

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: P635012

Luminaire Tested: GWS-SA3C-830-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8731.1 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

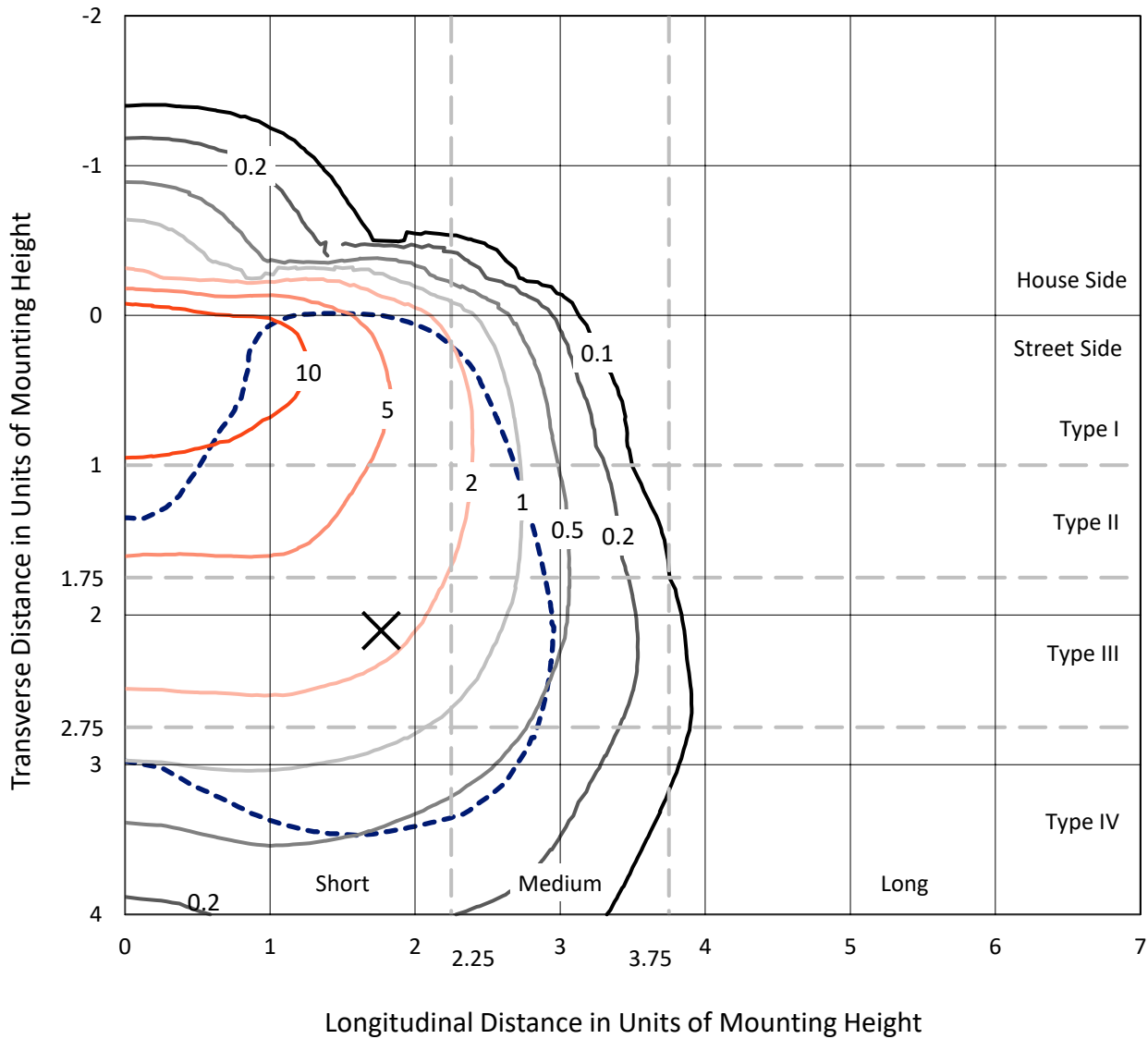
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635012
 CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

