

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: P629425

Luminaire Tested: GWS-SA1B-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2691.5 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

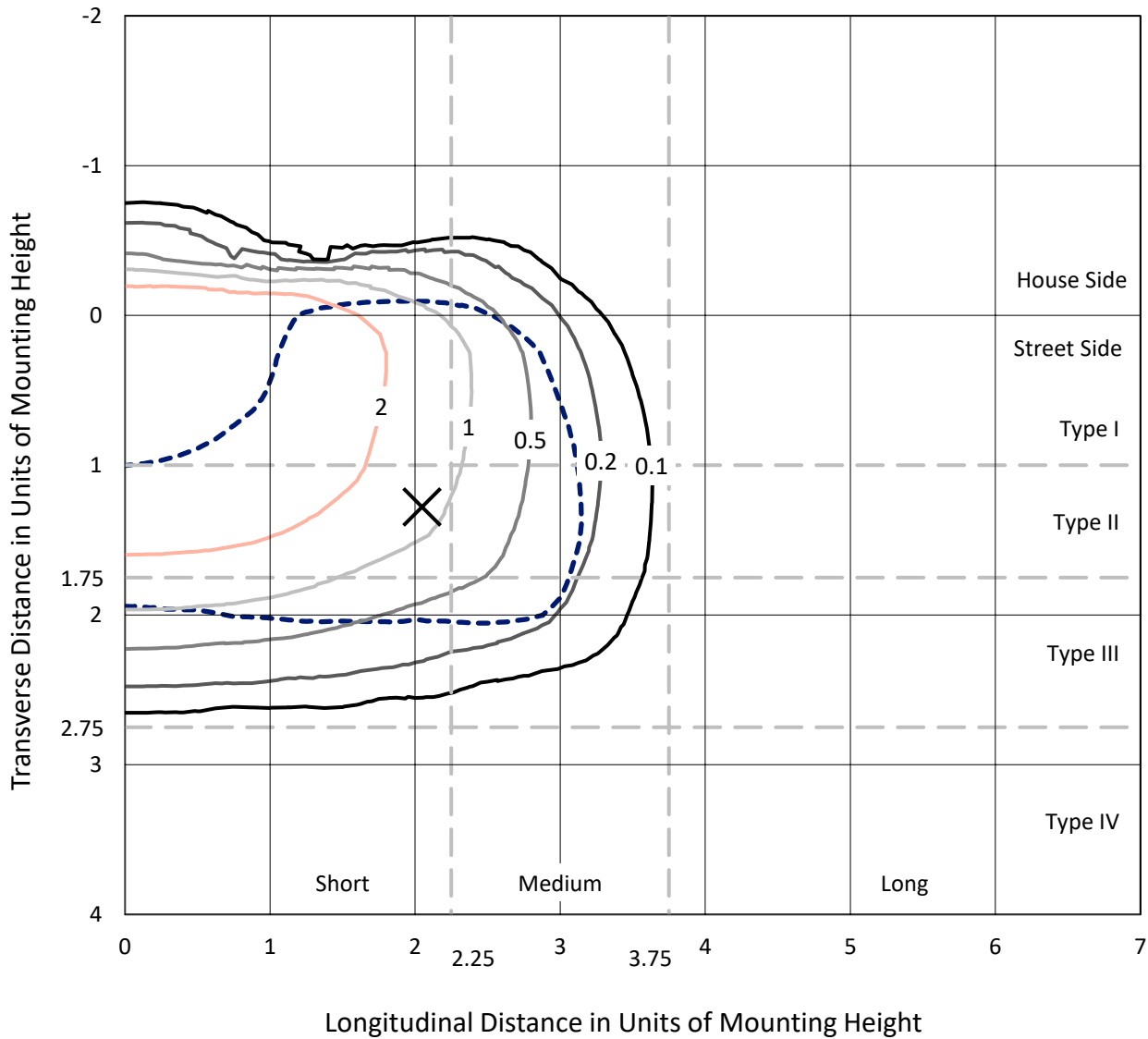
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

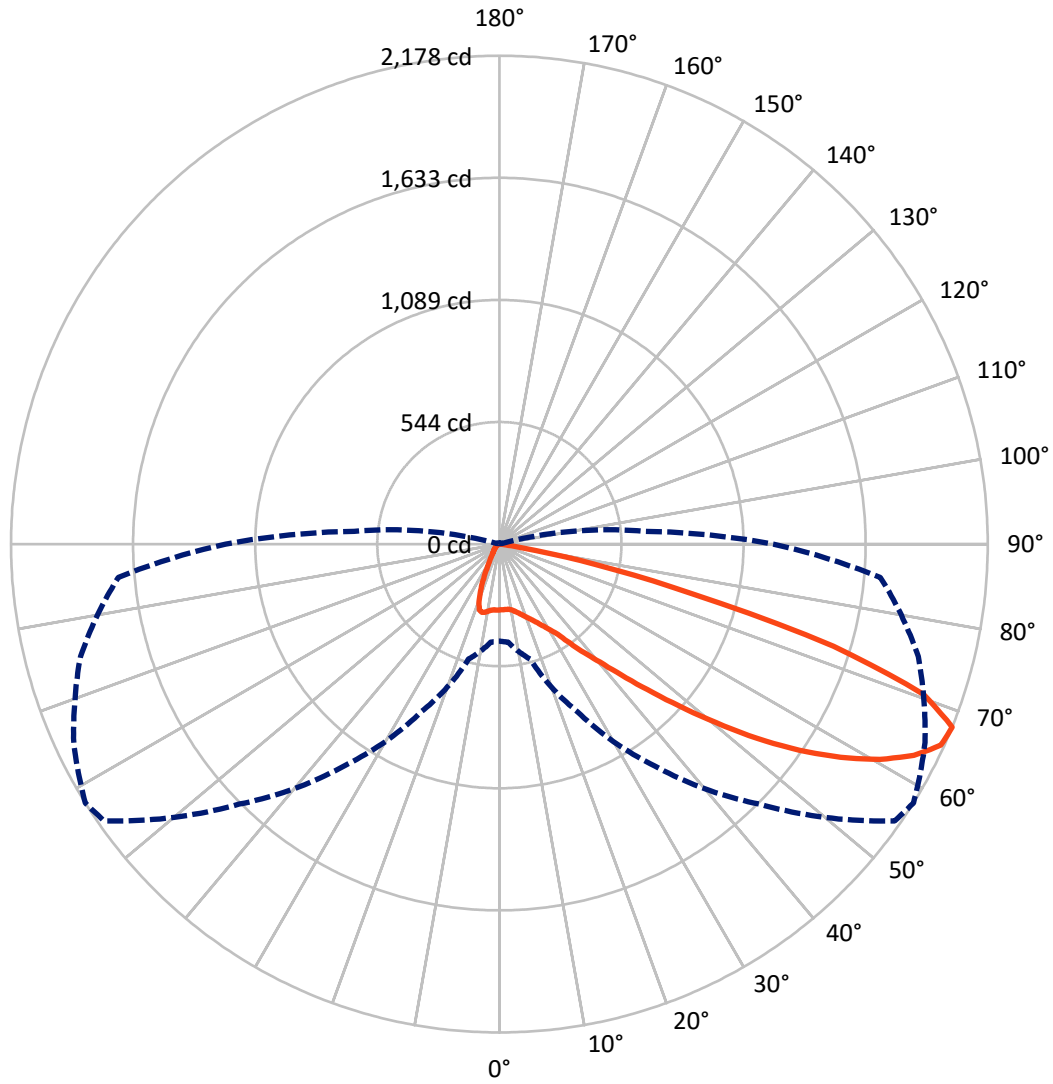
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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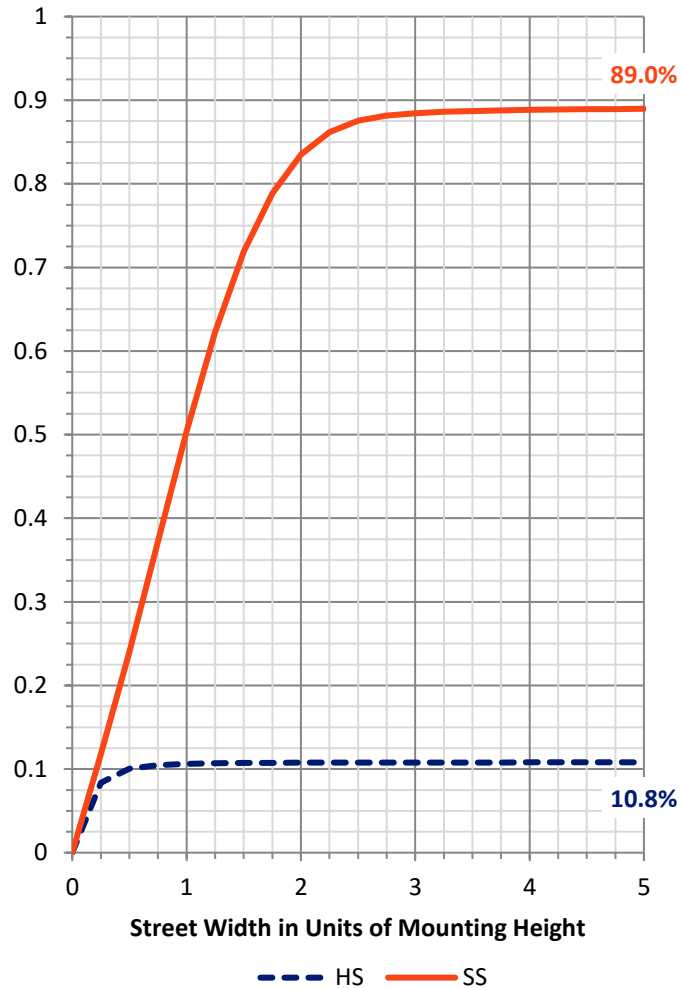
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.6	0.0	293.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	2397.9	0.0	2397.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	2691.5	0.0	2691.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	1.0
10°-20°	77.4	2.9
20°-30°	135.0	5.0
30°-40°	241.1	9.0
40°-50°	440.8	16.4
50°-60°	733.0	27.2
60°-70°	796.2	29.6
70°-80°	233.8	8.7
80°-90°	6.7	0.2
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°	2691.5	100.0
0°-180°	2691.5	100.0

Coefficient of Utilization



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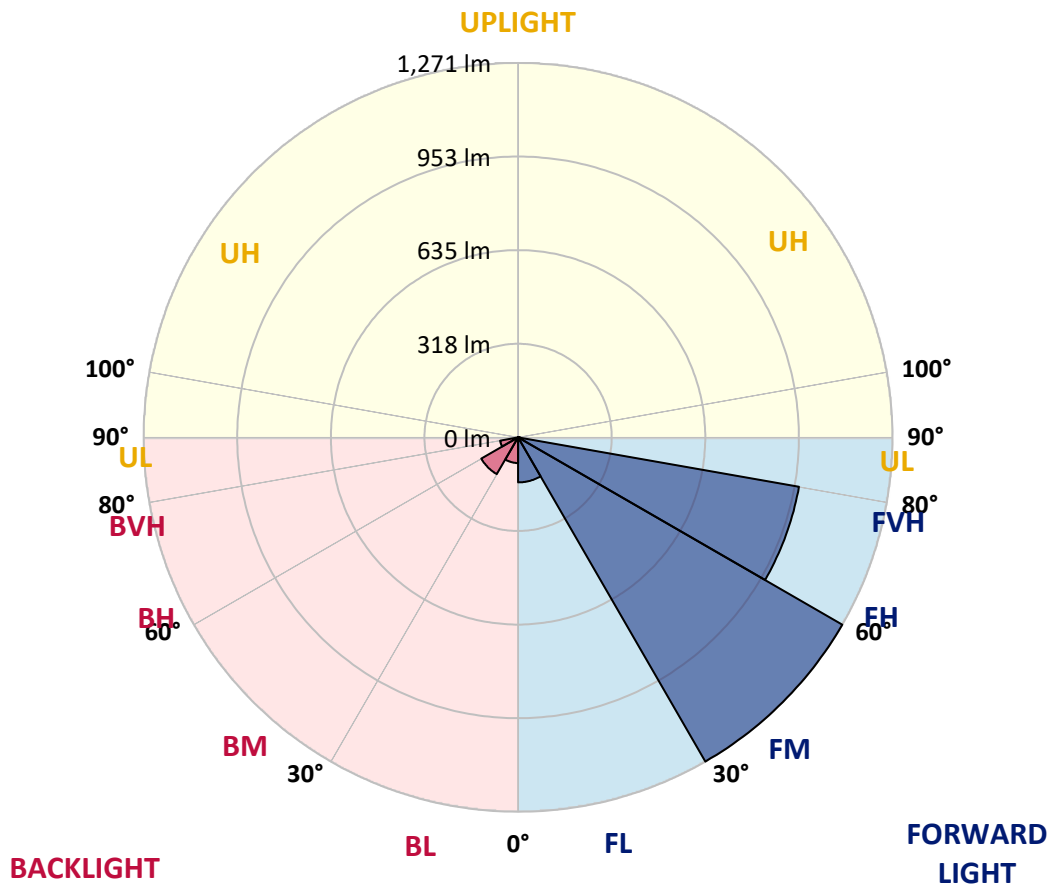
CATALOG NUMBER: GWS-SA1B-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.8	5.7			
FM (30°-60°)	1270.7	47.2			
