

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: P629919

Luminaire Tested: GWS-SA1C-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4920.1 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

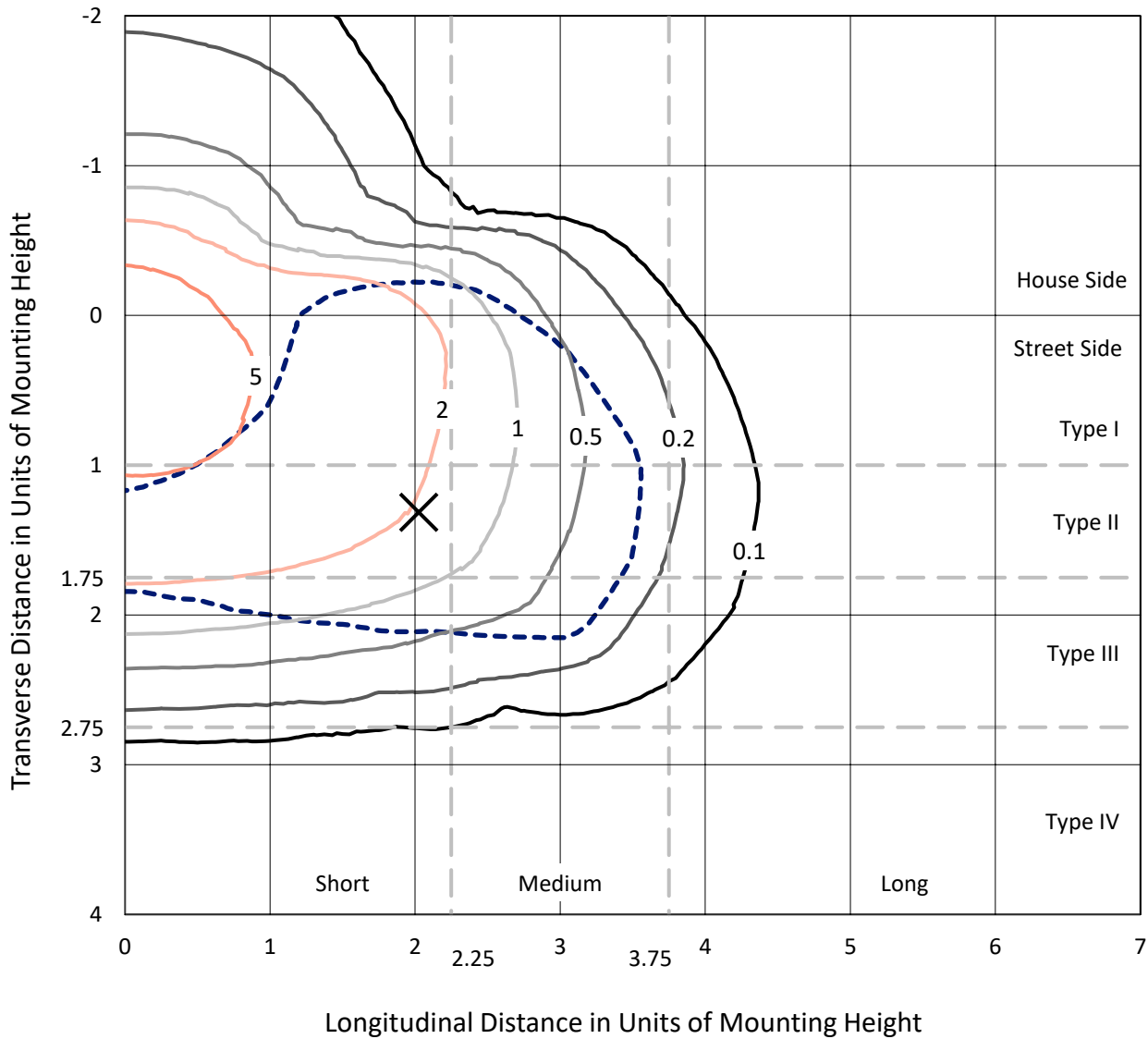
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629919
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

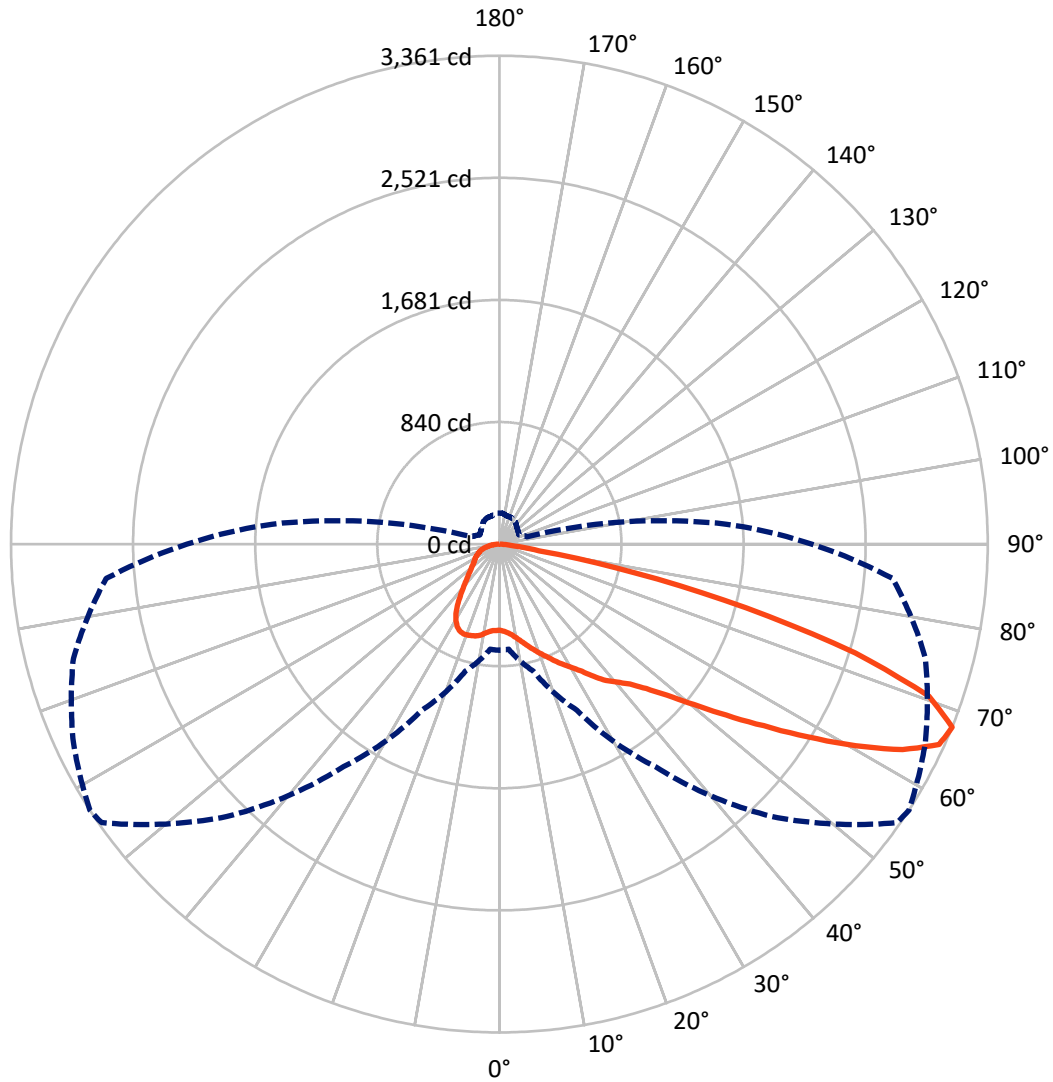
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

REPORT NUMBER: P629919
CATALOG NUMBER: GWS-SA1C-750-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629919

CATALOG NUMBER: GWS-SA1C-750-U-T3-W

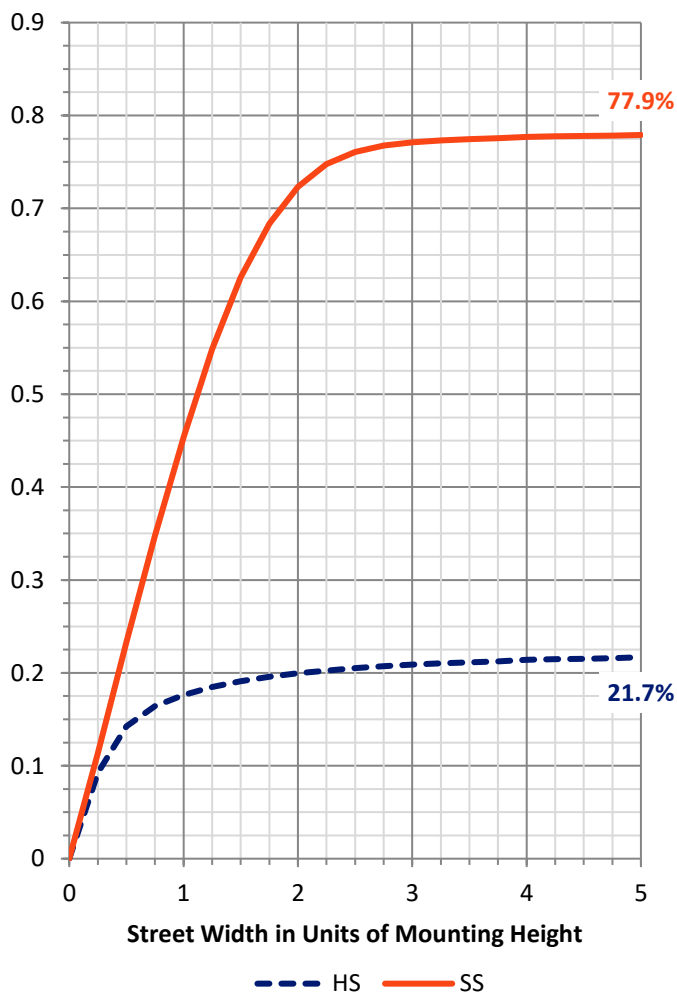
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.7	0.0	1081.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3838.4	0.0	3838.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	4920.1	0.0	4920.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	1.2
10°-20°	194.6	4.0
20°-30°	347.0	7.1
30°-40°	504.5	10.3
40°-50°	730.2	14.8
50°-60°	1142.8	23.2
60°-70°	1333.1	27.1
70°-80°	556.5	11.3
80°-90°	52.5	1.1
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°	4920.1	100.0
