

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: P629421

Luminaire Tested: GWS-SA1B-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2956.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

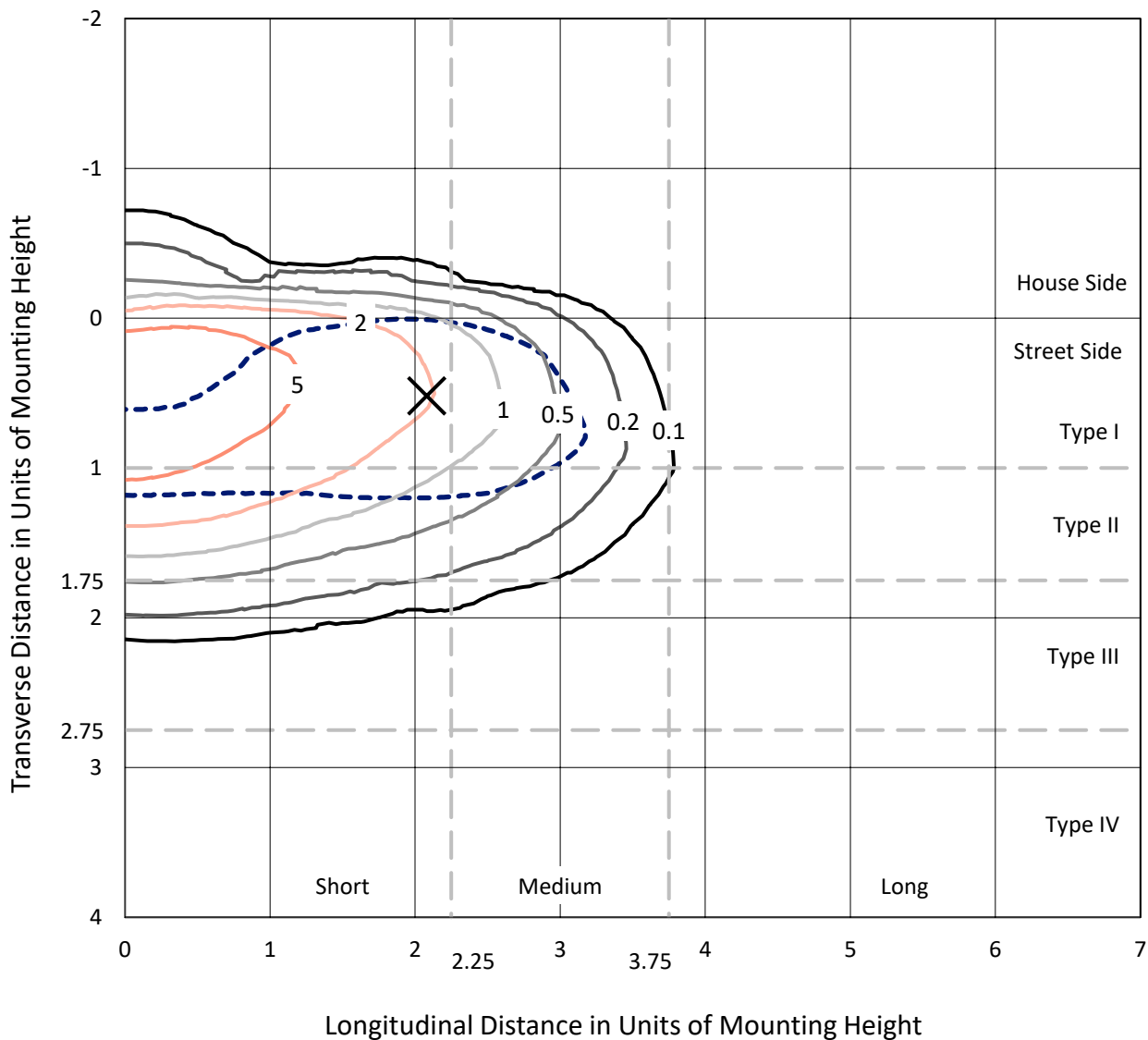
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

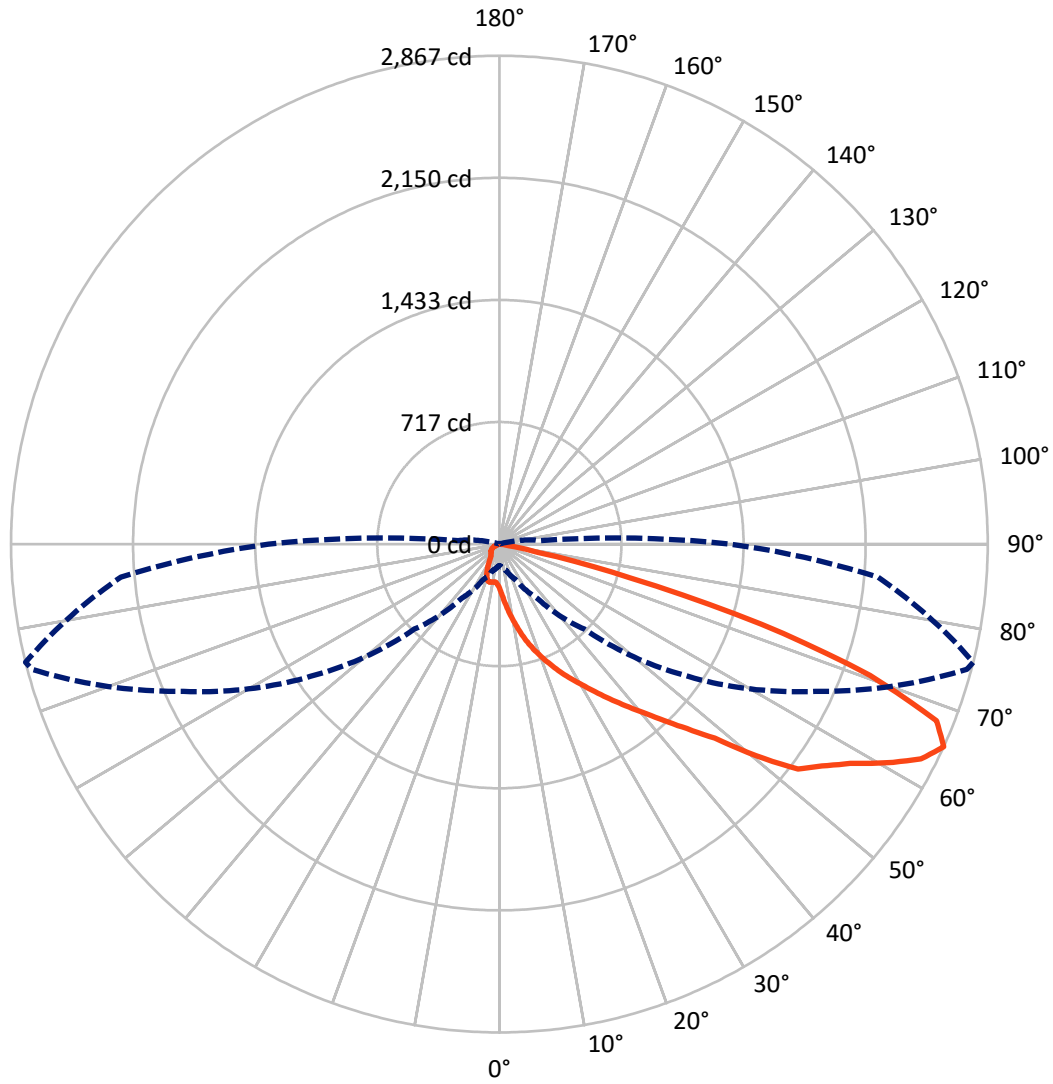
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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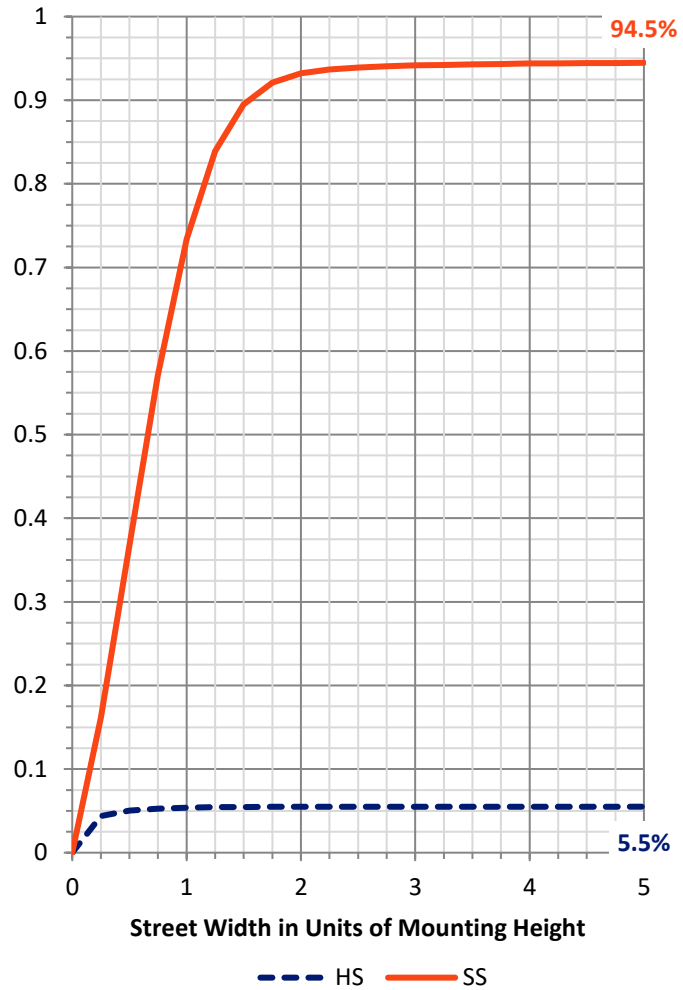
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	163.5	0.0	163.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	2793.2	0.0	2793.2
	% Fixture	94.5	0.0	94.5
Total	Lumens	2956.7	0.0	2956.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.1
10°-20°	120.8	4.1
20°-30°	246.5	8.3
30°-40°	438.5	14.8
40°-50°	648.2	21.9
50°-60°	742.1	25.1
60°-70°	566.2	19.1
70°-80°	158.6	5.4
80°-90°	4.0	0.1
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°	2956.7	100.0
0°-180°	2956.7	100.0

Coefficient of Utilization



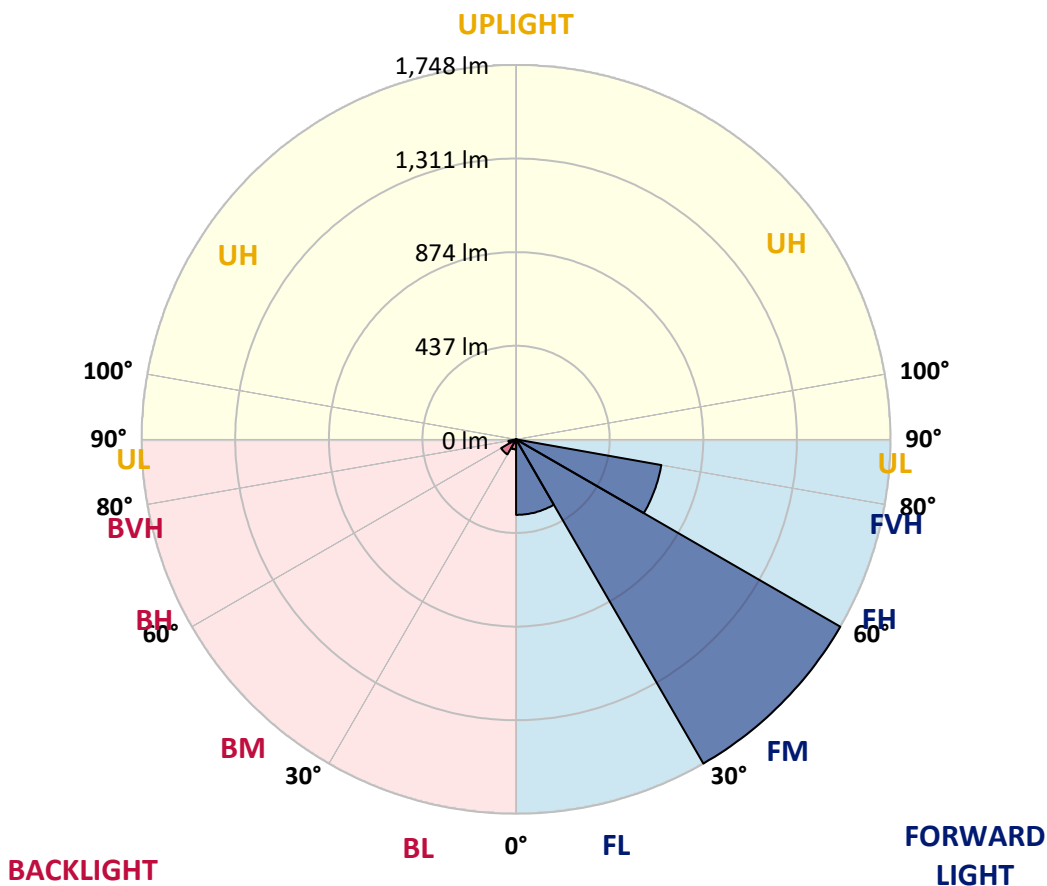
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.6	11.9			
FM (30°-60°)	1748.0	59.1			
FH (60°-80°)	688.8	23.3			G1/1800
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	46.7	1.6	B0/110		