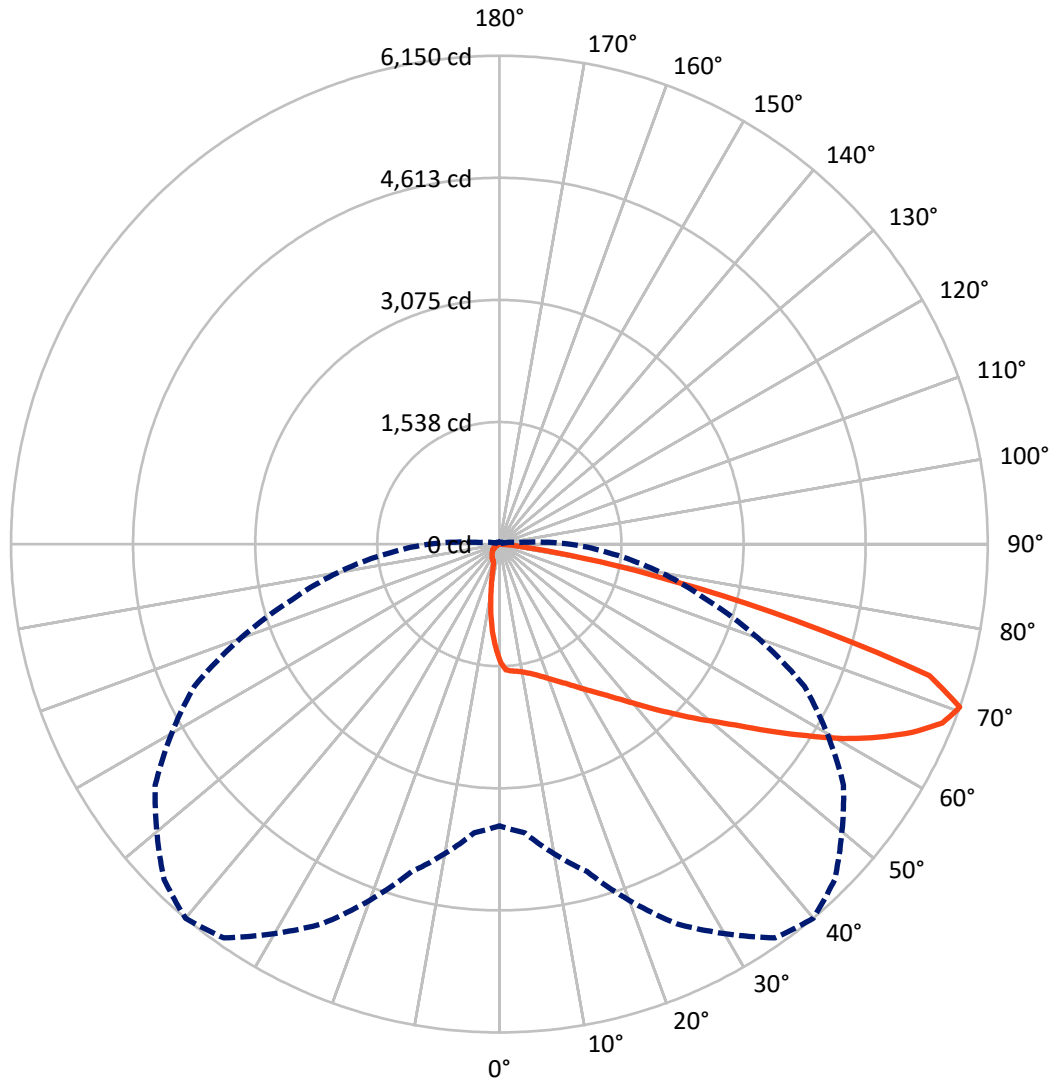
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P635012
CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P635012
 CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

