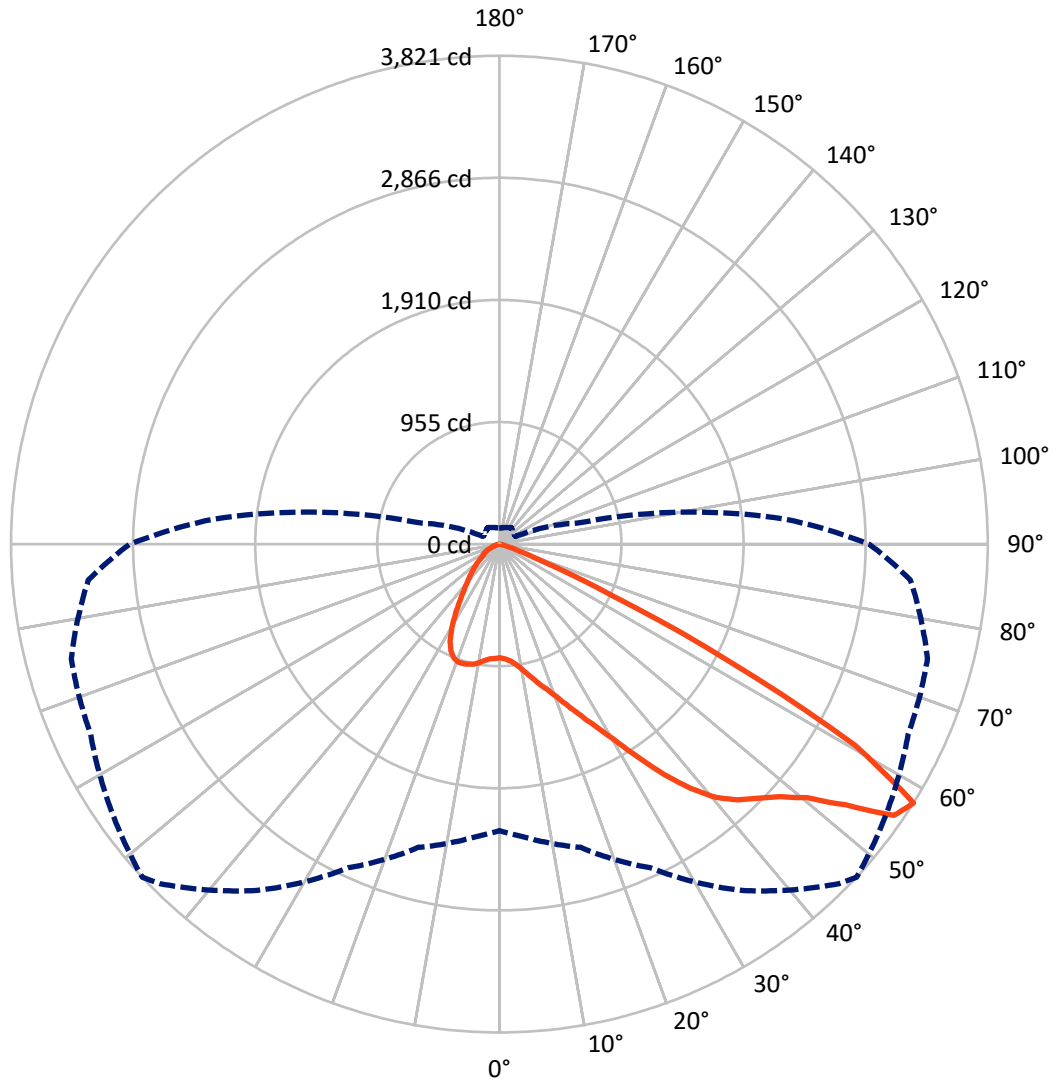
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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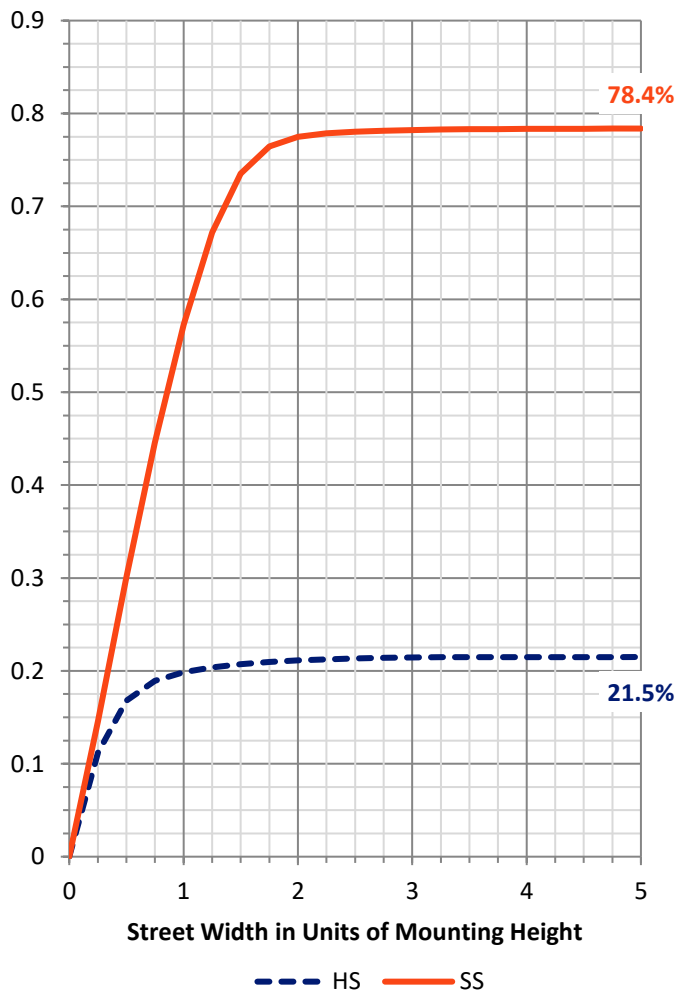
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.2	0.0	1152.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4158.8	0.0	4158.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	5311.0	0.0	5311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.7
10°-20°	298.5	5.6
20°-30°	554.2	10.4
30°-40°	887.1	16.7
40°-50°	1296.8	24.4
50°-60°	1600.4	30.1
60°-70°	534.8	10.1
70°-80°	49.8	0.9
80°-90°	1.0	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°	5311.0	100.0
0°-180°	5311.0	100.0

Coefficient of Utilization



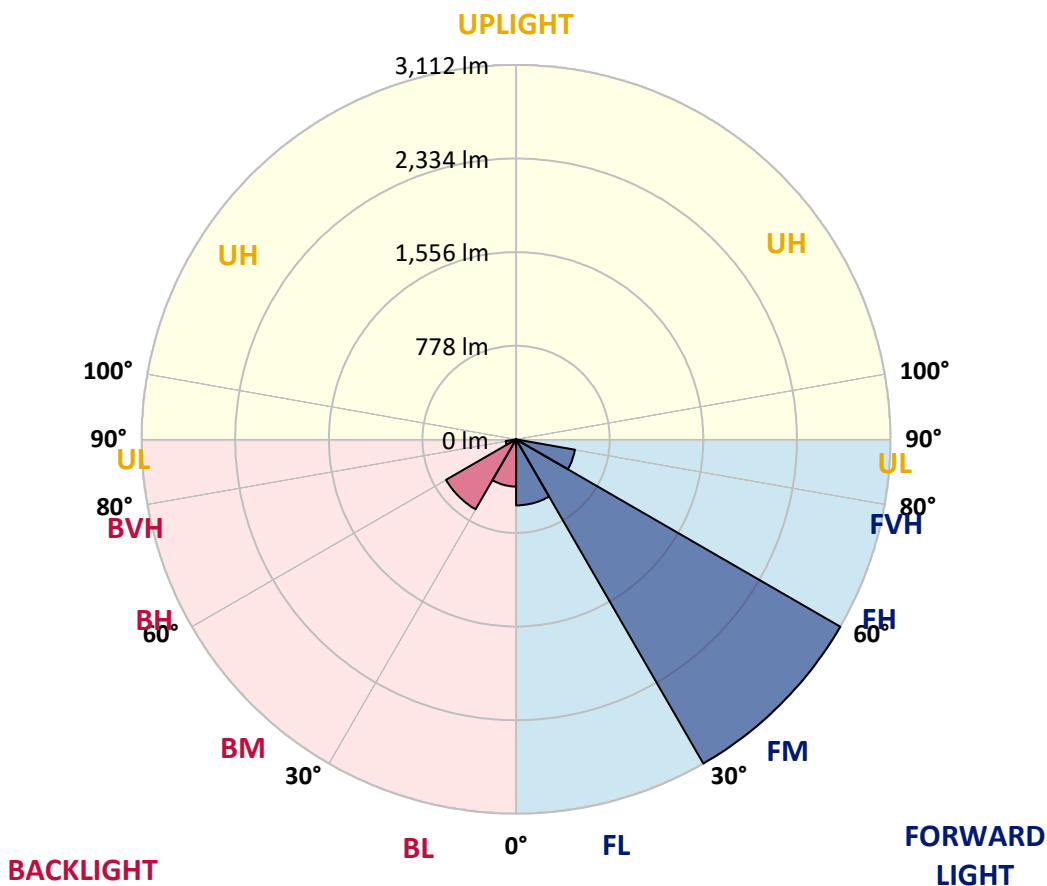
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.9	10.3			
FM (30°-60°)	3112.2	58.6			
FH (60°-80°)	497.0	9.4			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	392.2	7.4	B1/500		
BM (30°-60°)	672.1	12.7	B1/1000		
BH (60°-80°)	87.6	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1
2.5°	898.3	897.7	897.1	900.8	899.5	898.9	900.2	900.2	900.2	896.5	889.1
5°	919.9	919.9	919.3	923.0	919.9	918.0	918.7	918.7	916.2	909.4	900.2
7.5°	953.8	952.6	951.3	955.0	952.0	951.3	952.6	948.9	944.6	933.5	920.5
10°	1002.5	1002.5	1000.7	1004.4	1001.9	1000.7	1000.7	998.2	990.2	972.9	953.8
12.5°	1069.7	1066.6	1062.3	1059.2	1058.0	1057.4	1058.0	1054.3	1045.7	1023.5	997.0
15°	1143.1	1140.6	1133.8	1128.9	1122.1	1120.9	1124.6	1121.5	1112.9	1082.7	1045.1