BM (30°-60°)	80.7	2.7	B0/220		
BH (60°-80°)	35.9	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8
2.5°	403.4	409.5	404.8	396.9	381.6	366.9	348.0	322.0	301.2	298.6	279.1
5°	544.8	544.3	534.1	523.8	507.8	482.6	444.4	396.1	349.6	345.6	302.0
7.5°	628.9	629.7	624.0	616.1	600.3	574.3	534.6	476.2	408.2	400.3	333.3
10°	699.6	699.4	695.2	691.5	677.3	660.0	617.4	553.3	471.2	458.9	368.2
12.5°	752.7	754.6	756.7	760.4	754.3	737.2	697.0	627.1	535.1	521.4	408.2
15°	794.8	795.3	803.2	817.4	822.4	813.4	776.9	698.6	598.2	586.4	454.2
17.5°	807.4	808.5	821.9	847.9	874.2	879.2	851.6	770.6	660.2	647.6	498.8
20°	834.0	836.3	846.3	869.2	902.3	929.1	918.3	843.4	722.2	705.7	544.6
22.5°	917.5	918.8	915.4	918.3	935.4	966.4	973.0	913.8	785.9	768.2	594.0
25°	1061.3	1061.8	1037.9	1015.3	1002.4	1008.2	1022.7	978.8	848.9	831.6	640.0
27.5°	1210.6	1212.4	1183.8	1145.4	1099.4	1073.1	1068.9	1038.2	912.5	893.3	685.5
30°	1351.2	1351.2	1321.0	1274.2	1212.7	1161.4	1131.2	1098.1	980.6	959.6	732.0
32.5°	1477.6	1476.6	1437.9	1387.2	1326.5	1270.2	1206.6	1160.6	1056.3	1032.9	785.6
35°	1582.0	1579.3	1535.4	1486.8	1421.9	1380.1	1309.1	1227.9	1138.3	1114.9	840.8
37.5°	1660.8	1657.9	1617.7	1566.2	1506.0	1478.9	1419.5	1308.6	1224.8	1203.5	902.0