FH (60°-80°)	968.0	36.0			G1/1800
FVH (80°-90°)	6.3	0.2			G0/10
BL (0°-30°)	87.1	3.2	B0/110		
BM (30°-60°)	144.2	5.4	B0/220		
BH (60°-80°)	62.0	2.3	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: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3
2.5°	287.8	287.2	287.2	289.4	289.6	290.7	293.0	293.3	294.6	294.1	292.2
5°	272.8	273.1	274.6	278.3	281.5	285.4	291.2	292.5	295.4	297.0	295.9
7.5°	258.9	259.1	261.5	267.3	273.3	281.2	290.7	293.3	299.1	303.3	303.5
10°	253.6	253.3	255.7	262.3	270.2	281.2	294.9	298.3	307.0	314.3	315.6
12.5°	255.2	254.9	257.3	263.3	272.0	285.9	302.2	307.0	318.0	329.3	331.7
15°	261.5	261.2	262.8	267.8	277.3	291.7	311.7	318.8	332.7	346.4	350.1
17.5°	280.4	279.1	277.5	278.1	283.6	298.5	323.8	332.5	349.8	366.1	369.2
20°	314.1	310.6	306.4	300.9	298.3	308.5	337.7	347.7	368.7	387.4	387.9
22.5°	364.8	363.5	353.7	337.7	326.4	326.7	354.0	365.6	391.3	411.8	408.9
25°	435.5	434.7	419.7	393.4	364.0	354.0	374.8	386.6	418.1	439.9	430.7
27.5°	523.2	517.7	500.1	464.6	420.8	389.5	401.0	411.6	446.5	467.0	449.7
30°	599.7	600.0	583.4	546.4	497.0	442.8	433.1	442.3	472.5	494.1	473.1
32.5°	673.3	675.7	657.5	624.2	570.0	512.5	479.1	480.7	505.9	529.3	503.8
35°	741.6	743.5	730.9	702.5	652.0	585.3	543.2	542.4	556.1	580.0	546.6
