

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: P631896

Luminaire Tested: GWS-SA2B-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4359.2 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

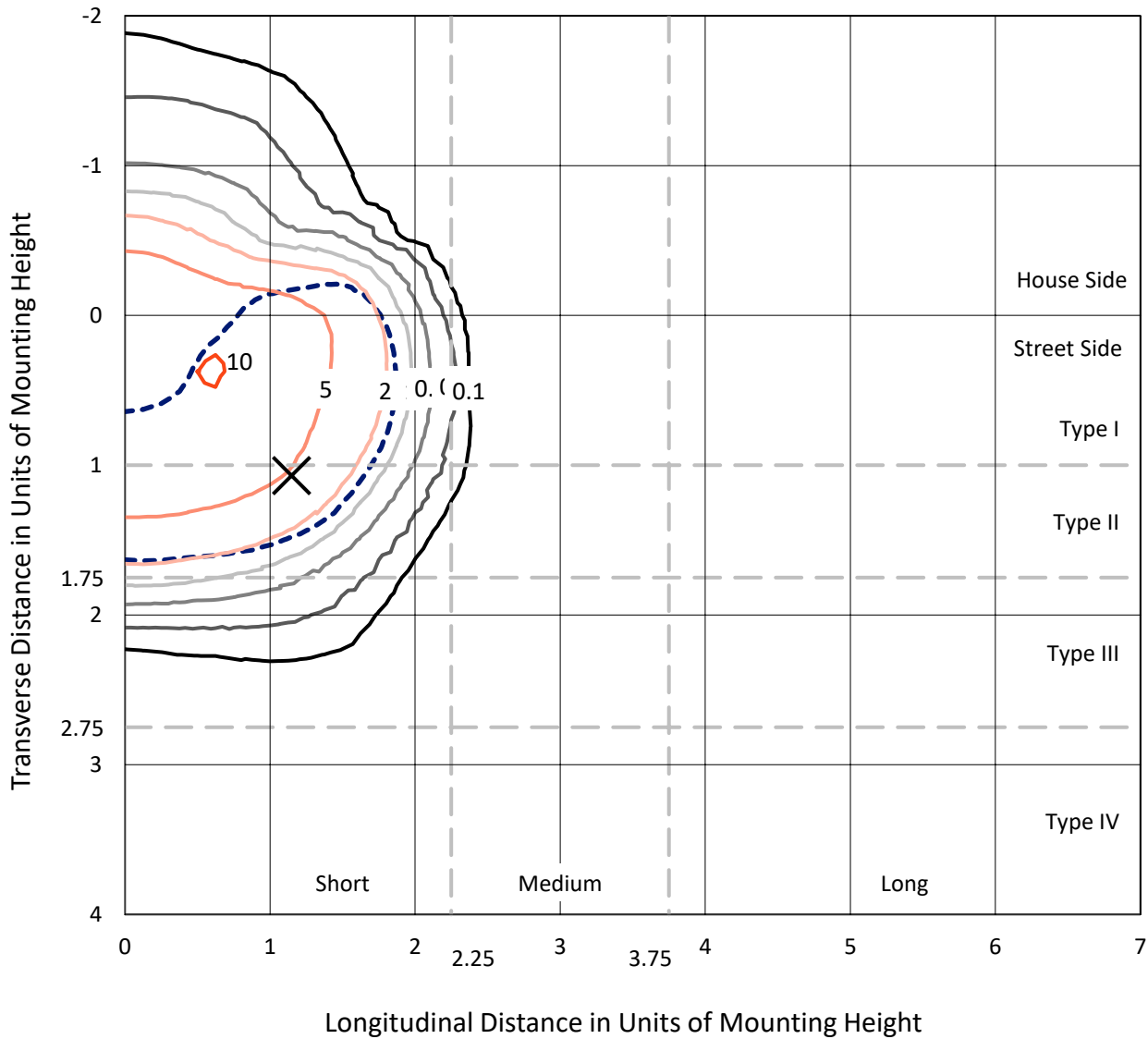
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