40°	1703.6	1697.9	1670.0	1631.6	1581.2	1557.5	1532.8	1408.8	1326.5	1299.9	974.3
42.5°	1716.3	1709.4	1691.0	1673.2	1642.7	1624.0	1650.6	1521.8	1438.2	1415.3	1056.8
45°	1678.9	1675.0	1673.4	1686.3	1691.8	1697.1	1762.5	1646.9	1561.5	1544.1	1160.6
47.5°	1589.1	1588.0	1601.9	1655.5	1713.9	1769.4	1884.2	1801.2	1721.3	1702.6	1305.7
50°	1422.9	1433.7	1472.6	1566.7	1683.4	1810.4	1998.0	2015.1	1979.9	1952.5	1495.0
52.5°	1163.3	1184.0	1271.3	1414.3	1582.0	1798.8	2050.6	2186.5	2222.5	2194.1	1630.6
55°	912.8	932.2	1010.0	1191.4	1415.1	1710.7	2052.9	2245.6	2324.2	2297.9	1722.3
57.5°	679.9	697.8	768.5	942.0	1188.0	1537.5	1996.7	2278.4	2444.8	2428.0	1867.1
60°	444.4	462.1	525.9	677.6	921.5	1285.2	1858.2	2271.6	2609.1	2607.5	2045.1
62.5°	246.5	260.5	306.7	425.0	643.1	995.3	1640.6	2203.0	2768.1	2778.1	2191.7
65°	126.2	135.1	163.2	233.7	389.2	705.7	1354.3	2045.8	2841.7	2866.9	2230.4
67.5°	82.5	85.4	92.3	121.4	208.4	443.9	1019.2	1793.8	2738.1	2767.6	2100.8
70°	67.0	69.4	73.3	81.0	107.5	235.8	669.4	1432.7	2287.9	2307.9	1672.9
72.5°	49.1	52.3	59.9	64.9	77.5	129.3	348.2	940.4	1571.2	1606.4	1051.3
75°	36.3	38.1	44.4	51.3	63.3	81.7	133.3	494.4	811.3	790.8	441.5
77.5°	21.8	23.1	28.4	32.9	45.2	51.0	46.5	182.7	246.8	232.1	106.7