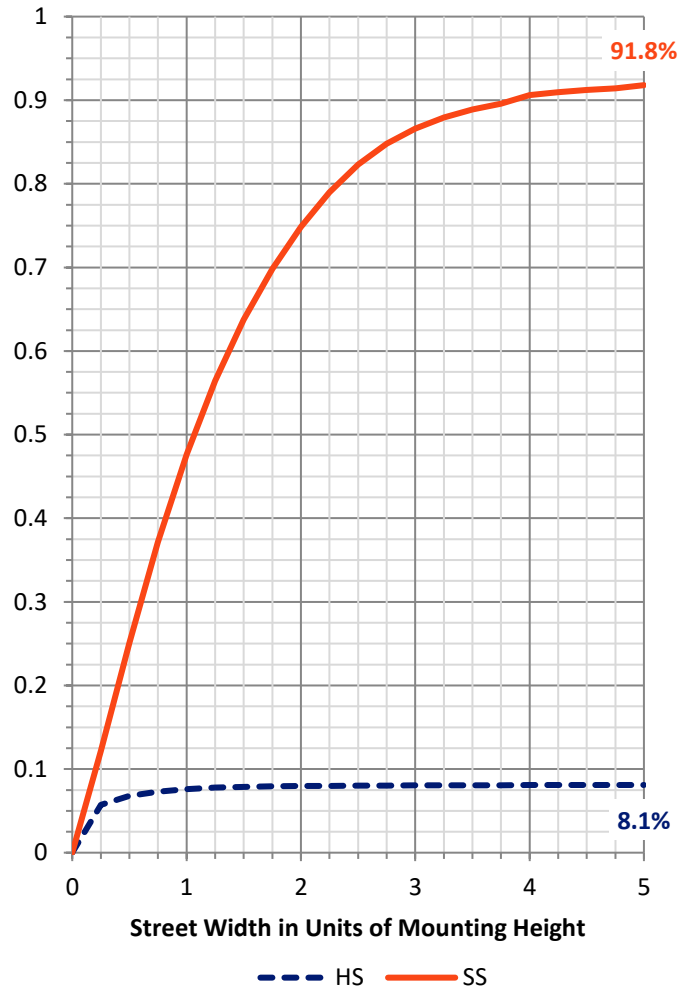
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.0	0.0	714.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	8017.1	0.0	8017.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	8731.1	0.0	8731.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	1.4
10°-20°	317.6	3.6
20°-30°	531.5	6.1
30°-40°	834.9	9.6
40°-50°	1320.5	15.1
50°-60°	1926.3	22.1
60°-70°	2388.0	27.4
70°-80°	1208.2	13.8
80°-90°	78.9	0.9
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°	8731.1	100.0
0°-180°	8731.1	100.0

