

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: P630090

Luminaire Tested: GWS-SA1C-830-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3688.1 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

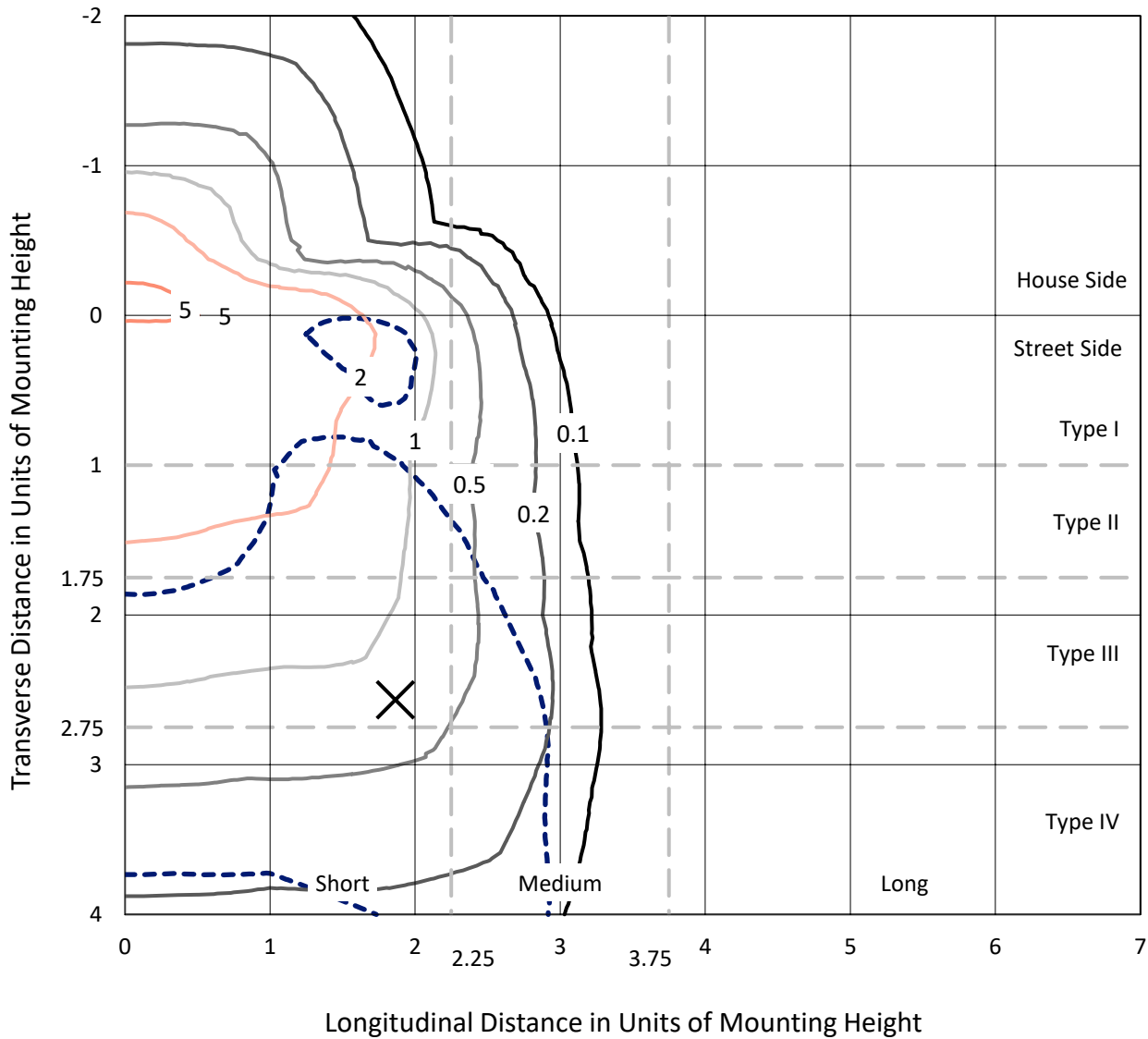
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630090
 CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

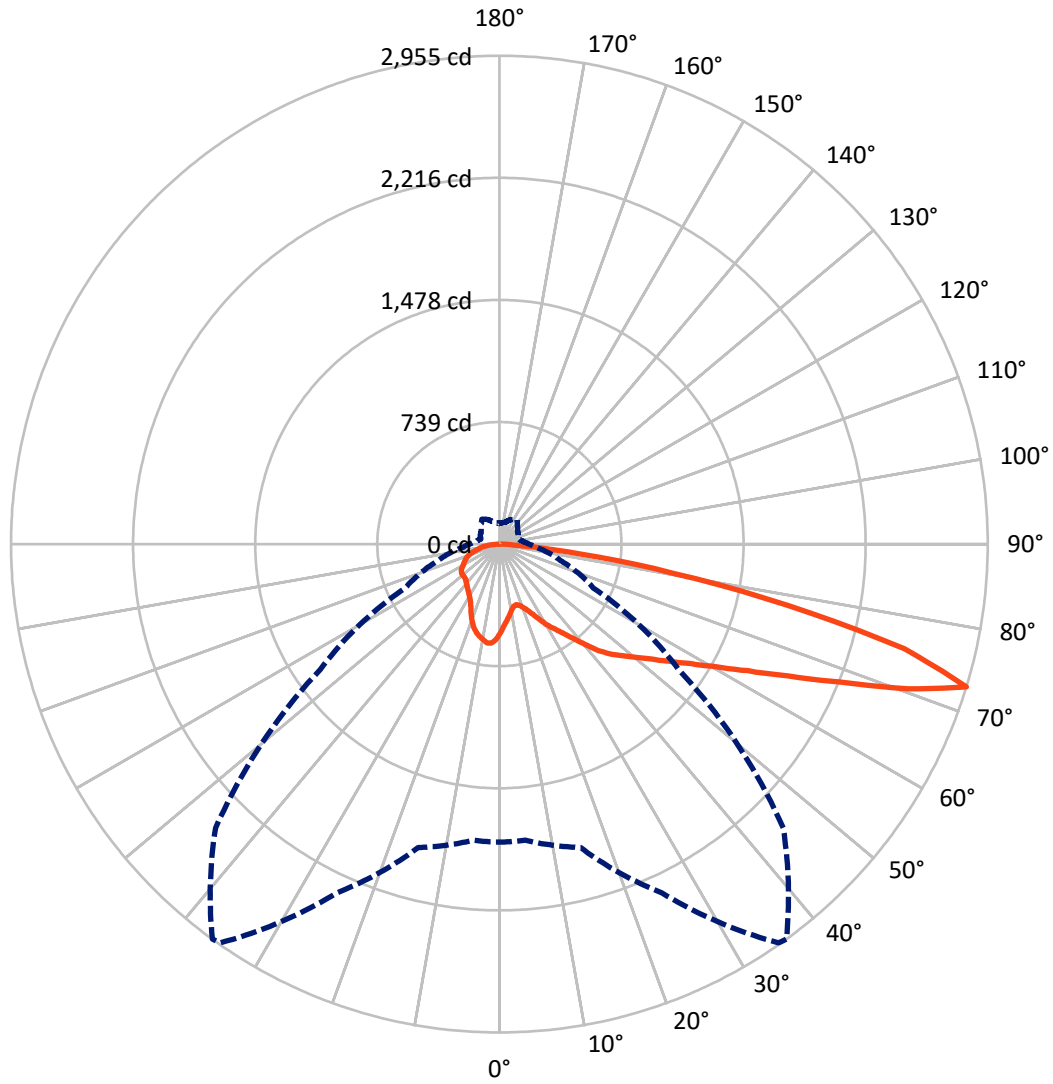
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P630090
CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P630090

CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

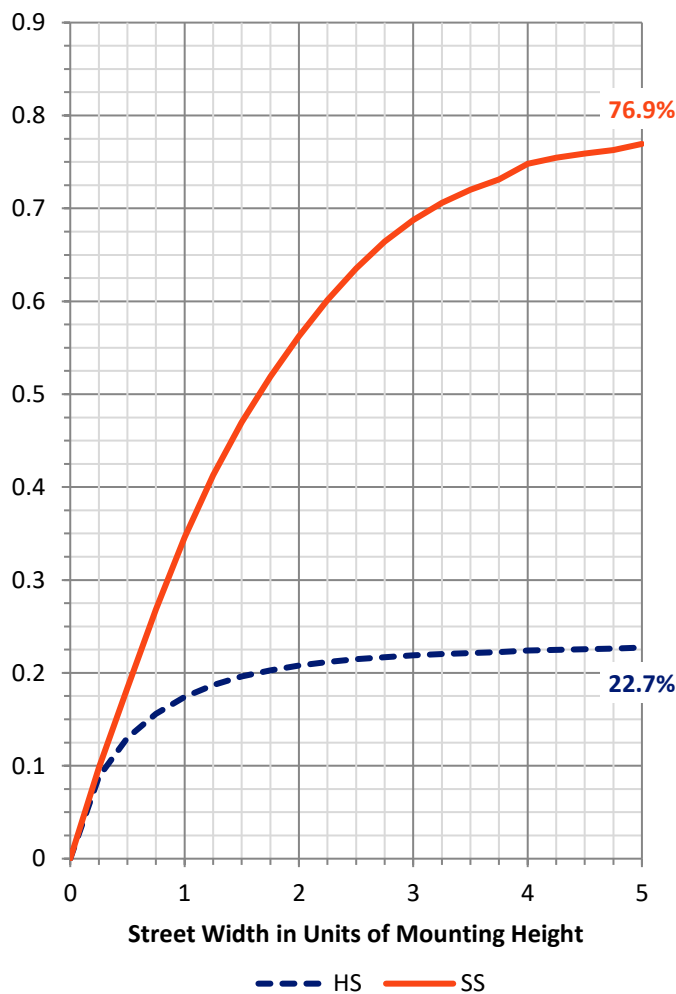
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.3	0.0	850.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2837.8	0.0	2837.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	3688.1	0.0	3688.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.4
10°-20°	142.3	3.9
20°-30°	235.7	6.4
30°-40°	353.1	9.6
40°-50°	515.1	14.0
50°-60°	733.1	19.9
60°-70°	926.2	25.1
70°-80°	660.0	17.9
80°-90°	72.0	2.0
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°	3688.1	100.0
0°-180°	3688.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630090

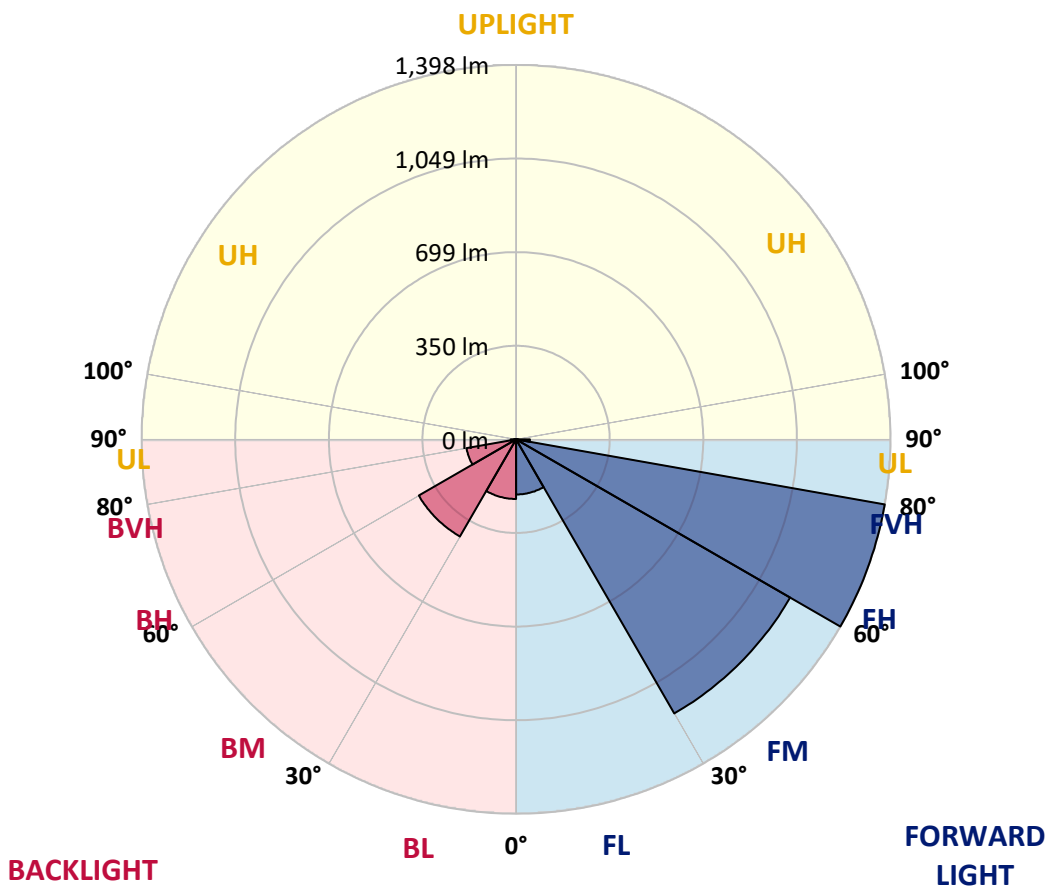
CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.9	5.6			
FM (30°-60°)	1181.9	32.0			
FH (60°-80°)	1398.3	37.9			G1/1800
FVH (80°-90°)	51.7	1.4			G1/100