0°-180°	4920.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629919

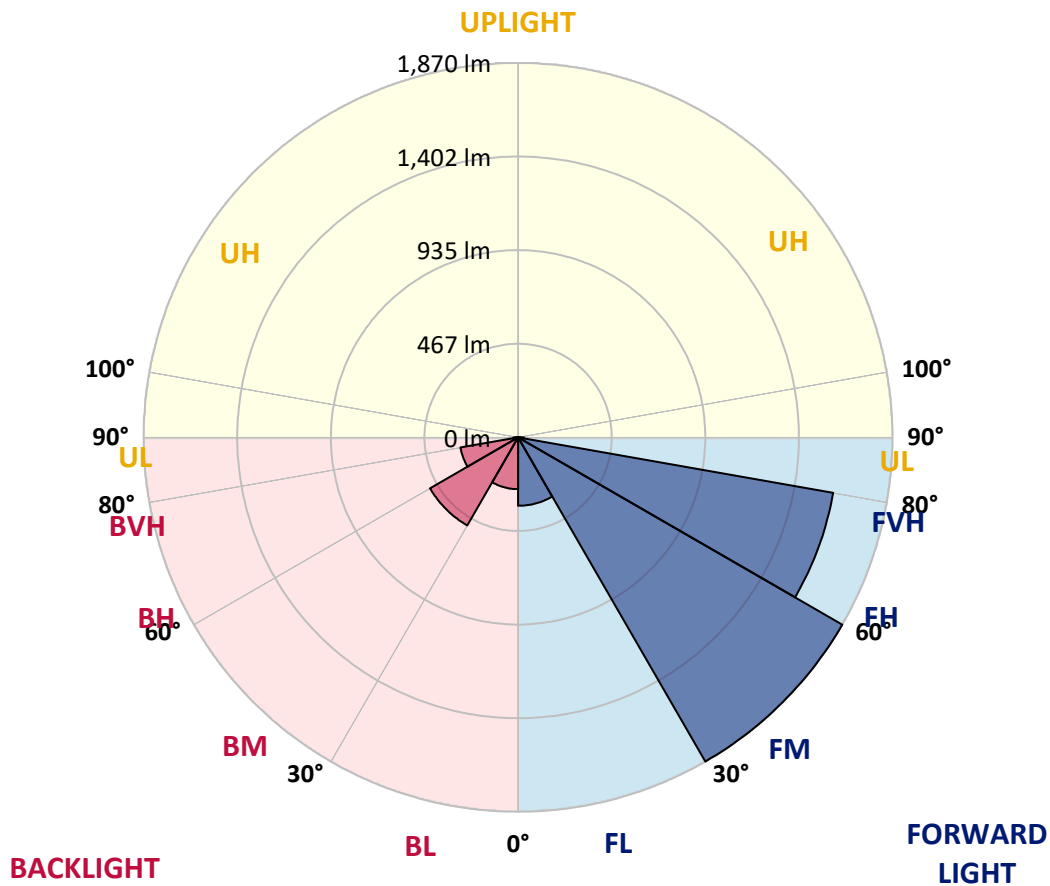
CATALOG NUMBER: GWS-SA1C-750-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.7	6.9			
FM (30°-60°)	1869.7	38.0			
FH (60°-80°)	1597.6	32.5			G1/1800
FVH (80°-90°)	29.3	0.6			G1/100
BL (0°-30°)	258.7	5.3	B1/500		
BM (30°-60°)	507.8	10.3	B1/1000		
BH (60°-80°)	292.0	5.9	B1/500		G1/500
BVH (80°-90°)	23.3	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-G1

Type III Short





REPORT NUMBER: P629919
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8
2.5°	601.3	600.6	600.2	602.4	601.7	601.3	601.3	600.9	600.2	597.4	593.5
5°	617.9	616.5	615.0	616.8	615.4	614.0	613.6	612.9	610.5	606.2	600.2
7.5°	635.1	633.7	634.1	635.1	634.1	633.4	632.3	631.6	627.7	621.0	612.9
10°	659.5	659.5	660.2	661.2	661.6	660.5	658.4	657.3	652.8	644.3	633.0
12.5°	694.7	694.0	694.0	693.3	694.3	693.3	691.2	689.4	683.8	672.8	656.6
15°	741.2	738.4	735.9	731.4	729.9	726.1	726.8	725.7	720.4	705.6	685.2
17.5°	790.9	790.6	786.7	777.5	768.4	762.0	763.4	763.1	760.3	740.2	714.1
20°	834.6	836.4	832.9	825.8	813.5	801.5	800.8	802.6	799.0	778.9	742.6
22.5°	883.6	882.2	878.7	869.5	860.4	847.7	843.4	842.0	840.6	817.7	771.9