80°	10.8	12.1	18.7	24.7	28.9	20.5	19.4	51.0	54.9	54.9	26.8
82.5°	3.7	4.7	10.0	16.3	14.2	7.9	9.2	13.1	14.7	15.5	7.9
85°	0.0	0.0	2.4	4.7	2.1	1.1	2.4	2.9	3.7	3.9	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	1.1
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°	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8	261.8
2.5°	268.6	256.3	237.6	220.8	207.9	195.8	186.6	179.2	177.9	173.7	174.3
5°	280.7	258.4	223.9	197.4	178.7	166.1	155.6	147.7	144.3	140.9	138.2
7.5°	299.4	267.0	218.7	186.3	164.5	145.1	128.8	115.6	109.3	105.4	102.8
10°	322.2	279.1	218.9	179.8	147.4	117.7	95.4	81.0	74.1	72.0	71.8
12.5°	349.6	294.4	221.0	169.0	122.7	87.5	70.7	64.1	62.0	60.2	60.2
15°	378.5	311.5	221.0	149.3	93.6	68.3	61.2	57.0	54.4	53.4	52.8
17.5°	409.0	327.5	215.8	122.2	71.8	60.2	54.4	50.5	48.4	46.8	46.3
20°	441.5	342.7	202.6	93.6	61.5	53.9	48.4	44.4	42.3	40.7	40.7
22.5°	474.7	356.9	181.4	72.0	54.4	47.8	42.6	38.9	36.8	35.2	35.2
25°	505.4	366.4	154.0	59.4	49.1	42.6	37.8	34.2	31.8	30.8	30.2
27.5°	534.1	372.4	123.8	52.3	44.2	38.1	33.1	29.7	27.9	27.1	26.5
30°	563.8	374.0	94.6	47.6	39.9	33.6	28.9	26.3	24.7	23.7	23.7
32.5°	592.7	372.2	72.3	43.6	36.3	29.7	25.8	23.4	22.1	21.3	21.0
35°	622.1	363.8	58.6	40.2	32.6	26.0	22.9	21.0	20.2	19.2	19.2
