

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: P630350

Luminaire Tested: GWS-SA1D-740-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4542.1 lumens
Efficiency: N/A
Efficacy: 102.5 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

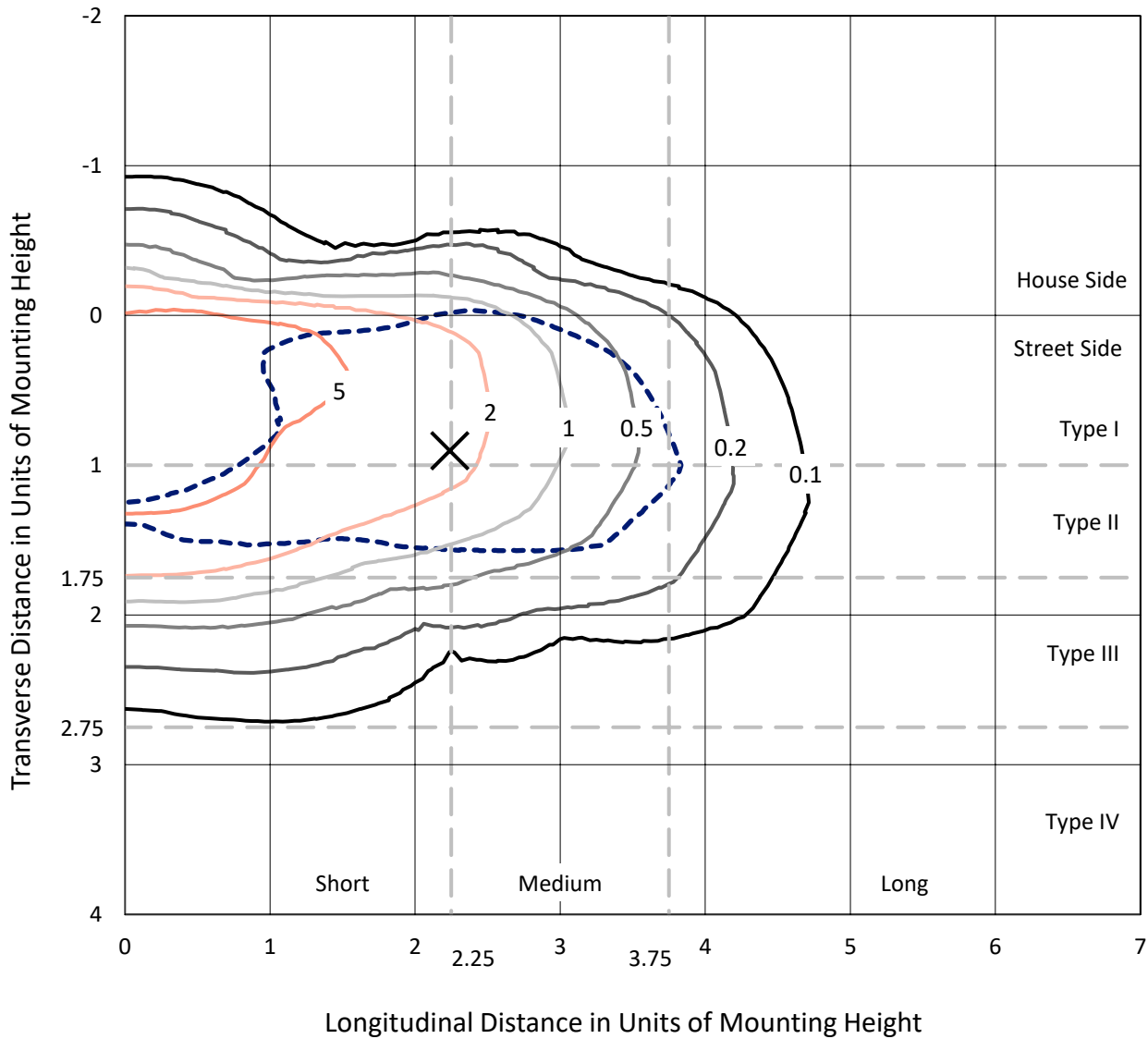
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

