

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: P629597

Luminaire Tested: GWS-SA1B-830-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629597
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-SA1B-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: 2750.1 lumens
Efficiency: N/A
Efficacy: 110.0 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

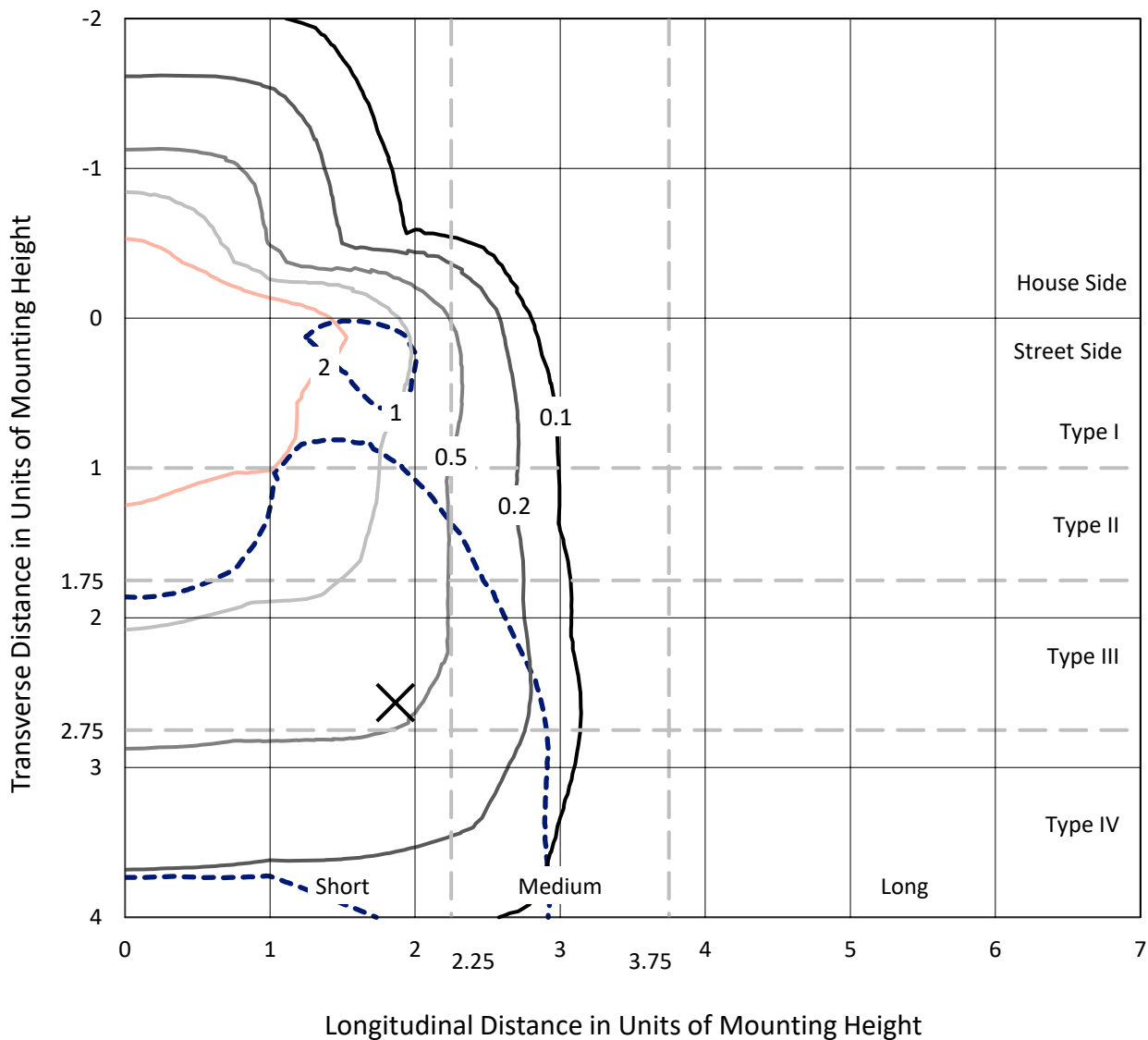
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629597
 CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

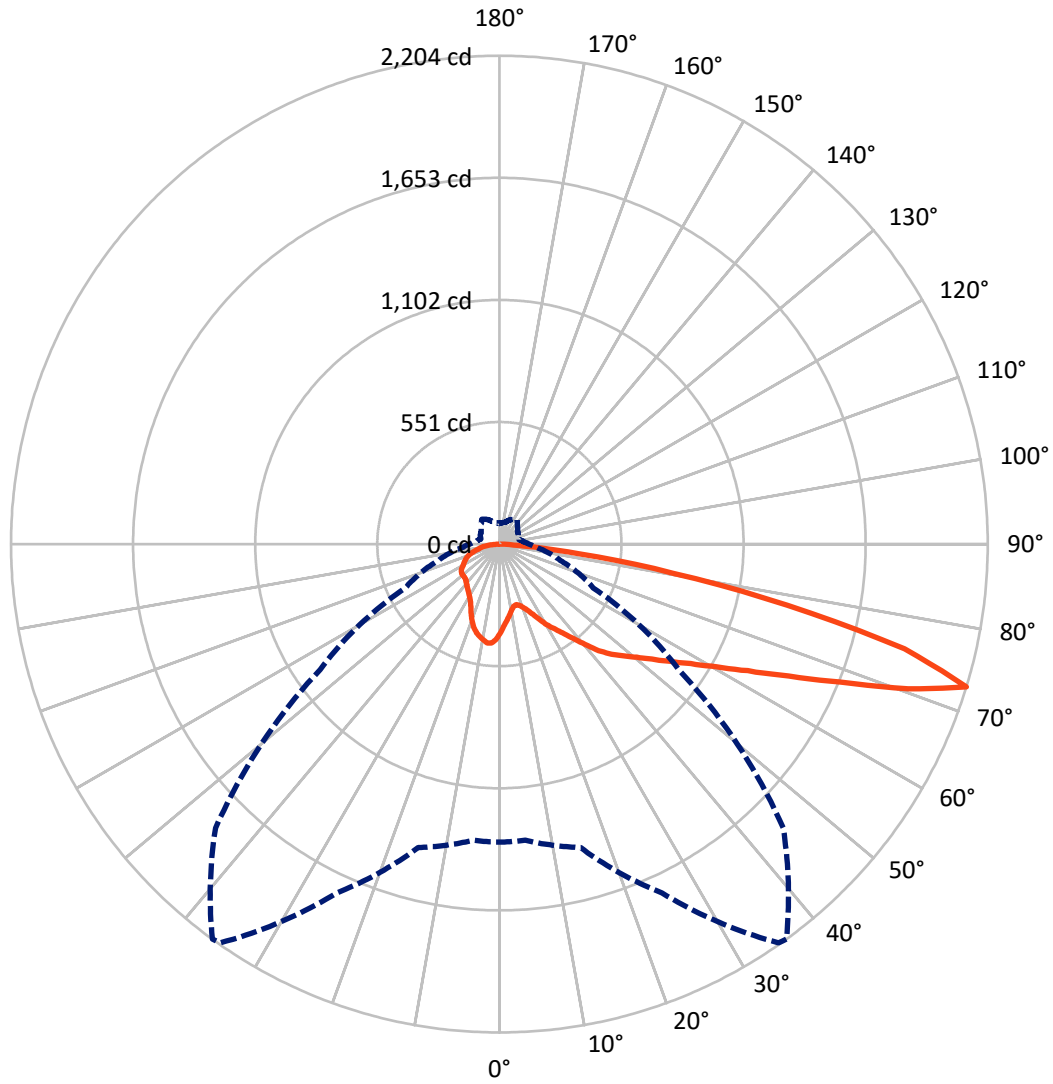
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P629597
CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629597

CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

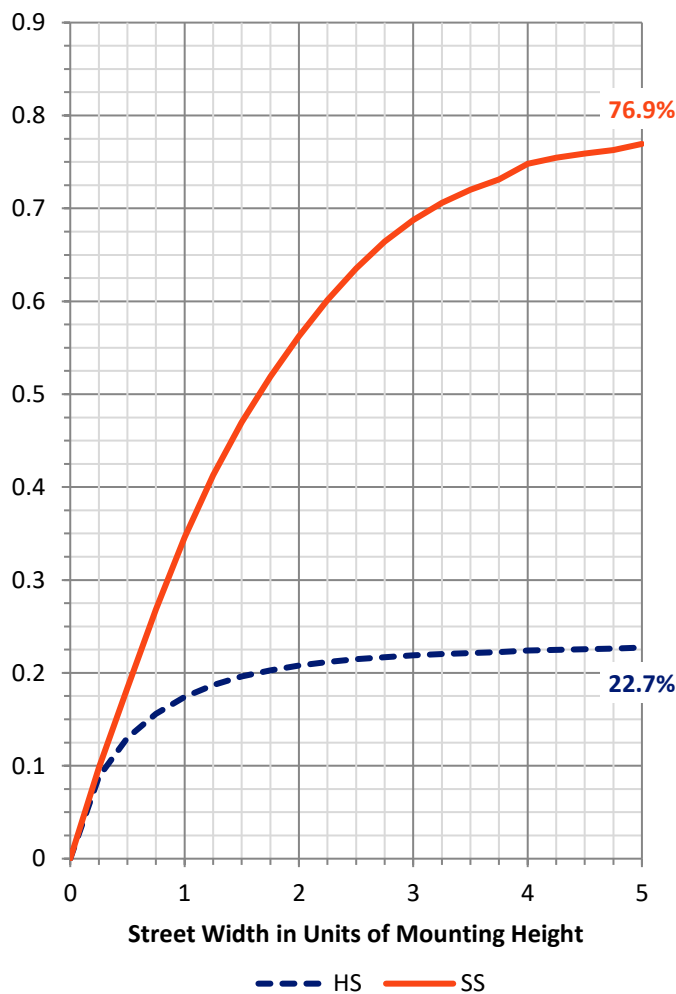
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	634.0	0.0	634.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	2116.1	0.0	2116.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2750.1	0.0	2750.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.4
10°-20°	106.1	3.9
20°-30°	175.8	6.4
30°-40°	263.3	9.6
40°-50°	384.1	14.0
50°-60°	546.7	19.9
60°-70°	690.7	25.1
70°-80°	492.2	17.9
80°-90°	53.7	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°	2750.1	100.0
0°-180°	2750.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629597

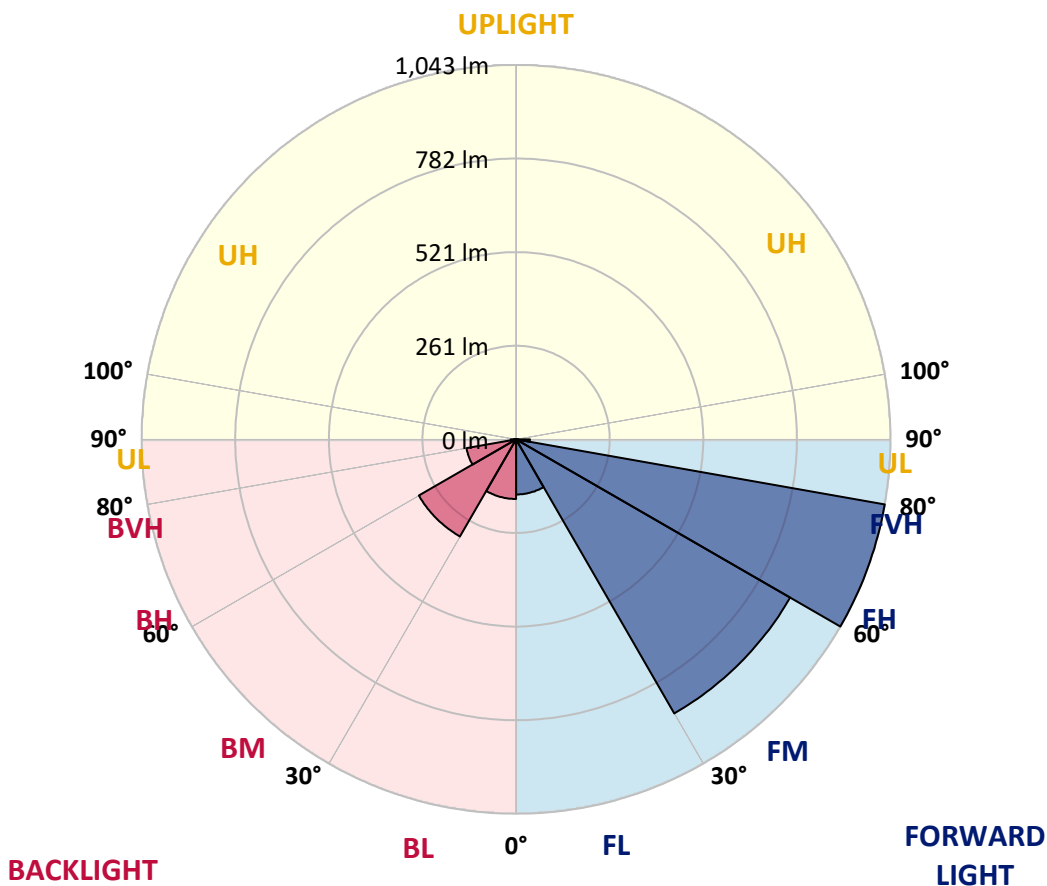
CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.5	5.6			
FM (30°-60°)	881.3	32.0			
FH (60°-80°)	1042.7	37.9			G1/1800
FVH (80°-90°)	38.6	1.4			G1/100
BL (0°-30°)	166.0	6.0	B1/500		
BM (30°-60°)	312.7	11.4	B1/1000		
BH (60°-80°)	140.2	5.1	B1/500		G1/500
BVH (80°-90°)	15.2	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: P629597
 CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5
2.5°	367.2	366.6	365.3	369.0	372.7	372.3	377.4	382.3	387.6	393.1	400.4
5°	337.8	337.4	336.4	341.9	347.4	347.2	355.5	363.5	374.3	386.2	400.9
7.5°	308.4	307.4	308.8	315.7	323.5	324.3	335.7	348.8	364.5	382.3	403.1
10°	282.5	282.3	282.9	290.6	302.3	303.1	317.8	336.0	356.8	380.4	408.2
12.5°	275.7	275.3	273.7	277.6	286.4	287.6	303.7	326.0	351.5	381.5	415.1
15°	286.8	285.7	280.0	278.2	282.5	283.5	297.2	320.0	348.4	383.3	423.9
17.5°	305.7	305.1	294.3	286.8	289.6	290.4	300.6	319.0	347.6	387.0	434.7
20°	333.5	330.8	313.9	302.5	302.5	303.7	309.8	323.5	348.6	391.5	447.0
22.5°	370.2	364.9	341.1	325.5	321.5	323.1	325.7	334.7	352.9	399.0	462.3
25°	411.5	406.6	378.2	356.4	350.6	351.3	349.0	350.6	362.3	409.4	481.3
27.5°	455.4	452.1	421.9	394.1	385.1	385.1	377.2	373.3	375.3	421.3	502.5
30°	494.5	490.0	464.5	434.1	422.3	422.3	407.2	398.8	393.9	435.8	530.9
32.5°	515.2	512.5	495.6	472.3	457.8	455.6	442.5	432.7	421.3	457.2	569.2
35°	542.1	541.5	531.3	513.1	494.7	491.5	482.5	474.7	454.9	483.9	620.3