37.5°	654.2	352.5	51.0	36.8	28.9	23.4	20.5	19.2	18.1	17.3	17.1
40°	694.1	339.3	46.8	33.9	25.5	21.0	18.4	17.1	16.3	15.5	15.2
42.5°	741.4	326.4	44.7	30.8	22.9	18.7	16.6	15.0	14.2	13.1	12.9
45°	808.5	323.5	42.3	27.3	20.5	16.8	14.5	12.9	11.8	11.0	10.8
47.5°	916.2	331.7	38.4	23.7	18.1	14.7	12.4	11.0	9.7	8.9	8.4
50°	1023.2	329.6	34.4	20.5	16.0	12.6	10.5	9.2	7.9	7.1	6.8
52.5°	1081.5	319.6	30.8	18.1	13.9	10.8	8.9	7.4	6.6	5.8	5.5
55°	1134.4	315.7	27.1	15.8	11.8	9.5	7.4	6.0	5.5	4.7	4.5
57.5°	1237.9	324.9	23.9	13.7	10.3	8.1	6.3	5.0	4.5	3.7	3.4
60°	1346.2	325.9	20.5	11.8	8.9	6.8	5.0	3.9	3.4	2.6	2.4
62.5°	1402.7	299.4	16.8	10.0	7.4	5.8	4.2	3.2	2.6	1.6	1.6
65°	1355.4	242.1	14.2	8.1	5.8	4.5	3.2	2.4	1.6	0.8	0.3
67.5°	1199.5	172.2	11.8	6.6	4.2	3.2	2.4	1.6	0.3	0.0	0.0
70°	878.4	98.3	9.2	4.7	3.2	2.1	1.6	0.8	0.0	0.0	0.0
72.5°	539.8	52.6	6.8	3.2	2.4	1.6	1.3	0.5	0.0	0.0	0.0
75°	204.7	25.2	4.2	2.1	1.8	1.3	0.8	0.3	0.0	0.0	0.0
77.5°	55.5	12.4	2.4	1.6	1.3	0.8	0.5	0.0	0.0	0.0	0.0
80°	14.5	5.8	1.6	1.1	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	5.0	2.6	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
85°	2.1	1.1	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.3	0.3	0.3	0.3	0.0	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)