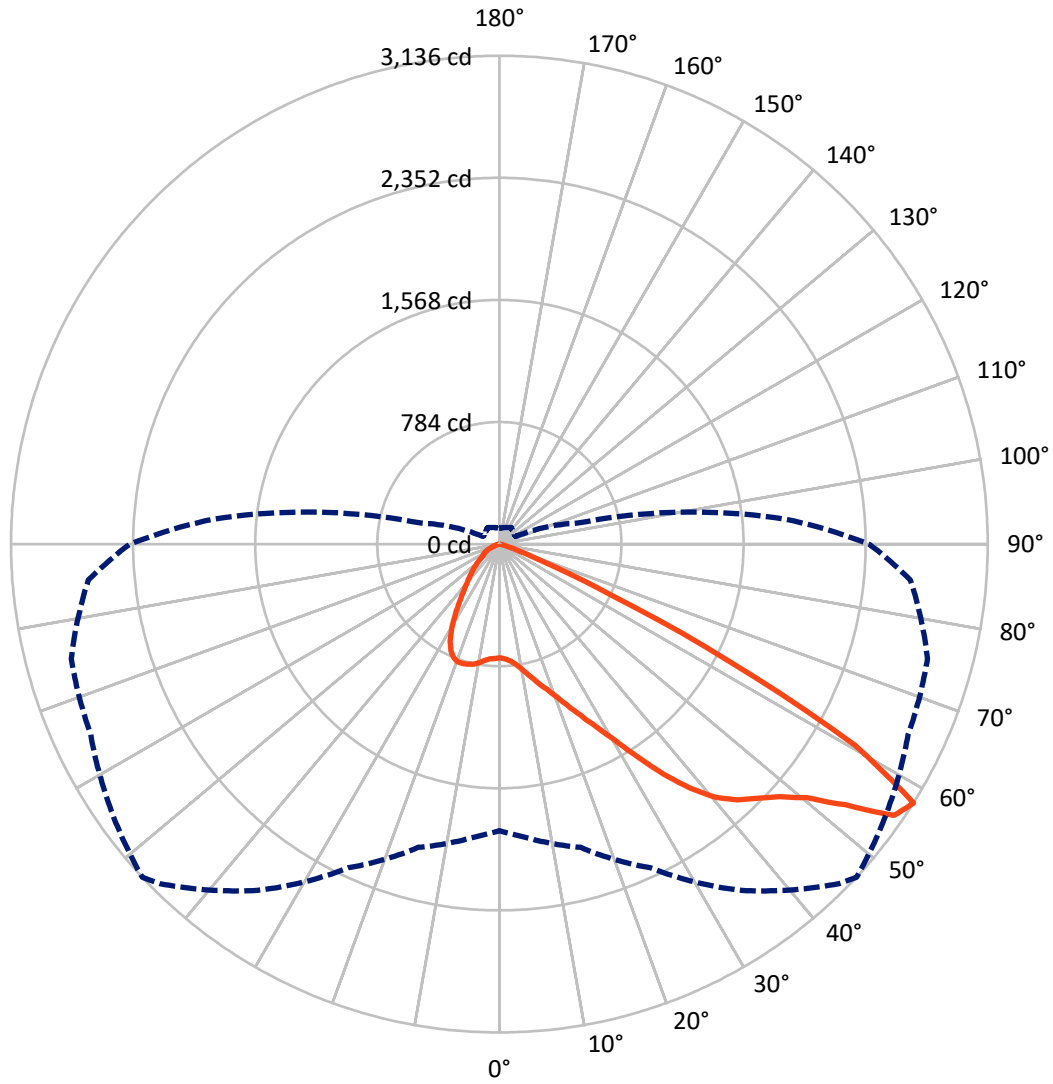
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