37.5°	818.1	820.0	807.6	782.1	734.8	668.6	616.0	615.0	620.5	639.9	601.8
40°	899.6	903.0	889.3	867.8	822.6	766.6	700.6	691.2	685.7	708.5	673.3
42.5°	982.1	987.4	982.6	961.1	922.5	876.2	810.5	795.8	784.0	812.6	775.3
45°	1084.6	1090.9	1088.8	1072.3	1042.3	1004.7	942.7	925.6	920.1	946.6	902.2
47.5°	1183.2	1190.0	1197.6	1193.9	1172.6	1155.3	1086.4	1076.7	1075.1	1103.5	1034.7
50°	1256.5	1262.8	1292.0	1313.0	1327.4	1323.8	1264.1	1249.6	1247.3	1265.4	1174.5
52.5°	1309.0	1315.1	1355.3	1421.0	1474.1	1503.0	1442.8	1439.7	1426.8	1420.5	1305.4
55°	1349.8	1358.2	1400.5	1499.8	1606.8	1670.9	1633.3	1622.0	1588.9	1552.7	1426.8
57.5°	1357.9	1361.3	1421.0	1555.0	1709.8	1813.6	1813.6	1793.9	1730.1	1679.9	1567.1
60°	1284.9	1295.4	1376.1	1550.6	1754.0	1906.9	1963.2	1949.5	1863.3	1801.5	1702.2
62.5°	1122.7	1134.5	1232.8	1443.6	1709.8	1926.1	2076.4	2074.3	1977.1	1902.2	1814.2
65°	861.0	869.6	955.3	1207.6	1523.2	1852.3	2157.4	2163.2	2067.0	1968.7	1852.8
67.5°	432.6	438.6	531.1	825.0	1207.3	1639.7	2151.9	2177.6	2094.3	1933.5	1705.4
70°	151.1	157.2	200.8	354.0	734.8	1252.0	1965.8	2007.8	1933.7	1650.4	1258.1
72.5°	51.8	54.7	83.3	131.4	285.9	742.2	1494.8	1558.2	1425.5	1108.0	723.0
75°	29.4	31.3	44.7	71.2	119.8	244.1	848.1	887.0	831.0	603.9	297.5