BL (0°-30°)	222.7	6.0	B1/500		
BM (30°-60°)	419.3	11.4	B1/1000		
BH (60°-80°)	188.0	5.1	B1/500		G1/500
BVH (80°-90°)	20.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





REPORT NUMBER: P630090
 CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8
2.5°	492.4	491.6	490.0	494.9	499.8	499.3	506.1	512.7	519.8	527.2	537.0
5°	453.0	452.5	451.1	458.5	465.9	465.6	476.8	487.5	502.0	517.9	537.6
7.5°	413.6	412.2	414.1	423.4	433.8	434.9	450.3	467.8	488.9	512.7	540.6
10°	378.8	378.6	379.4	389.8	405.4	406.5	426.2	450.5	478.5	510.2	547.4
12.5°	369.8	369.2	367.1	372.3	384.0	385.7	407.3	437.1	471.3	511.6	556.7
15°	384.6	383.2	375.5	373.1	378.8	380.2	398.5	429.2	467.2	514.0	568.5
17.5°	410.0	409.2	394.7	384.6	388.4	389.5	403.2	427.8	466.1	519.0	583.0
20°	447.3	443.7	421.0	405.6	405.6	407.3	415.5	433.8	467.5	525.0	599.4
22.5°	496.5	489.4	457.4	436.6	431.1	433.3	436.9	448.9	473.3	535.1	620.0
25°	551.8	545.2	507.2	477.9	470.2	471.1	468.1	470.2	485.8	549.1	645.4
27.5°	610.7	606.3	565.8	528.5	516.5	516.5	505.8	500.6	503.4	565.0	673.9
30°	663.2	657.2	623.0	582.2	566.3	566.3	546.1	534.8	528.3	584.4	711.9
32.5°	690.9	687.3	664.6	633.4	613.9	610.9	593.4	580.3	565.0	613.1	763.4
35°	727.0	726.2	712.5	688.1	663.5	659.1	647.1	636.7	610.1	649.0	831.8
37.5°	772.4	771.1	768.9	754.4	724.8	724.0	713.3	700.7	666.2	700.7	914.8
40°	823.3	820.9	818.1	817.9	800.1	797.1	796.2	782.0	733.8	763.1	1001.3