Coefficient of Utilization

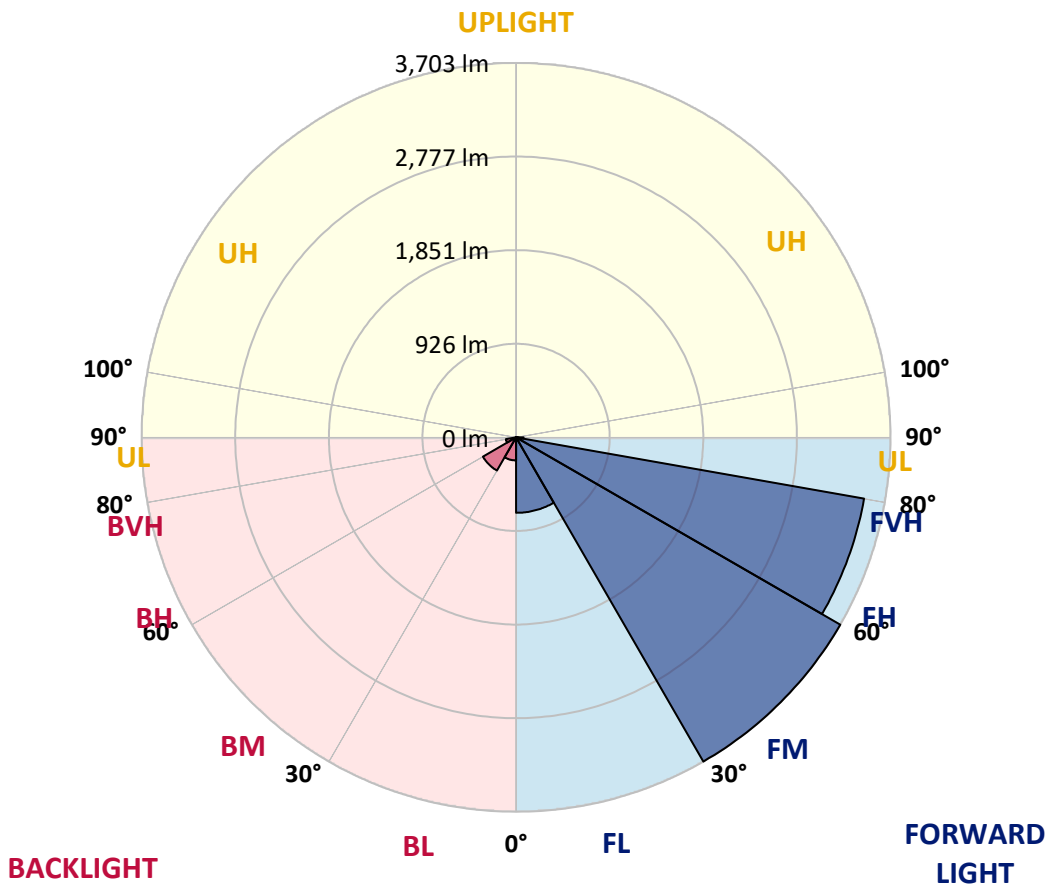


REPORT NUMBER: P635012
 CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.4	8.5			
FM (30°-60°)	3702.8	42.4			
FH (60°-80°)	3494.3	40.0			G2/5000
FVH (80°-90°)	73.7	0.8			G1/100
BL (0°-30°)	228.0	2.6	B1/500		
BM (30°-60°)	379.0	4.3	B1/1000		
BH (60°-80°)	101.8	1.2	B0/110		G0/110
BVH (80°-90°)	5.2	0.1			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 IV Short





