

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: P630587

Luminaire Tested: GWS-SA1D-830-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-830-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4775.7 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

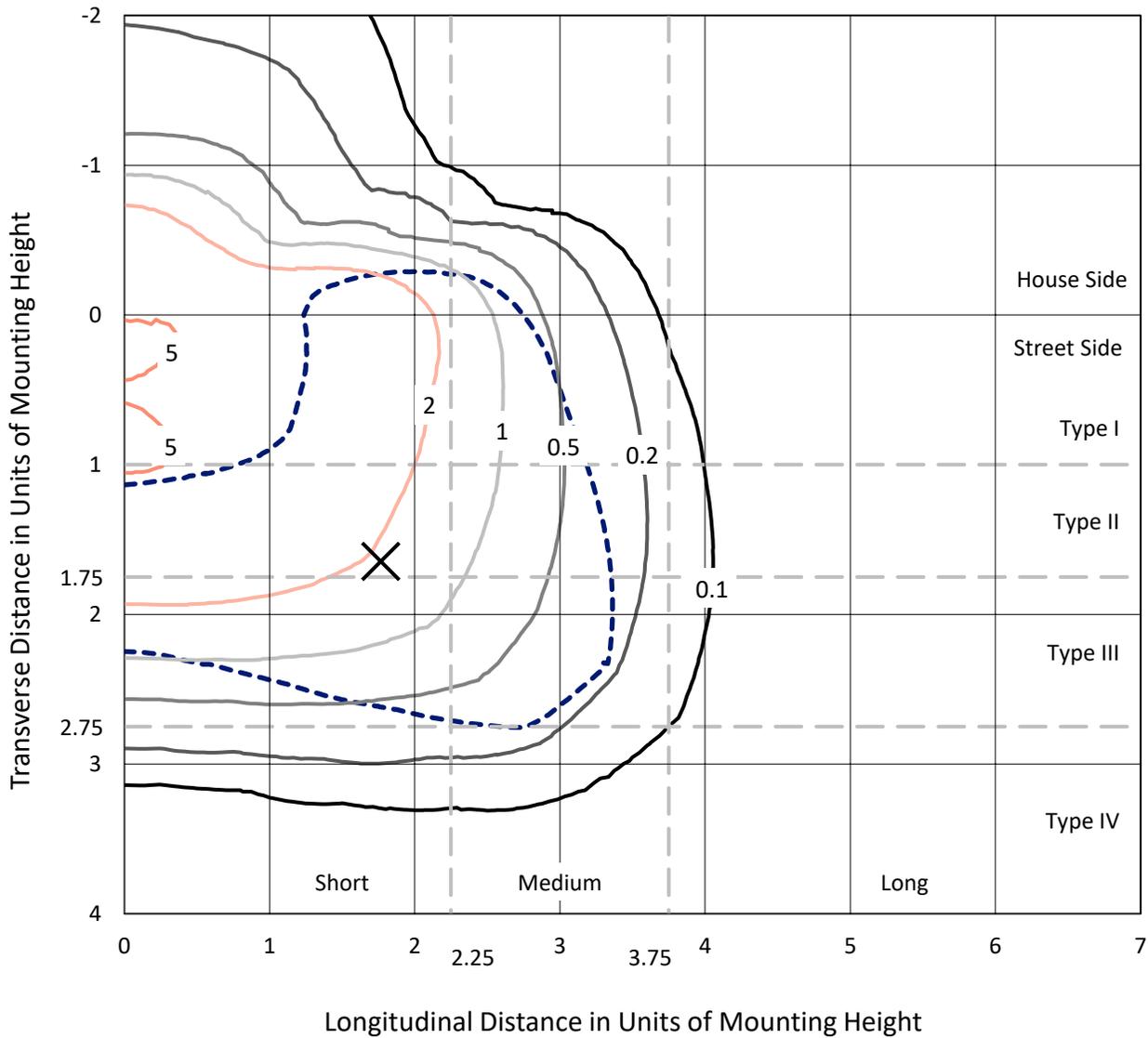
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630587
 CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