77.5°	20.0	21.6	27.9	40.5	66.2	78.6	345.9	435.5	379.8	197.1	76.0
80°	11.8	12.9	17.1	23.9	33.9	30.5	74.1	98.6	126.9	58.9	22.9
82.5°	5.5	6.3	11.0	15.8	17.1	12.9	21.8	26.5	35.7	28.9	9.5
85°	0.0	0.0	3.7	6.6	6.3	3.7	6.0	6.6	9.7	14.5	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.6	2.9	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3	293.3
2.5°	294.3	292.5	294.6	293.6	294.6	294.3	292.2	290.9	290.9	288.6	287.8
5°	298.0	296.2	296.7	294.3	293.8	292.5	289.9	288.8	288.8	286.5	285.7
7.5°	306.2	303.3	302.8	298.0	295.9	292.2	287.5	285.7	285.4	283.0	282.3
10°	319.0	315.6	313.3	307.2	301.2	293.8	283.8	275.4	270.7	264.4	263.9
12.5°	334.8	330.6	326.9	317.7	307.7	291.2	261.8	231.0	212.1	197.1	198.2
15°	352.4	348.5	342.7	328.8	308.3	265.2	203.7	156.4	133.2	120.9	120.4
17.5°	371.6	365.8	356.4	337.4	291.7	202.6	132.5	93.6	81.5	77.3	76.2
20°	389.5	382.4	370.6	339.3	243.9	137.2	82.8	72.5	70.4	69.1	69.1
22.5°	408.4	399.5	381.9	325.1	181.3	87.8	70.4	68.1	66.5	64.7	64.4
25°	427.6	416.0	392.1	288.0	118.8	69.1	66.0	63.3	60.4	57.6	56.8
27.5°	443.9	428.9	400.0	232.8	76.2	62.3	60.2	55.7	51.8	48.6	48.1
30°	463.3	444.1	403.4	170.3	59.9	54.9	51.8	47.0	42.3	39.2	38.1
32.5°	489.3	468.3	398.2	110.9	53.1	48.4	43.4	37.8	33.1	29.7	29.2
35°	529.8	504.9	374.0	70.7	48.1	41.8	35.7	30.0	26.0	23.4	22.9