REPORT NUMBER: P631896
CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSBK

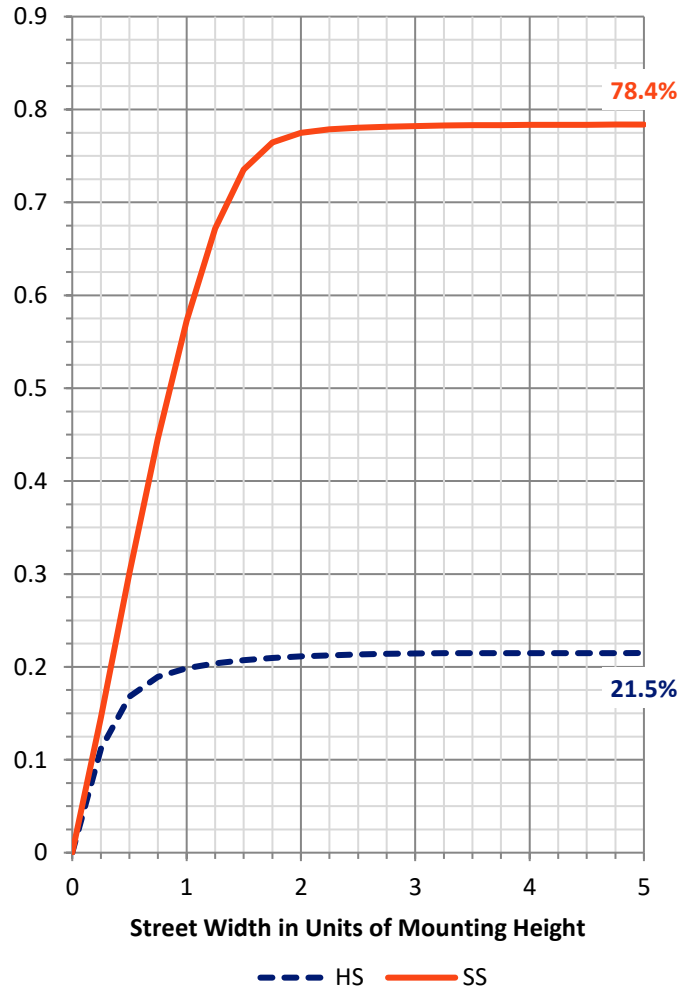
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.7	0.0	945.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3413.5	0.0	3413.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	4359.2	0.0	4359.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.7
10°-20°	245.0	5.6
20°-30°	454.9	10.4
30°-40°	728.1	16.7
40°-50°	1064.4	24.4
50°-60°	1313.6	30.1
60°-70°	438.9	10.1
70°-80°	40.9	0.9
80°-90°	0.8	0.0
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°	4359.2	100.0
0°-180°	4359.2	100.0