17.5°	1235.6	1238.7	1221.4	1210.9	1191.2	1189.9	1191.2	1196.1	1189.9	1151.1	1096.2
20°	1314.5	1317.0	1304.0	1296.6	1278.7	1270.7	1273.2	1281.2	1274.4	1228.8	1152.3
22.5°	1399.0	1402.0	1388.5	1373.1	1365.0	1365.0	1374.3	1385.4	1376.1	1316.3	1216.5
25°	1500.1	1502.5	1491.4	1471.1	1456.9	1474.8	1488.4	1517.9	1502.5	1421.2	1292.3
27.5°	1616.0	1616.6	1600.6	1579.6	1572.2	1605.5	1619.1	1664.7	1658.5	1538.9	1372.4
30°	1739.9	1740.5	1736.8	1722.6	1715.9	1759.6	1778.1	1844.1	1839.8	1685.0	1481.6
32.5°	1868.8	1868.8	1875.5	1874.3	1882.3	1953.9	1983.4	2058.7	2054.3	1863.8	1617.2
35°	1998.2	1998.9	2010.6	2040.2	2073.5	2168.4	2207.3	2298.5	2288.6	2077.8	1790.5
37.5°	2145.6	2139.4	2155.5	2199.9	2273.8	2383.6	2420.6	2507.5	2496.4	2296.7	2016.7
40°	2323.2	2312.1	2312.1	2363.9	2447.7	2574.1	2605.5	2648.7	2611.1	2473.6	2238.7
42.5°	2519.2	2508.7	2495.2	2540.8	2611.1	2709.7	2735.6	2723.9	2693.1	2640.7	2491.5
45°	2717.8	2701.7	2711.0	2738.7	2779.4	2826.3	2836.1	2781.9	2767.7	2782.5	2700.5
47.5°	2868.8	2857.7	2880.5	2919.4	2952.7	2959.4	2952.7	2877.4	2876.2	2928.6	2845.4
50°	2919.4	2920.6	2983.5	3068.6	3122.2	3127.8	3118.5	3032.2	3020.5	3035.9	2923.7
52.5°	2924.3	2929.2	3021.1	3183.3	3329.4	3396.0	3388.6	3295.5	3180.8	3164.1	3042.1
55°	2805.3	2834.3	2962.5	3199.3	3510.0	3722.7	3747.4	3569.2	3399.0	3384.9	3296.7
57.5°	2242.4	2301.6	2456.3	2793.6	3308.4	3756.6	3820.8	3692.5	3527.9	3467.5	3228.3
60°	1340.4	1413.8	1562.3	1976.0	2518.0	3087.7	3198.1	3215.9	3140.1	2965.6	2476.7