37.5°	576.0	575.0	573.3	562.5	540.5	539.9	531.9	522.5	496.8	522.5	682.1
40°	613.9	612.1	610.1	609.9	596.6	594.3	593.7	583.1	547.2	569.0	746.6
42.5°	666.2	659.9	640.7	649.2	659.0	657.0	664.8	648.8	610.1	624.3	807.6
45°	730.5	715.0	677.0	679.5	704.2	708.2	735.2	731.3	679.3	688.2	871.9
47.5°	769.1	755.6	720.3	718.2	749.1	754.2	812.7	820.1	753.7	765.2	951.3
50°	800.7	791.3	762.3	765.2	797.8	802.9	889.7	905.4	824.0	844.0	1043.6
52.5°	838.9	825.4	802.9	816.4	856.4	862.5	975.2	992.1	887.2	930.5	1139.1
55°	860.3	854.8	855.2	875.8	926.0	934.4	1064.8	1061.9	945.2	1004.6	1210.9
57.5°	909.7	907.6	926.4	934.2	1007.2	1018.1	1154.4	1129.9	997.9	1061.9	1245.4
60°	996.8	991.7	1008.1	1019.9	1107.7	1123.0	1254.4	1196.4	1033.6	1104.6	1233.8
62.5°	1119.3	1113.0	1113.6	1132.4	1242.2	1258.3	1365.6	1252.0	1044.6	1111.1	1160.1
65°	1271.6	1262.4	1252.0	1277.5	1420.8	1434.2	1486.7	1292.4	1018.3	1048.3	1006.2
67.5°	1432.2	1424.6	1412.4	1465.9	1652.0	1660.2	1622.4	1288.9	934.8	880.1	705.8
70°	1441.6	1443.4	1501.4	1694.9	1953.9	1955.9	1750.8	1219.1	757.0	570.5	351.7
72.5°	1344.8	1341.8	1417.3	1736.7	2196.8	2203.7	1811.4	987.7	467.8	284.5	164.9
75°	1092.4	1097.7	1177.1	1519.5	1882.8	1889.0	1476.7	582.3	222.3	139.2	105.5
77.5°	470.3	499.8	656.4	1070.5	1348.5	1329.5	761.1	235.9	118.6	99.2	80.8
80°	135.7	147.4	233.9	509.0	808.0	793.8	301.3	88.4	82.7	74.5	58.0