Coefficient of Utilization



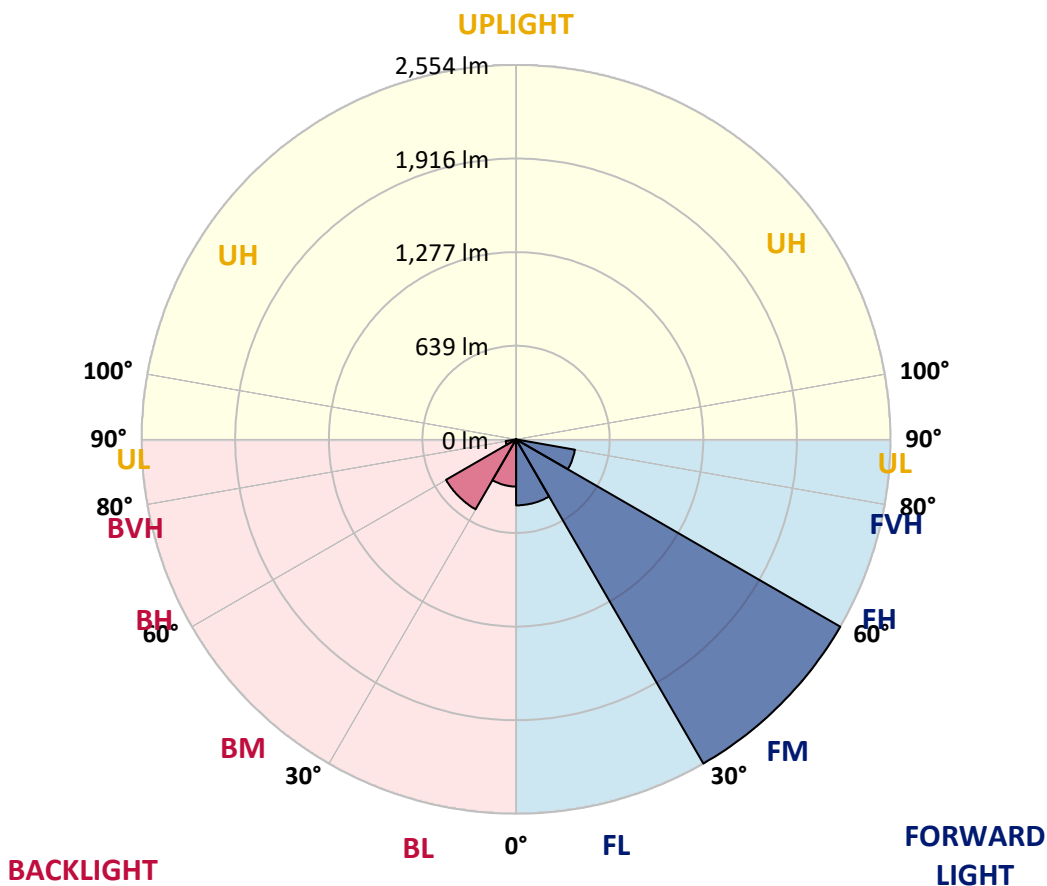
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CATALOG NUMBER: GWS-SA2B-750-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.5	10.3			
FM (30°-60°)	2554.5	58.6			
FH (60°-80°)	407.9	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	321.9	7.4	B1/500		
BM (30°-60°)	551.6	12.7	B1/1000		
BH (60°-80°)	71.9	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	737.3	736.8	736.3	739.3	738.3	737.8	738.8	738.8	738.8	735.8	729.7
5°	755.0	755.0	754.5	757.6	755.0	753.5	754.0	754.0	752.0	746.4	738.8
7.5°	782.9	781.9	780.8	783.9	781.4	780.8	781.9	778.8	775.3	766.2	755.5
10°	822.8	822.8	821.3	824.4	822.3	821.3	821.3	819.3	812.7	798.6	782.9
12.5°	878.0	875.5	871.9	869.4	868.4	867.9	868.4	865.4	858.3	840.1	818.3
15°	938.2	936.2	930.6	926.6	921.0	920.0	923.0	920.5	913.4	888.6	857.8
17.5°	1014.1	1016.7	1002.5	993.9	977.7	976.7	977.7	981.8	976.7	944.8	899.8
20°	1078.9	1080.9	1070.3	1064.2	1049.6	1043.0	1045.0	1051.6	1046.0	1008.6	945.8
22.5°	1148.2	1150.8	1139.6	1127.0	1120.4	1120.4	1128.0	1137.1	1129.5	1080.4	998.5
25°	1231.2	1233.3	1224.2	1207.5	1195.8	1210.5	1221.6	1245.9	1233.3	1166.5	1060.7
27.5°	1326.4	1326.9	1313.7	1296.5	1290.4	1317.8	1328.9	1366.4	1361.3	1263.1	1126.5
30°	1428.1	1428.6	1425.6	1413.9	1408.4	1444.3	1459.5	1513.6	1510.1	1383.1	1216.1
32.5°	1533.9	1533.9	1539.4	1538.4	1545.0	1603.7	1628.0	1689.7	1686.2	1529.8	1327.4
35°	1640.1	1640.6	1650.3	1674.5	1701.9	1779.8	1811.7	1886.6	1878.5	1705.4	1469.6
37.5°	1761.1	1756.0	1769.2	1805.6	1866.3	1956.4	1986.8	2058.1	2049.0	1885.1	1655.3
40°	1906.8	1897.7	1897.7	1940.2	2009.0	2112.8	2138.6	2174.0	2143.2	2030.3	1837.5
42.5°	2067.8	2059.1	2048.0	2085.5	2143.2	2224.1	2245.4	2235.8	2210.5	2167.4	2045.0
45°	2230.7	2217.5	2225.1	2247.9	2281.3	2319.8	2327.9	2283.3	2271.7	2283.8	2216.5
47.5°	2354.7	2345.6	2364.3	2396.2	2423.5	2429.1	2423.5	2361.8	2360.8	2403.8	2335.5
50°	2396.2	2397.2	2448.8	2518.6	2562.7	2567.2	2559.6	2488.8	2479.2	2491.8	2399.7
52.5°	2400.2	2404.3	2479.7	2612.8	2732.7	2787.4	2781.3	2704.9	2610.8	2597.1	2496.9
55°	2302.6	2326.3	2431.6	2625.9	2881.0	3055.6	3075.8	2929.6	2789.9	2778.3	2705.9
57.5°	1840.5	1889.1	2016.1	2292.9	2715.5	3083.4	3136.0	3030.8	2895.7	2846.1	2649.7
60°	1100.2	1160.4	1282.3	1621.9	2066.7	2534.3	2624.9	2639.6	2577.4	2434.1	2032.8
62.5°	472.2	467.1	617.4	877.5	1229.2	1610.8	1651.8	1715.5	1769.7	1619.9	1233.8
65°	161.9	176.1	244.9	395.7	615.4	748.0	784.4	841.6	918.5	758.1	451.9
67.5°	100.2	106.3	141.2	233.8	332.0	326.9	310.7	301.6	293.5	200.9	124.0
70°	72.9	77.9	99.2	160.9	223.2	156.9	136.1	110.3	122.5	112.9	88.1
72.5°	49.1	53.1	68.3	97.7	114.4	76.4	70.8	80.5	97.2	92.6	71.9
75°	29.4	31.9	39.0	47.6	46.6	39.5	40.0	56.7	74.4	69.3	51.1
77.5°	20.2	21.3	25.8	30.9	22.8	12.1	11.1	15.7	25.3	25.3	17.2
80°	5.1	6.6	6.6	4.0	3.5	3.0	3.0	4.6	7.1	5.1	2.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
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: P631896