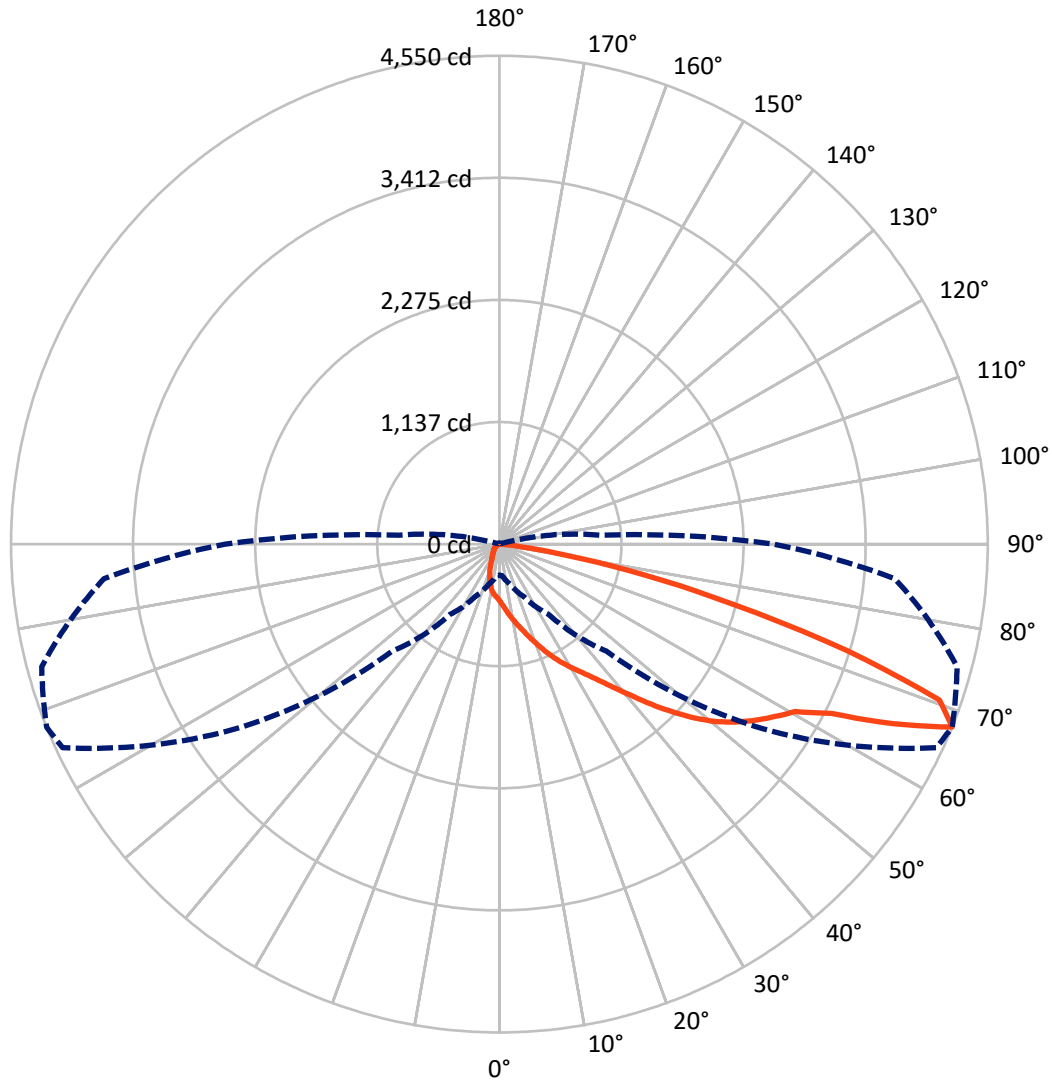
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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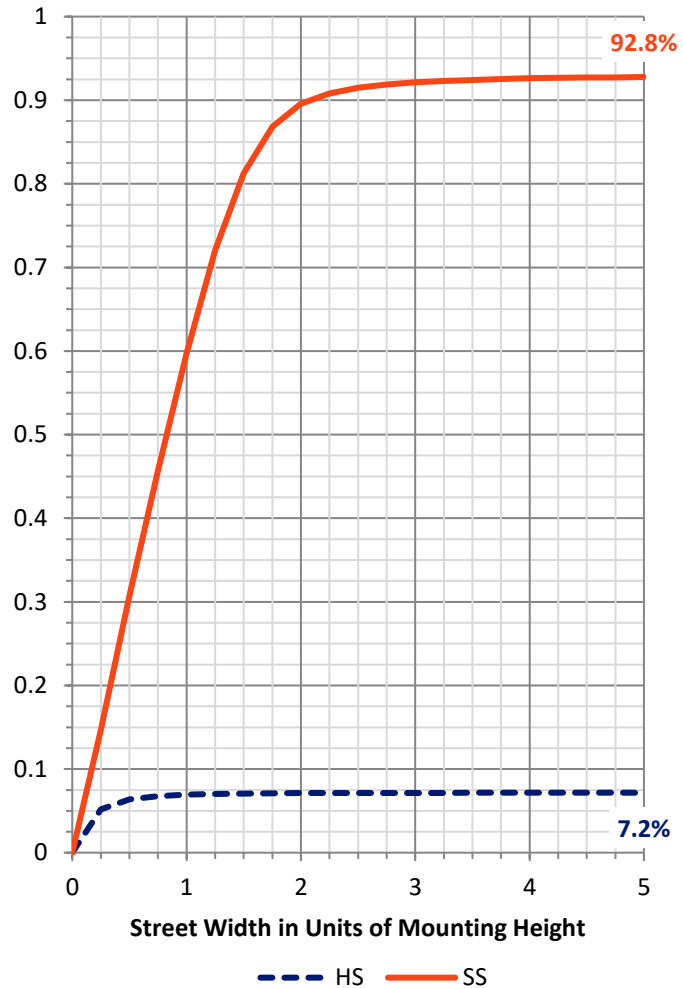
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	328.0	0.0	328.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4214.1	0.0	4214.1
	% Fixture	92.8	0.0	92.8
Total	Lumens	4542.1	0.0	4542.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.1
10°-20°	148.0	3.3
20°-30°	254.4	5.6
30°-40°	442.3	9.7
40°-50°	771.8	17.0
50°-60°	1164.1	25.6
60°-70°	1167.3	25.7
70°-80°	515.0	11.3
80°-90°	27.5	0.6
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°	4542.1	100.0
0°-180°	4542.1	100.0