25°	930.1	934.4	929.8	921.3	907.2	893.5	890.0	891.4	887.5	857.2	803.3
27.5°	989.0	990.8	987.9	976.3	964.3	944.9	938.2	938.2	936.8	894.2	827.9
30°	1051.7	1056.7	1051.7	1042.2	1029.9	1002.0	987.6	986.2	982.0	932.3	856.8
32.5°	1114.8	1118.4	1114.8	1105.7	1091.6	1067.3	1046.5	1043.3	1037.6	973.8	886.4
35°	1170.9	1174.0	1173.3	1175.5	1163.8	1133.2	1120.5	1119.1	1104.3	1028.1	926.6
37.5°	1232.2	1236.1	1230.8	1235.0	1230.4	1201.5	1197.7	1190.6	1169.5	1079.2	968.9
40°	1302.0	1305.5	1297.1	1298.8	1293.5	1277.3	1257.6	1248.1	1216.7	1134.6	1035.5
42.5°	1376.7	1384.8	1388.7	1385.5	1373.2	1364.0	1329.5	1317.5	1291.4	1234.3	1145.1
45°	1484.9	1496.9	1502.5	1494.4	1489.1	1476.1	1433.8	1419.4	1405.6	1374.9	1298.1
47.5°	1601.6	1612.5	1630.5	1634.0	1638.2	1628.4	1568.8	1554.7	1557.2	1553.6	1486.3
50°	1694.6	1703.8	1744.3	1787.7	1823.6	1826.5	1750.3	1735.2	1748.6	1759.8	1713.0
52.5°	1762.3	1770.4	1824.0	1913.5	1994.9	2055.2	1973.1	1955.8	1966.7	1992.1	1970.6
55°	1817.3	1828.6	1884.6	2022.1	2186.7	2281.8	2229.3	2207.5	2202.9	2234.2	2246.6
57.5°	1846.2	1849.7	1928.3	2107.0	2327.3	2504.2	2527.1	2502.5	2458.8	2476.0	2540.2