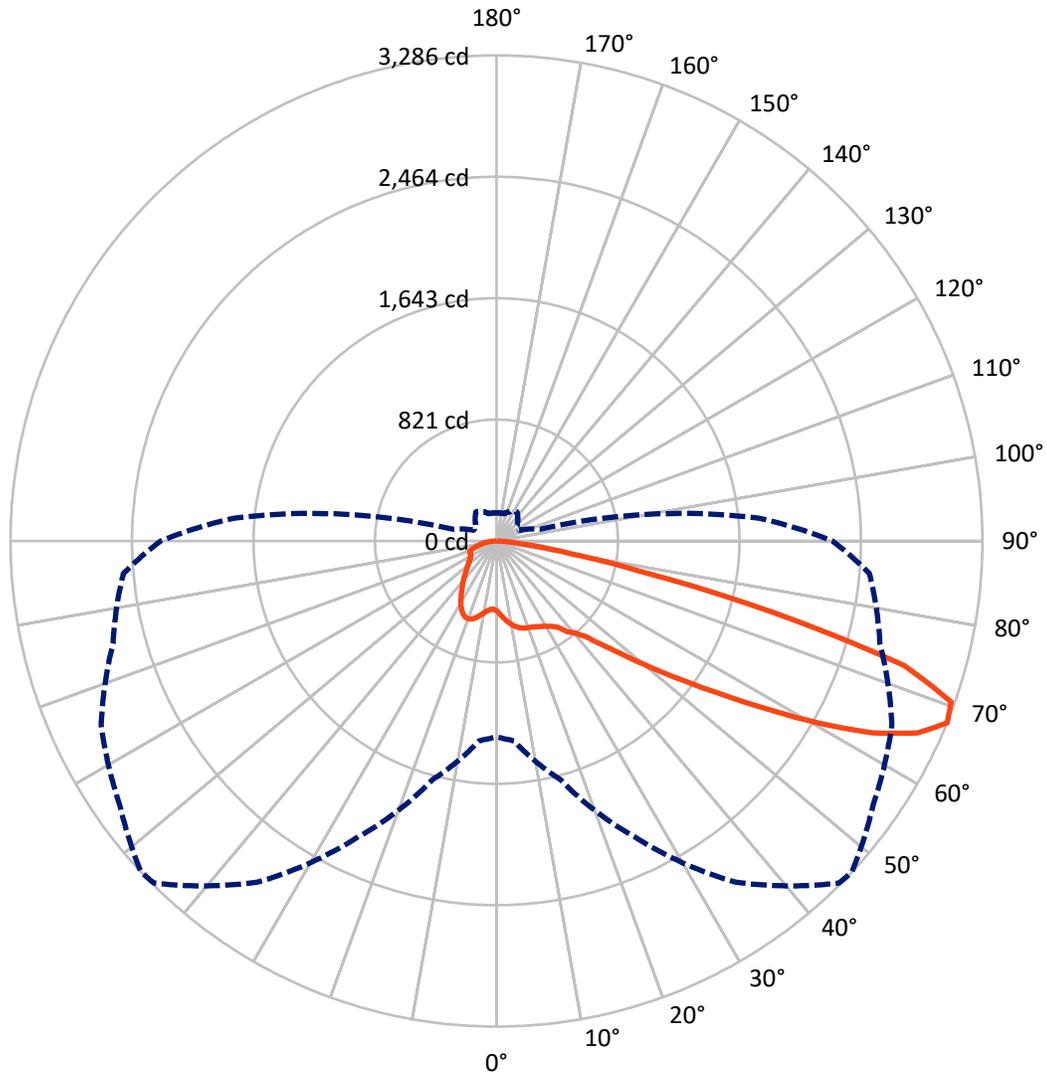
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

REPORT NUMBER: P630587
CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630587

CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

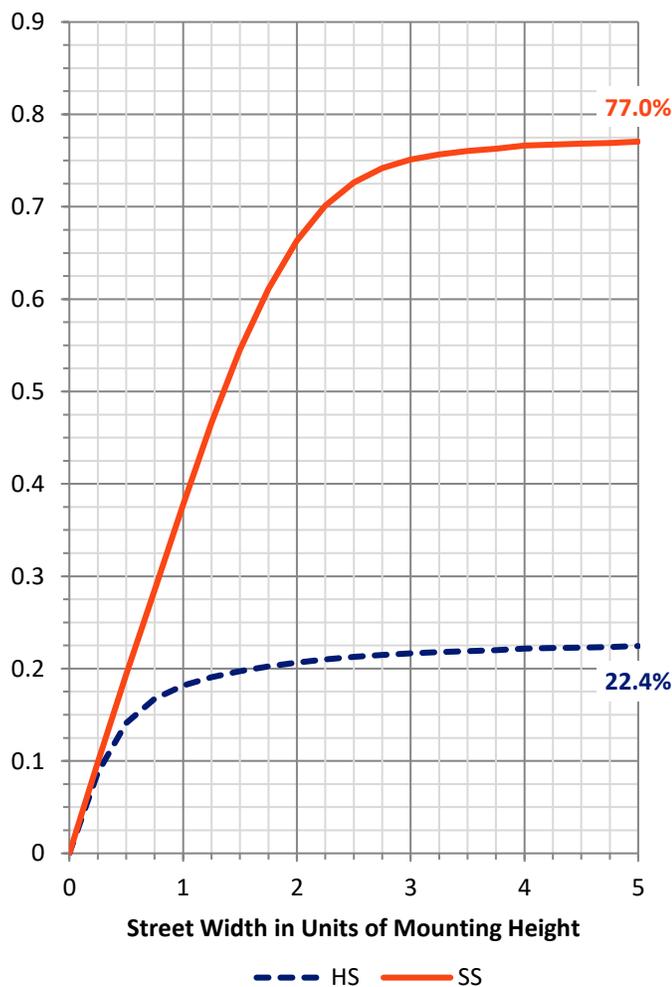
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1088.4	0.0	1088.4
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	3687.3	0.0	3687.3
	% Fixture	77.2	0.0	77.2
Total	Lumens	4775.7	0.0	4775.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.0
10°-20°	161.2	3.4
20°-30°	274.0	5.7
30°-40°	401.4	8.4
40°-50°	611.5	12.8
50°-60°	1094.2	22.9
60°-70°	1460.1	30.6
70°-80°	660.3	13.8
80°-90°	64.7	1.4
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°	4775.7	100.0
0°-180°	4775.7	100.0

