

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: P629914

Luminaire Tested: GWS-SA1C-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629914
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-SA1C-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: 3965.2 lumens
Efficiency: N/A
Efficacy: 116.3 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

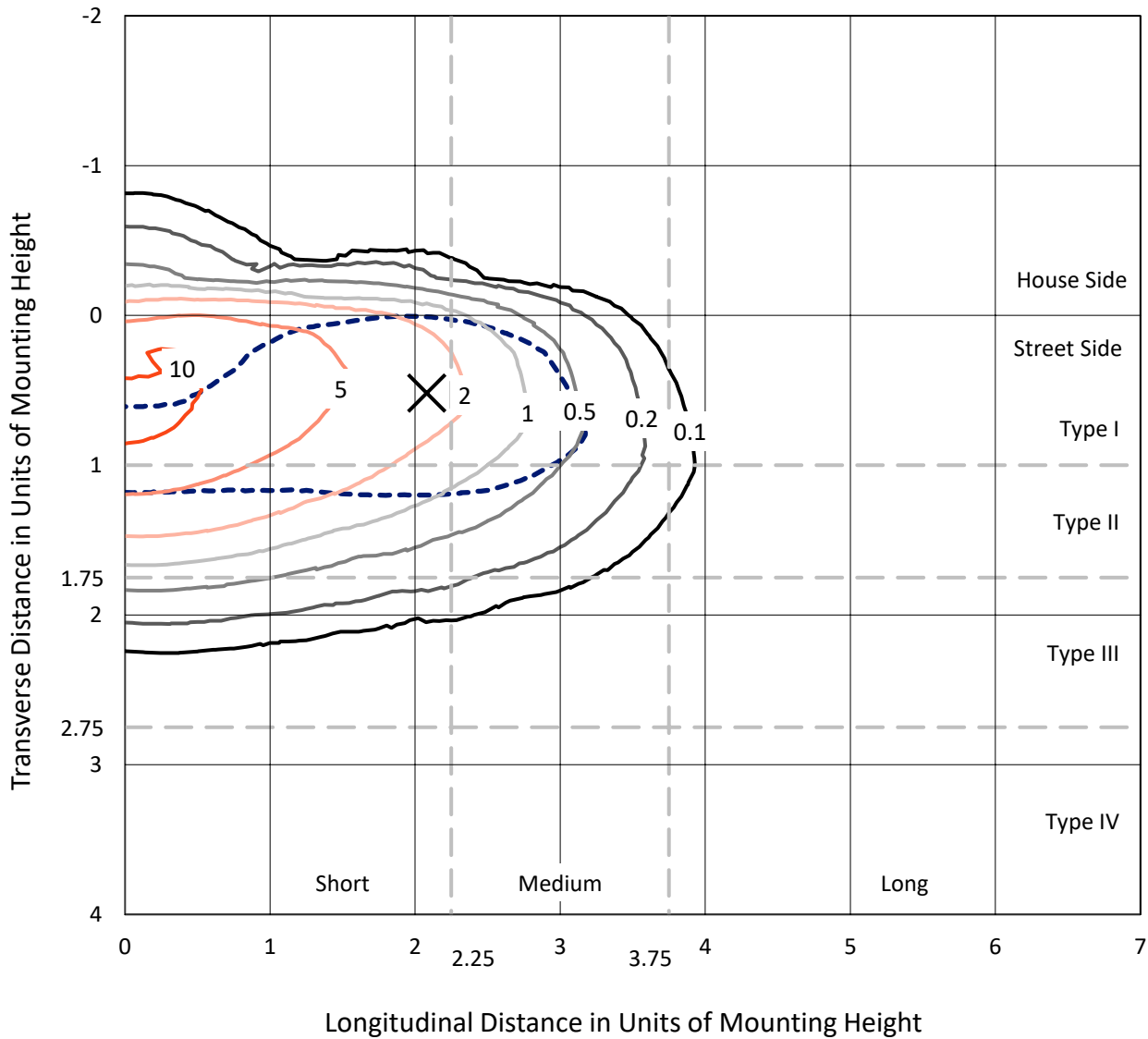
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

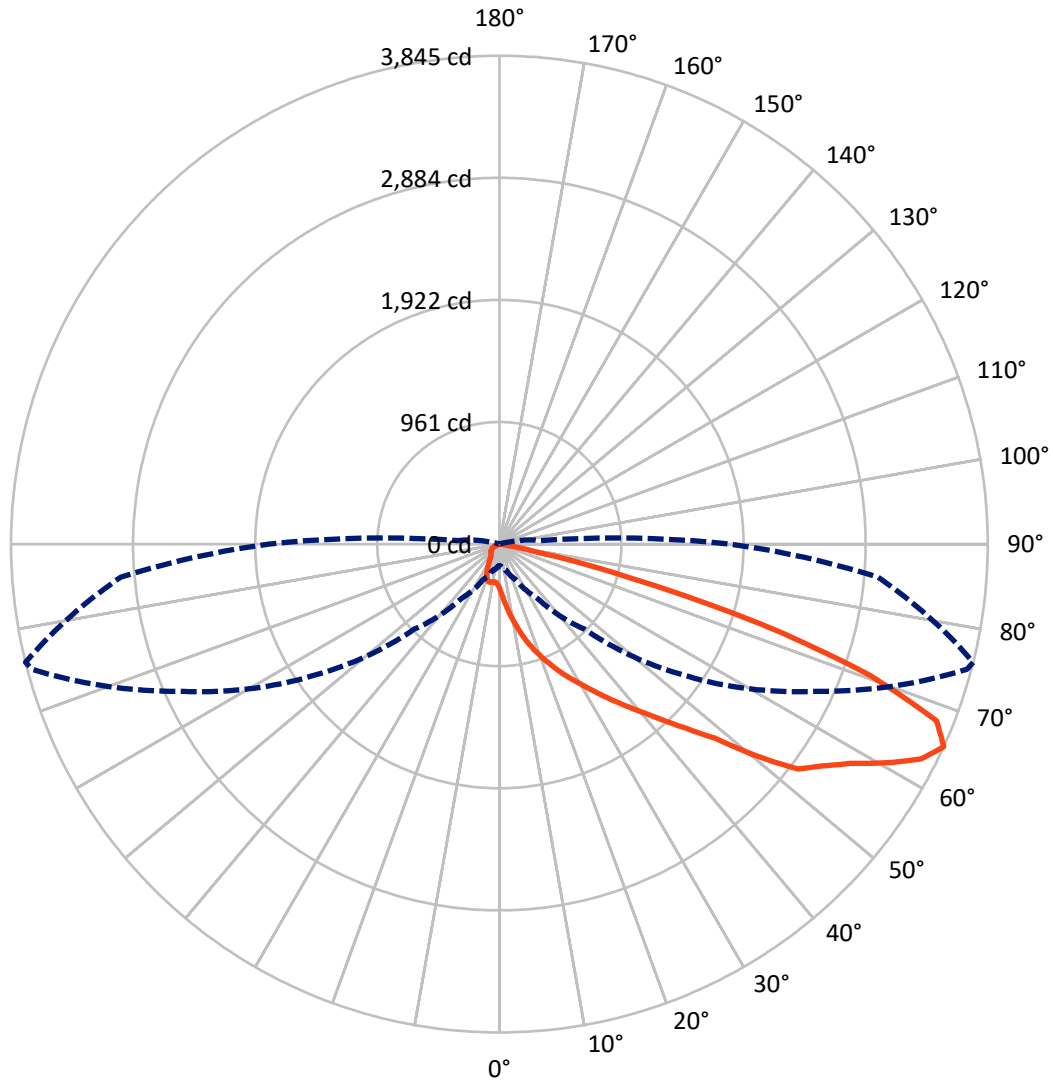
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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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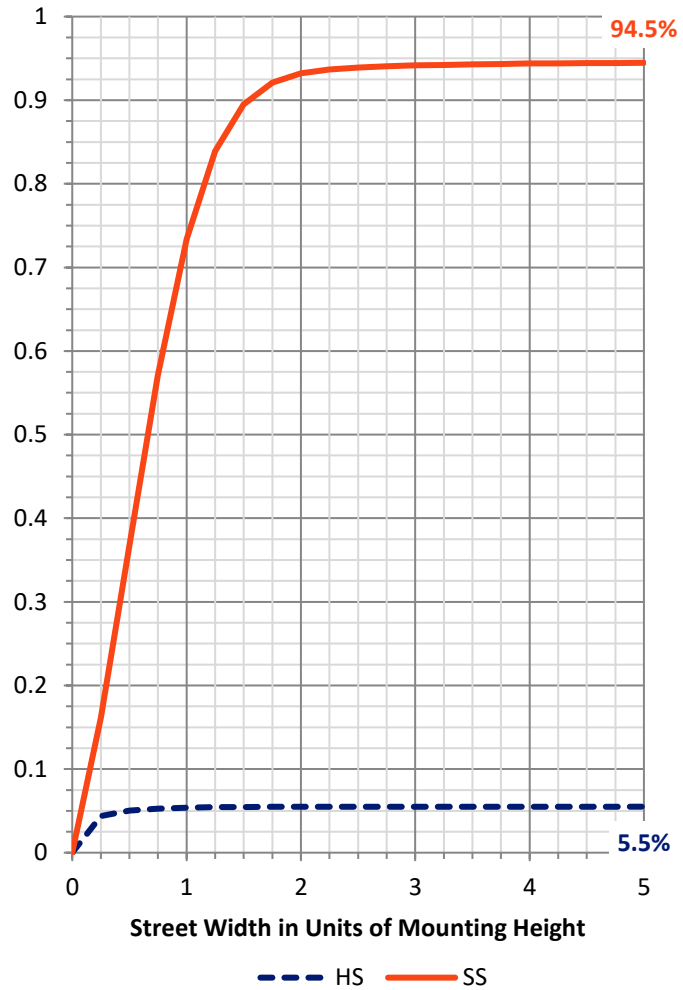
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	219.3	0.0	219.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	3746.0	0.0	3746.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	3965.2	0.0	3965.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.1
10°-20°	162.1	4.1
20°-30°	330.6	8.3
30°-40°	588.0	14.8
40°-50°	869.2	21.9
50°-60°	995.2	25.1
60°-70°	759.3	19.1
70°-80°	212.7	5.4
80°-90°	5.4	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°	3965.2	100.0
0°-180°	3965.2	100.0

Coefficient of Utilization



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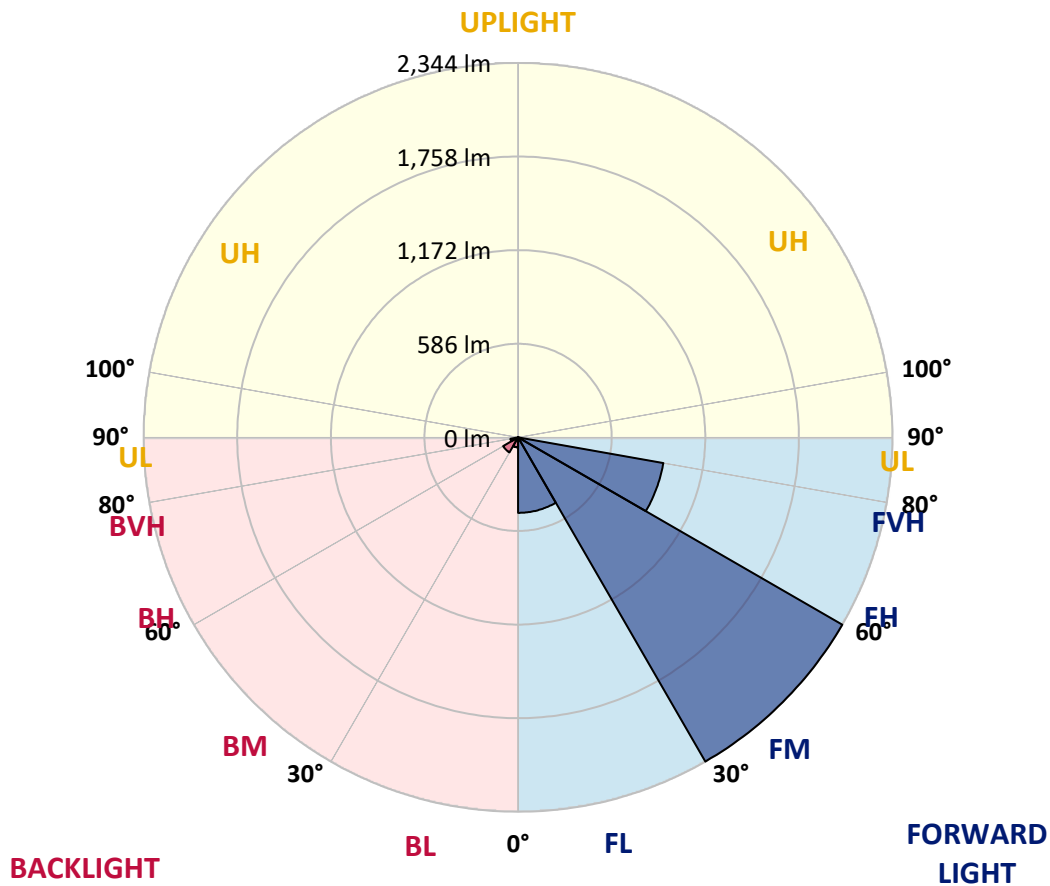