60°	1780.3	1786.3	1893.8	2128.9	2438.3	2724.9	2839.8	2819.3	2726.3	2735.8	2806.6
62.5°	1598.1	1606.5	1735.9	2024.9	2447.5	2872.2	3128.4	3115.4	2990.6	2939.2	2960.3
65°	1281.9	1284.7	1418.7	1767.6	2265.3	2890.5	3329.7	3326.5	3175.3	3054.8	2964.2
67.5°	731.0	726.1	905.1	1260.8	1869.5	2652.3	3342.7	3361.4	3235.2	3035.7	2717.5
70°	316.9	317.6	400.0	622.1	1210.0	2143.7	3104.8	3136.9	3061.8	2718.9	2162.0
72.5°	146.6	148.7	184.3	269.3	516.7	1329.8	2531.7	2560.6	2496.1	2176.1	1573.0
75°	103.6	105.4	123.0	154.4	237.6	518.1	1693.6	1754.2	1785.6	1627.7	1036.6
77.5°	78.6	81.1	89.9	107.1	146.6	183.6	810.3	954.8	1137.4	1012.6	534.0
80°	50.0	50.0	59.6	71.5	89.5	95.5	234.0	277.4	556.5	417.3	209.7
82.5°	33.8	34.9	40.5	45.5	51.5	54.3	100.5	107.1	160.7	142.0	86.4
85°	18.0	18.7	21.1	20.8	24.7	21.5	42.3	41.9	58.9	64.5	32.8
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	4.6	4.9	12.3	19.7	10.9
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: P629919
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8	592.8
2.5°	595.7	591.4	593.5	592.8	595.0	595.0	591.1	590.0	590.4	586.1	584.7
5°	600.9	596.0	597.1	595.7	597.8	599.5	597.8	597.8	599.9	596.7	595.0