82.5°	43.9	48.6	85.7	202.7	362.1	361.7	114.3	52.3	54.1	50.6	37.4
85°	12.2	14.1	26.3	61.4	112.1	109.8	33.1	24.7	28.8	29.2	18.6
87.5°	0.0	0.0	0.2	0.4	0.4	0.4	0.8	3.7	8.4	10.6	7.6
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: P629597
 CATALOG NUMBER: GWS-SA1B-830-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5
2.5°	404.9	404.3	412.7	419.2	425.3	429.4	430.7	431.5	433.1	433.9	433.1
5°	407.8	410.9	424.7	434.9	443.1	448.0	448.2	447.8	449.0	448.0	447.4
7.5°	413.9	419.8	437.4	448.2	453.5	453.7	448.8	443.1	440.2	437.8	437.0
10°	422.1	430.9	450.0	457.2	455.6	448.0	437.2	428.2	423.1	419.4	418.6
12.5°	433.3	443.1	461.3	461.1	450.9	437.4	424.7	413.9	406.6	402.3	400.9
15°	443.9	456.4	469.4	459.8	443.7	427.4	411.1	396.6	386.8	380.0	378.8
17.5°	457.0	470.3	475.4	456.0	434.7	413.7	391.9	372.9	359.6	351.7	351.1
20°	472.1	483.9	478.2	449.2	423.1	395.5	366.0	344.7	330.4	322.7	323.3
22.5°	489.6	498.2	479.0	440.0	407.0	369.8	336.8	316.4	306.8	302.7	302.9
25°	508.4	513.9	477.6	427.6	382.3	338.4	306.8	297.4	296.6	295.5	295.9
27.5°	530.7	529.4	473.3	410.0	349.0	301.9	285.7	288.2	291.5	291.0	291.5
30°	560.5	548.8	467.8	385.8	309.4	271.3	273.3	280.2	284.5	284.9	286.2
32.5°	594.5	570.3	459.0	352.7	271.7	254.1	261.7	270.0	275.1	276.2	277.8
35°	635.2	594.8	443.5	311.5	244.5	243.9	250.8	256.6	262.1	262.5	262.5
37.5°	681.9	619.2	418.8	265.9	227.8	235.1	241.7	242.9	244.3	243.1	243.7