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.8	11.9			
FM (30°-60°)	2344.3	59.1			
FH (60°-80°)	923.8	23.3			G1/1800
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	62.6	1.6	B0/110		
BM (30°-60°)	108.2	2.7	B0/220		
BH (60°-80°)	48.2	1.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1
2.5°	541.0	549.2	542.8	532.2	511.8	492.1	466.7	431.8	403.9	400.4	374.3
5°	730.7	730.0	716.2	702.5	681.0	647.1	596.0	531.2	468.8	463.5	405.0
7.5°	843.5	844.5	836.8	826.2	805.1	770.2	716.9	638.7	547.4	536.8	446.9
10°	938.3	937.9	932.3	927.4	908.3	885.1	828.0	742.0	632.0	615.4	493.8
12.5°	1009.5	1012.0	1014.8	1019.7	1011.6	988.7	934.8	841.0	717.6	699.3	547.4
15°	1065.9	1066.6	1077.2	1096.2	1102.9	1090.9	1041.9	936.9	802.2	786.4	609.1
17.5°	1082.8	1084.2	1102.2	1137.1	1172.3	1179.0	1142.0	1033.5	885.4	868.5	669.0
20°	1118.4	1121.6	1135.0	1165.6	1210.0	1246.0	1231.5	1131.1	968.6	946.4	730.3
22.5°	1230.5	1232.3	1227.7	1231.5	1254.5	1296.0	1304.9	1225.6	1053.9	1030.3	796.6
25°	1423.3	1424.0	1391.9	1361.6	1344.3	1352.1	1371.5	1312.6	1138.5	1115.2	858.3
27.5°	1623.5	1626.0	1587.5	1536.1	1474.4	1439.2	1433.5	1392.3	1223.8	1198.1	919.3
30°	1812.1	1812.1	1771.5	1708.8	1626.3	1557.6	1517.1	1472.6	1315.1	1286.9	981.6
32.5°	1981.6	1980.2	1928.4	1860.4	1778.9	1703.5	1618.2	1556.5	1416.6	1385.2	1053.5