37.5°	579.2	556.1	334.3	53.1	43.1	36.3	29.2	23.7	20.8	18.9	18.4
40°	652.6	620.2	285.1	46.5	38.1	30.7	23.9	19.4	17.3	15.8	15.2
42.5°	747.7	695.9	228.6	42.3	33.4	25.8	19.4	16.0	14.2	13.1	12.9
45°	858.9	769.8	169.0	38.1	28.9	21.3	16.0	13.1	11.8	11.0	10.8
47.5°	972.7	834.4	116.7	33.6	24.7	17.6	13.4	11.3	10.2	9.2	8.9
50°	1094.1	889.1	79.6	29.2	21.0	14.5	11.6	10.2	8.9	8.1	7.9
52.5°	1183.2	909.3	55.5	25.2	17.9	12.4	10.2	9.2	8.1	7.1	6.8
55°	1265.4	908.8	42.0	21.3	15.2	10.8	9.2	8.1	7.1	6.3	6.0
57.5°	1347.4	901.7	33.1	18.1	13.1	9.7	8.1	7.1	6.6	5.5	5.3
60°	1400.5	874.9	25.8	15.2	11.3	8.4	7.1	6.3	5.5	4.7	4.5
62.5°	1428.6	837.6	19.7	12.1	9.2	7.4	6.3	5.5	4.7	3.9	3.7
65°	1390.5	771.3	15.5	9.5	7.1	6.3	5.3	4.5	3.7	2.9	2.6
67.5°	1221.5	650.4	12.1	7.6	5.5	4.7	4.5	3.7	2.6	2.1	1.8
70°	863.3	445.5	9.5	5.8	4.2	3.7	3.4	2.9	2.1	1.6	1.3
72.5°	473.8	224.7	6.8	4.2	3.2	2.9	2.6	2.4	1.8	1.3	1.3
75°	182.4	61.8	5.0	2.9	2.1	2.1	1.8	1.8	1.6	1.1	1.1
77.5°	47.6	18.4	3.2	1.8	1.3	1.3	1.3	1.1	1.1	0.8	0.8
80°	15.2	6.0	1.8	1.3	1.1	0.8	0.8	0.5	0.8	0.5	0.5
82.5°	5.0	2.1	1.1	1.1	0.8	0.5	0.5	0.3	0.3	0.0	0.0
85°	1.8	1.1	0.8	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.5	0.5	0.3	0.0	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)