REPORT NUMBER: P635012

CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6
2.5°	1592.8	1598.3	1597.5	1599.9	1594.4	1585.6	1584.0	1572.1	1550.7	1523.7	1493.5
5°	1625.4	1631.7	1626.9	1624.6	1614.2	1604.7	1602.3	1589.6	1565.0	1528.4	1476.0
7.5°	1653.2	1654.7	1651.6	1646.0	1630.9	1618.2	1609.5	1592.0	1562.6	1526.0	1465.7
10°	1657.9	1657.1	1658.7	1659.5	1650.0	1638.9	1631.7	1607.9	1570.5	1531.6	1466.5
12.5°	1652.4	1652.4	1662.7	1674.6	1674.6	1669.0	1661.9	1640.4	1596.8	1550.7	1482.4
15°	1659.5	1661.9	1681.8	1704.0	1711.1	1705.6	1702.4	1680.2	1634.9	1584.0	1511.0
17.5°	1684.9	1687.3	1719.1	1752.5	1761.2	1754.8	1748.5	1726.2	1677.8	1622.2	1543.5
20°	1722.3	1728.6	1769.1	1812.0	1820.0	1812.0	1799.3	1768.3	1719.9	1663.5	1574.5
22.5°	1790.6	1794.6	1838.3	1883.5	1887.5	1874.8	1855.7	1812.8	1762.0	1707.2	1609.5
25°	1881.1	1886.7	1930.4	1974.1	1963.8	1944.7	1918.5	1870.0	1812.0	1758.8	1653.9
27.5°	1989.2	1995.5	2038.4	2076.6	2049.6	2027.3	1997.9	1937.6	1878.8	1830.3	1711.1
30°	2106.0	2111.5	2149.7	2183.8	2148.1	2121.9	2086.9	2024.9	1965.4	1928.8	1792.2
32.5°	2218.8	2218.0	2254.5	2282.3	2245.8	2225.1	2193.3	2130.6	2082.9	2067.0	1912.9
35°	2323.6	2323.6	2353.8	2381.6	2355.4	2344.3	2314.9	2264.8	2237.8	2256.9	2074.2
37.5°	2429.3	2423.7	2452.3	2483.3	2480.9	2481.7	2465.0	2441.2	2442.8	2510.3	2295.8
40°	2516.7	2514.3	2547.7	2588.2	2619.9	2645.4	2635.0	2643.8	2693.8	2820.1	2579.4
42.5°	2586.6	2592.1	2635.0	2699.4	2779.6	2831.3	2838.4	2874.2	3002.8	3198.3	2899.6
45°	2666.8	2667.6	2727.2	2825.7	2953.6	3035.4	3064.0	3156.2	3338.9	3590.7	3250.7
47.5°	2765.3	2755.8	2822.5	2960.7	3145.8	3266.6	3317.4	3432.6	3715.4	3973.6	3536.7
50°	2874.2	2856.7	2932.1	3120.4	3361.1	3512.1	3615.3	3783.7	4088.8	4288.2	3749.6
52.5°	3000.5	2983.8	3069.6	3303.9	3619.3	3802.8	3935.5	4105.5	4408.9	4528.1	3876.7
55°	3160.9	3144.3	3234.8	3524.0	3924.4	4162.7	4301.7	4444.7	4706.8	4705.3	3968.8
57.5°	3338.9	3315.8	3441.4	3802.0	4304.9	4552.7	4694.1	4764.0	4933.2	4842.7	4030.8
60°	3543.0	3522.4	3696.4	4133.3	4744.2	4973.8	5062.7	5034.1	5119.1	4923.7	4009.4
62.5°	3727.3	3717.8	3933.9	4484.4	5162.8	5356.7	5381.3	5256.6	5255.8	4925.3	3864.8
65°	3918.8	3937.1	4258.0	4888.8	5583.9	5714.1	5672.0	5477.4	5310.6	4730.7	3437.4
67.5°	3990.3	4043.5	4471.7	5254.2	5915.9	6017.6	5943.7	5587.8	5082.6	4076.1	2617.6
70°	3548.6	3648.7	4269.9	5274.8	6053.4	6150.3	5973.1	5290.7	4237.3	2700.2	1433.9
72.5°	2698.6	2815.4	3558.1	4319.2	5444.0	5664.9	5362.2	4310.4	2731.2	1182.9	481.4
75°	1510.2	1636.5	2650.1	3252.3	3655.1	3856.8	3745.6	2765.3	1209.9	309.0	143.8
77.5°	510.8	552.9	1232.9	2012.2	2412.6	2231.5	1889.1	1373.5	444.9	117.6	76.3
80°	302.7	318.6	459.2	1001.7	1269.5	1052.6	830.9	507.6	226.4	62.8	53.2
82.5°	90.6	107.2	253.4	371.8	497.3	309.8	262.2	290.0	117.6	34.2	44.5
85°	0.0	0.0	54.0	115.2	130.3	50.8	50.8	164.4	21.4	14.3	32.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	2.4	3.2	7.1
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: P635012