42.5°	893.4	884.9	859.2	870.7	883.8	881.1	891.5	870.1	818.1	837.3	1083.1
45°	979.6	958.8	907.9	911.2	944.3	949.8	985.9	980.7	910.9	923.0	1169.3
47.5°	1031.4	1013.3	965.9	963.2	1004.5	1011.4	1089.9	1099.8	1010.8	1026.2	1275.8
50°	1073.8	1061.2	1022.3	1026.2	1070.0	1076.8	1193.1	1214.2	1105.0	1131.8	1399.5
52.5°	1125.0	1106.9	1076.8	1094.9	1148.5	1156.7	1307.8	1330.5	1189.8	1247.9	1527.6
55°	1153.7	1146.3	1146.9	1174.5	1241.9	1253.1	1428.0	1424.1	1267.6	1347.2	1624.0
57.5°	1220.0	1217.2	1242.4	1252.8	1350.8	1365.3	1548.1	1515.3	1338.2	1424.1	1670.2
60°	1336.8	1330.0	1351.9	1367.8	1485.5	1506.0	1682.3	1604.5	1386.1	1481.4	1654.6
62.5°	1501.1	1492.6	1493.4	1518.6	1665.8	1687.5	1831.4	1679.0	1400.9	1490.1	1555.8
65°	1705.3	1692.9	1679.0	1713.2	1905.3	1923.4	1993.8	1733.2	1365.6	1405.8	1349.4
67.5°	1920.7	1910.5	1894.1	1965.8	2215.5	2226.4	2175.8	1728.5	1253.6	1180.3	946.5
70°	1933.3	1935.7	2013.5	2272.9	2620.3	2623.0	2347.9	1634.9	1015.2	765.0	471.6
72.5°	1803.5	1799.4	1900.7	2329.1	2946.0	2955.3	2429.2	1324.5	627.4	381.6	221.2
75°	1464.9	1472.1	1578.5	2037.8	2525.0	2533.3	1980.3	780.9	298.1	186.7	141.5
77.5°	630.6	670.3	880.3	1435.6	1808.4	1783.0	1020.7	316.4	159.0	133.0	108.4
80°	182.0	197.6	313.7	682.7	1083.6	1064.5	404.0	118.5	110.9	99.9	77.7
82.5°	58.8	65.1	115.0	271.8	485.6	485.0	153.3	70.1	72.5	67.9	50.1