Coefficient of Utilization



REPORT NUMBER: P630587

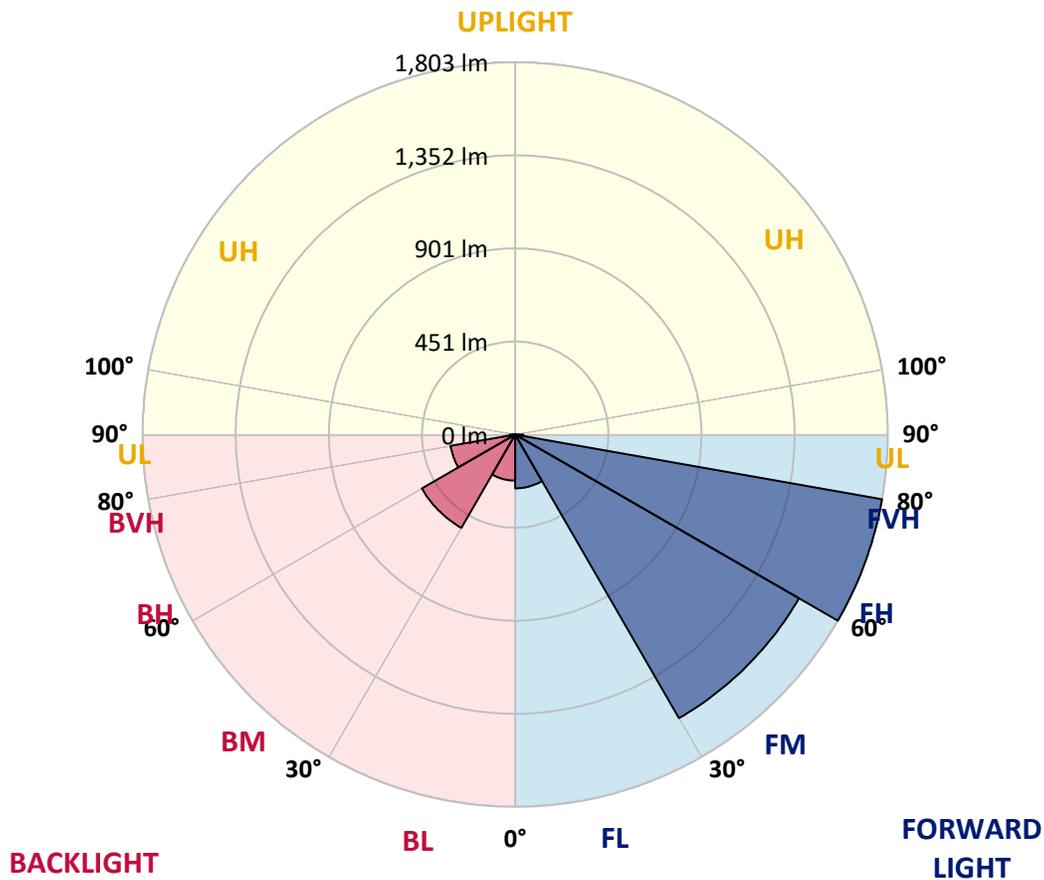
CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.5	5.5			
FM (30°-60°)	1585.6	33.2			
FH (60°-80°)	1802.8	37.7			G2/5000
FVH (80°-90°)	38.5	0.8			G1/100
BL (0°-30°)	223.1	4.7	B1/500		
BM (30°-60°)	521.5	10.9	B1/1000		
BH (60°-80°)	317.6	6.6	B1/500		G1/500
BVH (80°-90°)	26.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P630587
 CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4
2.5°	504.8	506.6	506.2	503.5	501.7	498.6	499.0	494.1	486.9	482.1	476.5
5°	549.4	552.2	548.7	544.2	537.3	527.3	526.3	515.2	501.4	491.7	481.7
7.5°	588.1	589.8	585.6	578.1	568.0	554.6	552.2	539.0	521.8	506.6	492.1
10°	618.1	620.2	614.7	604.6	591.5	578.1	576.3	562.9	544.6	526.6	508.3
12.5°	643.7	644.4	638.5	625.0	610.9	597.0	595.3	582.9	566.0	547.7	527.6
15°	658.5	658.9	651.6	636.8	623.3	611.2	610.2	599.5	583.9	566.7	545.2
17.5°	657.5	658.2	653.0	639.9	628.1	620.9	619.8	612.9	600.8	585.3	563.9
20°	644.7	645.4	641.9	633.3	627.1	625.0	625.4	623.3	616.0	603.3	581.5
22.5°	634.7	635.7	632.6	626.4	625.7	630.5	631.6	632.6	629.2	617.8	596.7
25°	639.5	641.2	636.4	627.8	629.2	639.9	641.9	645.4	642.6	633.0	614.7
27.5°	673.0	674.0	661.6	644.0	639.9	651.3	654.4	659.9	657.8	648.8	634.7
30°	750.7	750.0	723.4	680.3	663.0	667.5	669.9	677.8	678.5	672.7	659.2
32.5°	860.2	856.7	815.6	746.9	696.8	685.8	688.6	699.3	707.2	701.0	682.7
35°	975.9	972.7	927.5	847.1	759.3	721.0	717.9	726.2	738.3	721.0	694.8
37.5°	1086.0	1081.2	1034.9	935.5	836.3	782.8	778.3	770.0	762.8	729.6	709.6
40°	1208.2	1202.7	1162.3	1049.7	921.3	830.1	818.7	785.9	779.4	758.3	748.3
42.5°	1338.8	1338.8	1305.3	1194.4	1023.9	897.8	883.0	833.6	840.5	826.7	814.9
45°	1469.3	1473.1	1446.5	1340.2	1160.9	1025.6	1001.8	931.7	948.2	942.0	936.1
47.5°	1580.5	1587.7	1582.6	1489.0	1328.8	1181.0	1144.7	1071.8	1107.4	1122.3	1138.8
50°	1700.3	1708.3	1703.1	1666.1	1525.2	1369.2	1336.7	1261.4	1322.5	1367.1	1421.3