35°	2121.5	2118.0	2059.2	1993.9	1906.9	1850.8	1755.7	1646.8	1526.6	1495.2	1127.6
37.5°	2227.3	2223.4	2169.5	2100.4	2019.7	1983.4	1903.7	1755.0	1642.5	1614.0	1209.7
40°	2284.7	2277.0	2239.6	2188.2	2120.5	2088.8	2055.6	1889.3	1778.9	1743.3	1306.6
42.5°	2301.7	2292.5	2267.8	2243.9	2203.0	2177.9	2213.5	2040.8	1928.7	1898.1	1417.3
45°	2251.6	2246.3	2244.2	2261.5	2268.9	2275.9	2363.7	2208.6	2094.1	2070.8	1556.5
47.5°	2131.1	2129.7	2148.3	2220.2	2298.5	2372.9	2526.9	2415.5	2308.4	2283.3	1751.1
50°	1908.3	1922.7	1974.9	2101.1	2257.6	2427.8	2679.5	2702.4	2655.2	2618.5	2004.9
52.5°	1560.1	1587.9	1704.9	1896.7	2121.5	2412.3	2750.0	2932.2	2980.5	2942.5	2186.8
55°	1224.1	1250.2	1354.6	1597.8	1897.7	2294.3	2753.2	3011.5	3116.9	3081.7	2309.8
57.5°	911.9	935.8	1030.6	1263.3	1593.2	2062.0	2677.8	3055.6	3278.7	3256.2	2504.0
60°	596.0	619.7	705.3	908.7	1235.8	1723.6	2492.0	3046.4	3499.0	3496.9	2742.6
62.5°	330.6	349.3	411.3	570.0	862.5	1334.8	2200.1	2954.4	3712.3	3725.7	2939.3
65°	169.2	181.2	218.9	313.4	522.0	946.4	1816.3	2743.7	3811.0	3844.8	2991.1
67.5°	110.7	114.6	123.7	162.8	279.5	595.3	1366.9	2405.6	3672.1	3711.6	2817.3
70°	89.9	93.1	98.3	108.6	144.2	316.2	897.8	1921.3	3068.3	3095.1	2243.5
72.5°	65.9	70.1	80.4	87.1	104.0	173.4	467.0	1261.2	2107.1	2154.3	1409.9