62.5°	575.2	569.1	752.2	1069.1	1497.6	1962.5	2012.4	2090.1	2156.1	1973.6	1503.2
65°	197.3	214.6	298.4	482.1	749.7	911.3	955.7	1025.3	1119.0	923.6	550.6
67.5°	122.1	129.5	172.0	284.8	404.5	398.3	378.6	367.5	357.6	244.8	151.1
70°	88.8	94.9	120.8	196.1	271.9	191.1	165.9	134.4	149.2	137.5	107.3
72.5°	59.8	64.7	83.2	119.0	139.3	93.1	86.3	98.0	118.4	112.8	87.6
75°	35.8	38.8	47.5	58.0	56.7	48.1	48.7	69.1	90.6	84.5	62.3
77.5°	24.7	25.9	31.4	37.6	27.7	14.8	13.6	19.1	30.8	30.8	21.0
80°	6.2	8.0	8.0	4.9	4.3	3.7	3.7	5.5	8.6	6.2	3.1
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
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°	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1	889.1
2.5°	893.4	886.0	890.9	889.7	893.4	894.6	889.1	887.8	888.5	881.1	878.6
5°	902.0	893.4	895.8	893.4	897.7	901.4	899.5	902.0	905.1	899.5	897.1
7.5°	920.5	911.9	911.3	907.6	913.7	916.2	915.6	922.4	928.5	924.8	921.1
10°	952.6	940.9	939.6	936.5	938.4	940.2	933.5	934.7	940.2	935.9	934.1
12.5°	992.0	977.9	974.8	967.4	967.4	958.1	943.3	940.2	944.6	941.5	938.4
15°	1034.6	1015.5	1010.5	997.6	985.2	968.0	952.6	948.9	952.0	948.3	945.8
17.5°	1082.0	1060.5	1044.4	1021.6	994.5	974.2	956.9	948.9	943.9	936.5	935.9
20°	1128.9	1100.5	1073.4	1037.0	1001.3	970.5	942.1	921.1	903.2	892.1	887.8
22.5°	1183.2	1141.2	1097.5	1046.3	995.1	948.3	898.3	862.6	831.7	821.2	816.3
25°	1241.1	1186.9	1121.5	1054.9	974.2	898.9	831.1	778.1	737.4	723.8	718.3
27.5°	1305.2	1230.6	1146.2	1053.1	931.0	828.6	738.6	672.7	632.6	620.3	624.6
30°	1386.6	1287.4	1177.0	1034.0	866.3	730.0	624.6	569.1	538.9	527.2	527.8