CATALOG NUMBER: GWS-SA3C-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6	1481.6
2.5°	1472.0	1444.2	1411.7	1380.7	1351.3	1313.1	1294.9	1272.6	1253.6	1243.2	1248.8
5°	1442.6	1398.9	1332.2	1264.7	1196.4	1132.0	1074.0	1035.1	1000.2	981.9	985.9
7.5°	1417.2	1358.4	1254.4	1143.9	1034.3	923.9	834.1	764.2	710.2	688.0	684.0
10°	1406.1	1332.2	1185.3	1026.4	858.0	709.4	582.3	505.2	450.4	423.4	428.2
12.5°	1411.7	1318.7	1126.5	911.2	692.7	519.5	398.0	325.7	286.8	270.9	266.9
15°	1427.5	1315.5	1074.0	793.6	534.6	363.0	274.9	245.5	237.5	235.9	235.9
17.5°	1445.8	1316.3	1020.0	674.4	405.9	269.3	235.1	229.6	227.2	225.6	226.4
20°	1464.1	1316.3	958.1	553.7	305.1	232.8	224.0	220.0	217.7	216.9	216.9
22.5°	1486.3	1316.3	888.9	441.7	244.7	220.8	213.7	211.3	208.9	208.1	207.3
25°	1513.3	1317.1	812.7	345.6	222.4	210.5	205.0	202.6	200.2	198.6	198.6
27.5°	1552.3	1323.5	728.5	269.3	209.7	201.0	196.2	193.8	191.5	189.1	189.1
30°	1608.7	1339.4	633.9	222.4	197.8	190.7	185.9	184.3	181.9	179.5	178.7
32.5°	1692.9	1367.2	536.2	199.4	186.7	179.5	174.0	172.4	170.0	167.6	166.8
35°	1810.4	1418.0	440.9	185.1	172.4	165.2	162.1	161.3	158.1	155.7	155.7
37.5°	1982.8	1500.6	349.5	170.8	160.5	154.9	150.9	149.3	146.2	143.8	143.0
40°	2193.3	1607.9	271.7	159.7	149.3	143.8	139.8	137.4	133.5	130.3	128.7
42.5°	2461.9	1738.9	214.5	147.8	139.0	133.5	130.3	125.5	120.0	115.2	114.4
45°	2741.5	1874.0	177.2	136.6	129.5	124.7	120.7	114.4	106.5	100.9	99.3
47.5°	2956.0	1958.2	154.9	124.7	119.2	115.2	110.4	102.5	92.9	86.6	85.0
50°	3109.3	1970.9	138.2	113.6	110.4	106.5	99.3	89.8	79.4	73.1	71.5
52.5°	3184.8	1913.7	124.7	103.3	100.9	96.9	88.2	77.9	66.7	60.4	58.8
55°	3218.9	1805.7	112.0	94.5	91.4	86.6	77.1	65.9	54.8	49.3	47.7
57.5°	3205.4	1646.0	100.9	85.8	81.8	76.3	65.9	54.0	45.3	39.7	38.9
60°	3105.3	1422.0	89.8	77.1	72.3	65.9	55.6	44.5	36.5	32.6	31.8
62.5°	2889.2	1143.9	78.6	66.7	63.6	57.2	47.7	36.5	30.2	27.8	27.0
65°	2446.8	808.7	67.5	56.4	54.8	48.5	39.7	30.2	26.2	24.6	23.8
67.5°	1758.8	491.7	57.2	48.5	46.9	41.3	33.4	26.2	23.8	23.0	23.0
70°	884.2	232.8	45.3	39.7	39.7	34.2	28.6	23.8	23.0	22.2	22.2
72.5°	300.3	99.3	34.2	31.0	32.6	29.4	24.6	22.2	22.2	22.2	22.2
75°	102.5	52.4	23.8	22.2	23.8	23.8	21.4	21.4	22.2	22.2	22.2
77.5°	66.7	35.0	16.7	15.1	18.3	18.3	18.3	19.9	21.4	21.4	21.4
80°	54.8	19.1	11.1	10.3	13.5	13.5	15.1	18.3	19.9	19.9	19.9
82.5°	46.9	11.9	6.4	7.1	9.5	10.3	12.7	15.1	17.5	18.3	18.3
85°	31.8	6.4	4.8	5.6	6.4	7.9	10.3	12.7	14.3	15.9	15.9
87.5°	8.7	2.4	3.2	4.0	4.0	5.6	7.9	9.5	11.1	11.9	11.9
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)