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7	729.7
2.5°	733.3	727.2	731.3	730.2	733.3	734.3	729.7	728.7	729.2	723.2	721.1
5°	740.4	733.3	735.3	733.3	736.8	739.9	738.3	740.4	742.9	738.3	736.3
7.5°	755.5	748.5	748.0	744.9	750.0	752.0	751.5	757.1	762.1	759.1	756.0
10°	781.9	772.2	771.2	768.7	770.2	771.7	766.2	767.2	771.7	768.2	766.7
12.5°	814.2	802.6	800.1	794.0	794.0	786.4	774.3	771.7	775.3	772.7	770.2
15°	849.2	833.5	829.4	818.8	808.7	794.5	781.9	778.8	781.4	778.3	776.3
17.5°	888.1	870.4	857.3	838.5	816.3	799.6	785.4	778.8	774.8	768.7	768.2
20°	926.6	903.3	881.0	851.2	821.8	796.5	773.3	756.0	741.4	732.3	728.7
22.5°	971.1	936.7	900.8	858.8	816.8	778.3	737.3	708.0	682.7	674.1	670.0
25°	1018.7	974.2	920.5	865.9	799.6	737.8	682.2	638.6	605.2	594.1	589.6
27.5°	1071.3	1010.1	940.8	864.3	764.1	680.1	606.3	552.1	519.2	509.1	512.6
30°	1138.1	1056.6	966.1	848.7	711.0	599.2	512.6	467.1	442.3	432.7	433.2
32.5°	1227.2	1123.4	1003.0	815.3	642.7	507.1	431.2	397.8	381.1	368.4	367.4
35°	1354.7	1225.2	1037.4	761.6	559.7	425.1	369.9	343.6	320.3	305.7	308.2
37.5°	1507.5	1353.2	1056.1	689.3	466.6	361.3	323.9	297.1	270.7	249.0	251.5
40°	1688.7	1520.7	1054.6	594.1	381.6	317.8	285.4	254.0	221.1	201.4	203.4
42.5°	1890.6	1679.1	1021.7	493.4	316.3	282.4	248.5	209.0	177.1	165.0	165.5
45°	2065.7	1807.6	964.0	389.2	266.2	248.0	210.0	169.5	155.4	146.8	146.3
47.5°	2195.3	1901.8	881.6	306.2	225.7	216.6	172.6	151.8	140.7	133.6	132.6
50°	2267.6	1934.7	790.5	239.9	190.8	183.7	154.3	137.6	130.1	125.5	124.5
52.5°	2364.8	1974.1	725.2	189.3	159.9	150.3	142.2	128.0	123.0	119.4	117.9
55°	2518.6	2050.5	668.5	150.3	133.1	131.1	134.1	122.5	119.4	113.9	111.8
57.5°	2373.9	1842.0	519.2	116.4	112.3	119.9	129.6	116.9	109.3	104.2	102.2
60°	1670.5	1224.7	261.1	93.6	100.2	112.3	122.0	105.8	98.2	99.2	98.2
62.5°	921.0	612.8	117.4	78.4	87.0	99.2	104.2	91.6	86.5	95.1	96.7
65°	301.1	208.5	67.8	60.7	68.8	81.0	90.1	87.0	86.0	96.2	99.2
67.5°	92.6	68.8	46.1	43.5	47.6	59.7	75.9	94.1	101.2	104.2	105.8
70°	69.3	54.1	39.5	36.9	39.0	45.5	64.3	78.4	73.9	74.4	73.4
72.5°	55.7	43.0	33.9	32.4	32.4	31.4	33.9	42.5	48.1	50.6	50.6
75°	39.0	30.4	25.8	23.8	18.7	15.2	13.7	13.7	12.1	11.6	11.1
77.5°	13.2	11.1	10.1	8.1	5.6	4.6	4.0	3.5	2.5	1.5	1.0
80°	2.0	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.0	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)