85°	16.4	18.9	35.3	82.4	150.3	147.3	44.3	33.1	38.6	39.1	24.9
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.1	4.9	11.2	14.2	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630090
 CATALOG NUMBER: GWS-SA1C-830-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8	539.8
2.5°	543.1	542.2	553.5	562.2	570.4	575.9	577.5	578.6	580.8	581.9	580.8
5°	546.9	551.0	569.6	583.3	594.2	600.8	601.1	600.5	602.2	600.8	600.0
7.5°	555.1	563.0	586.6	601.1	608.2	608.5	601.9	594.2	590.4	587.1	586.0
10°	566.0	577.8	603.5	613.1	610.9	600.8	586.3	574.3	567.4	562.5	561.4
12.5°	581.1	594.2	618.6	618.3	604.6	586.6	569.6	555.1	545.2	539.5	537.6
15°	595.3	612.0	629.5	616.7	595.1	573.2	551.3	531.8	518.7	509.7	508.0
17.5°	612.9	630.6	637.5	611.5	583.0	554.8	525.5	500.1	482.3	471.6	470.8
20°	633.1	649.0	641.3	602.5	567.4	530.5	490.8	462.3	443.1	432.7	433.6
22.5°	656.6	668.1	642.4	590.1	545.8	496.0	451.6	424.3	411.4	405.9	406.2
25°	681.8	689.2	640.5	573.4	512.7	453.8	411.4	398.8	397.7	396.3	396.9
27.5°	711.7	710.0	634.7	549.9	468.1	404.8	383.2	386.5	390.9	390.3	390.9
30°	751.6	736.0	627.4	517.3	415.0	363.8	366.5	375.8	381.6	382.1	383.8
32.5°	797.3	764.8	615.6	473.0	364.3	340.8	350.9	362.1	369.0	370.3	372.5
35°	851.8	797.6	594.8	417.7	327.9	327.1	336.4	344.1	351.5	352.0	352.0
37.5°	914.5	830.5	561.7	356.7	305.5	315.3	324.1	325.7	327.6	326.0	326.8
40°	972.0	862.2	514.6	301.1	287.1	304.9	312.3	306.8	300.8	296.7	297.5