75°	48.6	51.1	59.6	68.7	84.9	109.6	178.7	663.0	1088.1	1060.6	592.2
77.5°	29.3	31.0	38.1	44.1	60.6	68.4	62.4	245.0	331.0	311.2	143.1
80°	14.5	16.2	25.0	33.1	38.8	27.5	26.1	68.4	73.7	73.7	36.0
82.5°	4.9	6.3	13.4	21.9	19.0	10.6	12.3	17.6	19.7	20.8	10.6
85°	0.0	0.0	3.2	6.3	2.8	1.4	3.2	3.9	4.9	5.3	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	1.4	1.4
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°	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1
2.5°	360.2	343.7	318.6	296.1	278.8	262.6	250.3	240.4	238.6	233.0	233.7
5°	376.4	346.5	300.3	264.7	239.7	222.8	208.7	198.1	193.5	188.9	185.4
7.5°	401.5	358.1	293.3	249.9	220.6	194.6	172.7	155.1	146.6	141.3	137.8
10°	432.1	374.3	293.6	241.1	197.7	157.9	127.9	108.6	99.4	96.6	96.2
12.5°	468.8	394.8	296.4	226.6	164.6	117.4	94.8	86.0	83.2	80.7	80.7
15°	507.6	417.7	296.4	200.2	125.5	91.6	82.1	76.5	73.0	71.6	70.8
17.5°	548.5	439.2	289.4	163.9	96.2	80.7	73.0	67.7	64.9	62.7	62.0
20°	592.2	459.6	271.8	125.5	82.5	72.3	64.9	59.6	56.7	54.6	54.6
22.5°	636.6	478.7	243.2	96.6	73.0	64.2	57.1	52.2	49.3	47.2	47.2
25°	677.8	491.3	206.6	79.7	65.9	57.1	50.8	45.8	42.6	41.2	40.5
27.5°	716.2	499.5	166.0	70.1	59.2	51.1	44.4	39.8	37.4	36.3	35.6
30°	756.1	501.6	126.9	63.8	53.6	45.1	38.8	35.2	33.1	31.7	31.7
32.5°	794.8	499.1	96.9	58.5	48.6	39.8	34.5	31.4	29.6	28.6	28.2