32.5°	1495.1	1368.7	1222.0	993.3	783.0	617.8	525.3	484.6	464.3	448.8	447.6
35°	1650.5	1492.7	1263.9	927.9	681.9	517.9	450.7	418.6	390.3	372.4	375.5
37.5°	1836.7	1648.7	1286.7	839.7	568.5	440.2	394.6	361.9	329.9	303.3	306.4
40°	2057.4	1852.7	1284.9	723.8	464.9	387.2	347.7	309.5	269.4	245.4	247.9
42.5°	2303.4	2045.7	1244.8	601.1	385.3	344.0	302.7	254.6	215.8	201.0	201.6
45°	2516.8	2202.3	1174.5	474.1	324.3	302.1	255.9	206.5	189.3	178.8	178.2
47.5°	2674.6	2317.0	1074.0	373.0	275.0	263.9	210.2	185.0	171.4	162.8	161.5
50°	2762.8	2357.1	963.1	292.2	232.4	223.8	188.0	167.7	158.5	152.9	151.7
52.5°	2881.1	2405.2	883.5	230.6	194.8	183.1	173.3	156.0	149.8	145.5	143.7
55°	3068.6	2498.3	814.5	183.1	162.2	159.7	163.4	149.2	145.5	138.7	136.3
57.5°	2892.2	2244.2	632.6	141.8	136.9	146.1	157.8	142.4	133.2	127.0	124.5
60°	2035.2	1492.1	318.1	114.1	122.1	136.9	148.6	128.9	119.6	120.8	119.6
62.5°	1122.1	746.6	143.0	95.6	106.0	120.8	127.0	111.6	105.4	115.9	117.8
65°	366.8	254.0	82.6	74.0	83.9	98.6	109.7	106.0	104.8	117.1	120.8
67.5°	112.8	83.9	56.1	53.0	58.0	72.8	92.5	114.7	123.3	127.0	128.9
70°	84.5	66.0	48.1	45.0	47.5	55.5	78.3	95.6	90.0	90.6	89.4
72.5°	67.8	52.4	41.3	39.5	39.5	38.2	41.3	51.8	58.6	61.7	61.7
75°	47.5	37.0	31.4	29.0	22.8	18.5	16.6	16.6	14.8	14.2	13.6
77.5°	16.0	13.6	12.3	9.9	6.8	5.5	4.9	4.3	3.1	1.8	1.2
80°	2.5	1.8	1.2	1.2	1.2	0.6	0.6	0.6	0.0	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	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)