42.5°	1020.1	883.8	452.2	262.2	268.5	295.6	301.4	290.1	278.4	270.7	271.8
45°	1074.3	903.8	378.8	235.9	252.6	289.0	292.9	278.4	263.3	251.8	250.2
47.5°	1149.1	944.6	313.7	217.6	241.4	285.5	291.8	272.1	252.4	235.1	233.2
50°	1241.3	1002.4	259.2	205.6	236.2	283.6	291.5	265.2	241.7	221.4	220.1
52.5°	1342.0	1058.7	219.0	196.3	231.0	277.8	290.1	257.6	230.5	208.6	206.9
55°	1409.1	1080.9	191.9	187.5	222.5	268.8	284.7	250.2	213.5	193.5	191.1
57.5°	1428.8	1052.4	173.0	179.6	211.6	256.2	274.3	234.6	203.1	187.2	185.3
60°	1394.9	980.7	161.2	173.0	199.5	240.0	256.2	225.5	194.9	180.7	179.3
62.5°	1299.1	870.1	152.2	166.1	187.2	223.1	244.7	214.6	185.9	174.6	172.7
65°	1106.4	713.6	144.8	159.0	175.5	206.9	232.1	203.6	176.0	167.5	165.3
67.5°	773.8	501.2	136.9	150.5	163.7	191.3	219.0	193.5	165.9	159.6	157.4
70°	378.3	265.8	127.3	140.7	151.1	175.5	205.8	181.2	152.5	148.9	145.9
72.5°	180.1	148.6	116.1	127.3	133.8	154.4	183.9	163.4	136.6	128.9	123.7
75°	120.7	105.7	101.3	111.4	113.0	129.5	157.7	141.0	120.4	111.7	107.3
77.5°	91.4	80.7	85.1	94.2	90.9	106.5	129.7	125.6	108.7	100.7	98.5
80°	64.3	58.8	67.6	73.1	70.6	90.6	116.9	107.6	89.5	80.7	79.1
82.5°	40.5	39.4	49.8	50.6	51.5	71.7	96.1	84.6	69.5	57.2	53.1
85°	20.3	22.4	29.8	29.8	29.6	37.0	54.7	47.6	37.5	29.8	29.0
87.5°	6.8	9.6	12.9	10.4	7.9	6.3	7.1	8.8	9.3	9.0	9.0
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)