40°	724.8	642.9	383.7	224.5	214.1	227.4	232.9	228.8	224.3	221.2	221.9
42.5°	760.7	659.0	337.2	195.5	200.2	220.4	224.7	216.3	207.6	201.9	202.7
45°	801.1	673.9	282.5	175.9	188.4	215.5	218.4	207.6	196.3	187.8	186.5
47.5°	856.8	704.4	233.9	162.3	180.0	212.9	217.6	202.9	188.2	175.3	173.9
50°	925.6	747.4	193.3	153.3	176.1	211.4	217.4	197.8	180.2	165.1	164.1
52.5°	1000.7	789.5	163.3	146.3	172.3	207.2	216.3	192.1	171.9	155.5	154.3
55°	1050.7	806.0	143.1	139.8	165.9	200.4	212.3	186.5	159.2	144.3	142.5
57.5°	1065.4	784.8	129.0	133.9	157.8	191.0	204.5	174.9	151.4	139.6	138.2
60°	1040.1	731.3	120.2	129.0	148.8	179.0	191.0	168.2	145.3	134.7	133.7
62.5°	968.7	648.8	113.5	123.9	139.6	166.3	182.5	160.0	138.6	130.2	128.8
65°	825.0	532.1	108.0	118.6	130.8	154.3	173.1	151.9	131.2	124.9	123.3
67.5°	577.0	373.7	102.1	112.3	122.1	142.7	163.3	144.3	123.7	119.0	117.4
70°	282.1	198.2	94.9	104.9	112.7	130.8	153.5	135.1	113.7	111.0	108.8
72.5°	134.3	110.8	86.5	94.9	99.8	115.1	137.2	121.8	101.8	96.1	92.3
75°	90.0	78.8	75.5	83.1	84.3	96.5	117.6	105.1	89.8	83.3	80.0
77.5°	68.2	60.2	63.5	70.2	67.8	79.4	96.7	93.7	81.0	75.1	73.5
80°	48.0	43.9	50.4	54.5	52.7	67.6	87.2	80.2	66.7	60.2	59.0
82.5°	30.2	29.4	37.1	37.8	38.4	53.5	71.6	63.1	51.8	42.7	39.6
85°	15.1	16.7	22.2	22.2	22.0	27.6	40.8	35.5	28.0	22.2	21.6
87.5°	5.1	7.1	9.6	7.8	5.9	4.7	5.3	6.5	6.9	6.7	6.7
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)