52.5°	1878.2	1889.5	1846.4	1832.2	1763.9	1582.9	1553.9	1468.3	1579.1	1653.0	1773.9
55°	2028.4	2028.0	2012.8	2045.3	2020.1	1844.3	1812.2	1734.5	1876.1	1954.5	2131.3
57.5°	2098.1	2106.4	2158.5	2250.4	2300.8	2163.7	2133.0	2053.6	2194.8	2235.6	2426.5
60°	2134.0	2144.4	2245.2	2426.9	2562.6	2512.5	2500.4	2399.2	2478.7	2473.8	2675.5
62.5°	2083.6	2104.3	2266.3	2507.7	2749.4	2863.0	2859.2	2706.2	2720.0	2672.7	2829.8
65°	1852.3	1874.7	2128.8	2467.3	2856.1	3129.6	3130.6	2984.2	2905.5	2769.4	2803.9
67.5°	1324.6	1356.7	1671.0	2207.6	2818.4	3273.6	3285.6	3110.2	2949.0	2683.8	2531.8
70°	722.0	745.5	991.7	1604.7	2479.3	3239.0	3261.5	3049.5	2757.0	2321.5	1948.9
72.5°	328.0	335.6	461.3	880.5	1693.8	2788.1	2882.0	2721.4	2264.2	1714.8	1239.3
75°	150.2	153.7	201.0	421.3	885.0	1865.7	1931.7	2027.0	1575.7	1082.9	646.1
77.5°	94.3	95.3	114.3	192.7	441.3	931.3	1000.7	1206.9	922.7	535.9	270.0
80°	55.6	56.6	71.1	104.3	207.2	426.1	492.1	477.2	433.7	231.4	122.9
82.5°	28.0	29.0	41.1	59.4	112.9	169.5	199.6	200.6	161.6	125.3	69.4
85°	10.0	10.4	13.5	23.5	48.0	55.9	62.5	76.3	79.1	72.9	33.5
87.5°	0.0	0.0	0.3	0.7	1.4	5.5	5.9	11.0	23.1	25.9	13.5
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: P630587
 CATALOG NUMBER: GWS-SA1D-830-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4	473.4
2.5°	474.8	469.6	467.9	466.2	463.4	462.4	460.3	458.2	458.2	456.2	455.1
5°	477.2	470.3	465.8	463.8	462.0	463.1	463.1	463.8	466.2	464.8	465.5
7.5°	485.9	477.9	471.7	470.0	470.0	474.1	476.9	480.3	484.8	485.5	485.5
10°	501.0	491.7	485.2	484.1	485.9	491.7	495.9	500.0	505.5	505.9	506.6
12.5°	517.6	508.3	501.7	503.1	504.8	512.4	516.9	520.4	525.9	525.9	525.6
15°	534.9	524.5	519.0	521.8	526.9	535.6	536.3	536.6	539.4	538.7	538.3
17.5°	552.8	541.8	537.7	541.8	547.3	551.5	548.0	543.2	542.1	540.8	540.1
20°	570.5	559.1	557.3	560.4	562.2	558.7	548.0	539.0	534.9	532.8	532.1