7.5°	612.9	607.3	607.3	605.5	608.0	609.4	608.0	610.1	614.0	610.8	609.1
10°	632.0	625.3	625.6	623.5	624.6	623.9	618.2	616.5	617.5	614.7	613.3
12.5°	656.6	647.5	647.5	643.2	640.8	633.4	621.7	617.5	618.2	615.7	614.7
15°	680.2	671.8	670.0	661.6	650.3	636.5	626.0	623.2	623.9	621.4	619.6
17.5°	708.1	697.2	690.8	675.3	654.5	640.4	629.8	623.2	617.5	611.9	610.5
20°	733.8	720.1	708.4	684.5	659.1	639.7	620.0	603.4	589.7	582.3	580.5
22.5°	760.3	742.6	722.2	690.8	658.7	627.0	590.7	565.7	545.3	534.3	536.4
25°	785.3	763.1	735.2	696.8	647.5	598.8	549.5	512.1	488.9	480.4	477.9
27.5°	806.1	778.6	747.2	694.0	624.2	558.3	493.1	451.5	428.9	419.4	417.0
30°	829.3	798.3	764.5	681.0	587.6	501.6	429.3	395.5	379.2	370.1	370.4
32.5°	856.1	823.7	788.8	655.9	540.7	440.2	376.8	353.5	340.5	331.3	329.9
35°	892.1	860.0	805.0	618.2	481.1	383.8	340.8	321.8	305.6	293.6	291.1
37.5°	936.5	914.6	806.8	567.8	417.3	345.1	315.1	294.7	274.9	259.1	257.3
40°	1012.6	987.6	792.3	504.7	363.0	320.0	293.6	270.0	247.1	229.5	227.0
42.5°	1121.2	1069.7	761.3	433.5	322.1	300.3	273.2	243.2	219.9	207.6	205.8
45°	1259.3	1161.4	714.8	366.6	291.8	280.9	251.7	220.3	208.0	199.1	197.4
47.5°	1428.5	1268.2	661.2	314.4	268.2	263.3	229.8	212.5	201.6	194.2	192.4