35°	834.3	487.8	78.6	53.9	43.7	34.9	30.7	28.2	27.1	25.7	25.7
37.5°	877.3	472.7	68.4	49.3	38.8	31.4	27.5	25.7	24.3	23.3	22.9
40°	930.9	455.0	62.7	45.5	34.2	28.2	24.7	22.9	21.9	20.8	20.4
42.5°	994.3	437.8	59.9	41.2	30.7	25.0	22.2	20.1	19.0	17.6	17.3
45°	1084.2	433.9	56.7	36.7	27.5	22.6	19.4	17.3	15.9	14.8	14.5
47.5°	1228.7	444.8	51.5	31.7	24.3	19.7	16.6	14.8	13.0	12.0	11.3
50°	1372.2	442.0	46.2	27.5	21.5	16.9	14.1	12.3	10.6	9.5	9.2
52.5°	1450.4	428.6	41.2	24.3	18.7	14.5	12.0	9.9	8.8	7.8	7.4
55°	1521.3	423.3	36.3	21.1	15.9	12.7	9.9	8.1	7.4	6.3	6.0
57.5°	1660.2	435.7	32.1	18.3	13.7	10.9	8.5	6.7	6.0	4.9	4.6
60°	1805.4	437.1	27.5	15.9	12.0	9.2	6.7	5.3	4.6	3.5	3.2
62.5°	1881.2	401.5	22.6	13.4	9.9	7.8	5.6	4.2	3.5	2.1	2.1
65°	1817.7	324.6	19.0	10.9	7.8	6.0	4.2	3.2	2.1	1.1	0.4
67.5°	1608.7	230.9	15.9	8.8	5.6	4.2	3.2	2.1	0.4	0.0	0.0
70°	1178.0	131.8	12.3	6.3	4.2	2.8	2.1	1.1	0.0	0.0	0.0
72.5°	724.0	70.5	9.2	4.2	3.2	2.1	1.8	0.7	0.0	0.0	0.0
75°	274.6	33.8	5.6	2.8	2.5	1.8	1.1	0.4	0.0	0.0	0.0
77.5°	74.4	16.6	3.2	2.1	1.8	1.1	0.7	0.0	0.0	0.0	0.0
80°	19.4	7.8	2.1	1.4	1.1	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	6.7	3.5	1.1	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0
85°	2.8	1.4	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.4	0.4	0.4	0.4	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)