22.5°	585.6	576.0	574.9	574.9	566.3	554.2	538.3	526.3	520.7	518.0	517.3
25°	603.6	594.6	592.9	583.6	561.5	539.4	518.0	506.9	502.4	501.0	501.4
27.5°	624.7	618.5	612.9	586.3	547.7	513.1	489.0	484.1	482.4	484.1	485.2
30°	650.6	644.4	631.9	582.9	525.6	478.9	455.8	455.5	460.6	465.1	465.8
32.5°	671.6	668.9	648.5	571.8	494.5	441.3	421.6	423.0	432.3	438.5	439.6
35°	688.2	692.7	662.3	553.5	457.5	405.7	390.2	390.9	396.1	404.7	405.1
37.5°	711.7	726.9	674.7	525.6	415.1	375.0	360.9	355.7	355.0	357.4	358.1
40°	759.0	781.8	683.7	484.8	374.0	347.4	331.5	321.5	312.9	306.3	304.2
42.5°	830.5	856.7	688.9	435.4	337.4	320.1	302.1	289.4	274.2	260.4	255.5
45°	961.7	970.3	688.9	383.0	304.9	294.6	276.6	261.4	242.1	225.8	222.4
47.5°	1171.6	1144.0	689.6	332.2	276.2	272.1	256.6	239.3	217.9	204.4	202.4
50°	1488.0	1390.9	703.7	290.1	252.4	253.1	241.7	222.7	203.4	193.4	191.6
52.5°	1846.4	1695.1	741.7	259.0	232.4	237.6	231.4	213.1	195.8	187.2	185.4
55°	2183.4	1974.8	774.2	236.9	215.5	224.5	224.1	207.2	191.6	183.0	182.0
57.5°	2470.0	2166.5	769.4	218.9	201.0	212.4	217.5	203.4	188.9	181.6	180.6
60°	2648.2	2268.0	700.6	202.4	189.9	203.7	213.7	202.4	190.3	188.5	188.9
62.5°	2725.5	2249.4	568.7	189.9	182.7	199.6	217.9	209.6	203.0	207.2	209.6
65°	2605.4	2089.1	418.5	180.6	175.8	200.6	227.6	221.0	203.0	205.8	206.8
67.5°	2271.8	1778.4	302.5	171.3	167.1	203.7	241.4	219.3	191.3	191.3	189.2
70°	1637.1	1279.0	219.6	162.0	158.5	199.2	242.1	207.5	177.8	176.8	171.6
72.5°	985.2	754.5	171.3	151.6	145.4	176.8	226.9	193.7	164.7	156.1	149.9
75°	511.8	378.1	143.6	140.2	124.7	149.9	207.5	172.3	140.9	133.3	129.8
77.5°	219.3	176.8	123.3	125.0	103.6	126.0	167.5	149.2	125.0	115.3	112.2
80°	108.1	100.5	97.4	100.1	82.9	97.4	144.3	130.5	106.0	95.0	90.5
82.5°	61.8	58.7	70.1	71.1	59.0	81.5	121.9	110.5	87.7	75.6	68.4
85°	28.7	30.7	42.5	42.8	36.6	55.9	79.8	62.2	46.6	38.7	36.9
87.5°	11.4	13.5	18.6	18.3	10.7	10.4	6.9	3.8	3.1	2.8	2.4
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)