50°	1630.8	1404.2	617.2	273.5	247.1	242.8	222.8	208.0	199.1	193.1	191.7
52.5°	1861.7	1555.4	595.7	244.3	228.7	224.5	220.3	206.9	199.5	194.9	193.1
55°	2101.4	1714.7	575.6	221.7	213.2	215.7	220.6	210.4	204.8	198.8	197.0
57.5°	2332.9	1864.2	526.2	204.1	202.0	211.5	222.4	213.9	207.2	201.3	199.1
60°	2492.6	1945.9	442.7	190.0	193.5	206.2	217.8	208.7	200.2	197.7	196.7
62.5°	2535.6	1936.1	343.6	175.5	183.3	194.6	205.8	199.8	191.0	194.9	195.3
65°	2435.1	1830.3	258.0	161.4	169.9	179.4	193.5	191.0	187.9	198.4	198.8
67.5°	2150.7	1570.6	196.7	149.1	156.1	167.8	189.6	199.8	200.6	213.9	212.5
70°	1627.3	1173.3	154.0	137.5	145.6	167.8	202.0	206.5	198.1	210.4	207.6
72.5°	1125.1	774.4	131.1	127.2	132.5	160.0	201.6	201.6	192.4	192.4	187.2
75°	698.9	455.4	114.2	114.2	114.2	139.9	196.0	185.7	169.5	162.1	157.9
77.5°	345.1	221.3	95.9	99.4	95.5	117.0	160.0	151.9	142.0	134.3	131.5
80°	147.3	110.7	77.5	81.4	76.8	88.1	126.9	125.1	115.6	105.4	102.2
82.5°	67.7	57.1	62.0	63.8	56.0	66.3	92.7	92.7	87.4	73.3	68.0
85°	28.9	30.3	43.0	43.0	35.2	37.4	49.7	47.2	42.3	34.5	31.7
87.5°	9.9	14.8	21.9	19.0	7.4	3.2	1.8	0.7	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)