Coefficient of Utilization

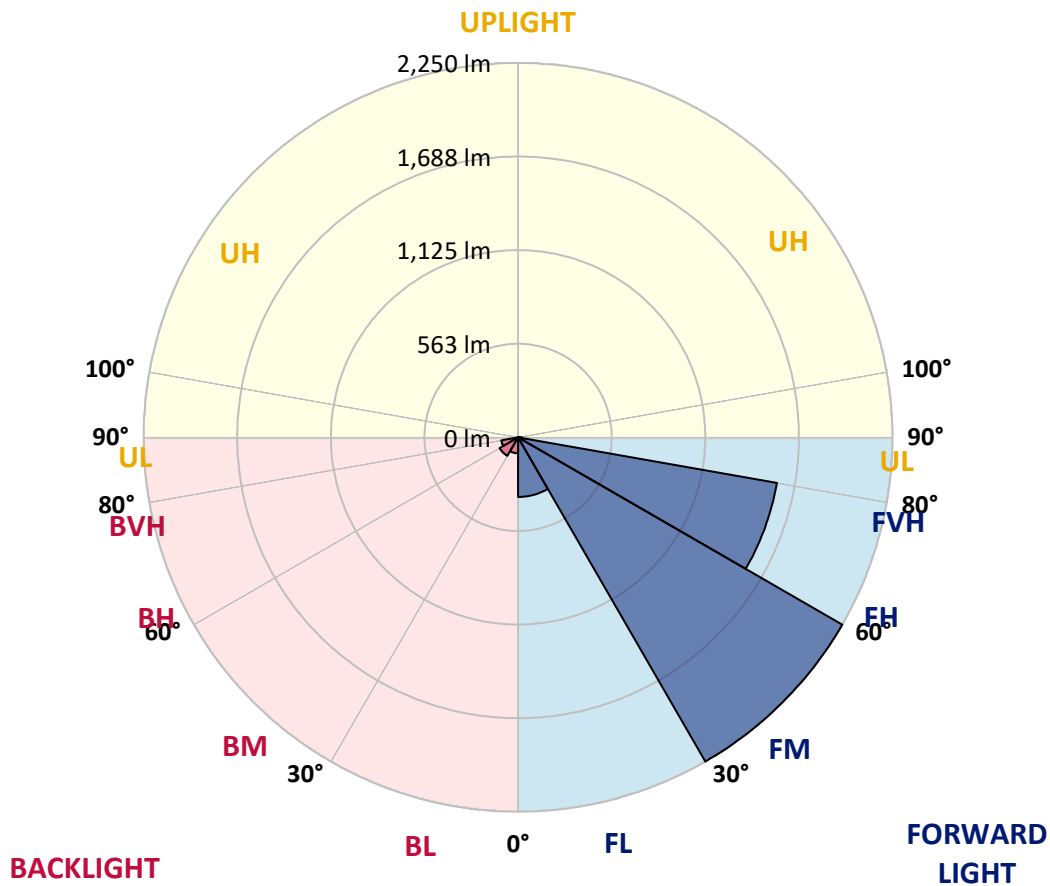


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.1	7.9			
FM (30°-60°)	2250.1	49.5			
FH (60°-80°)	1580.0	34.8			G1/1800
FVH (80°-90°)	26.0	0.6			G1/100
BL (0°-30°)	96.0	2.1	B0/110		
BM (30°-60°)	128.1	2.8	B0/220		
BH (60°-80°)	102.4	2.3	B0/110		G0/110
BVH (80°-90°)	1.6	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°	68°	75°	85°
0°	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6
2.5°	615.5	619.4	615.5	616.4	605.1	599.9	588.6	572.9	569.0	559.0	543.8
5°	690.7	694.2	690.3	689.4	676.4	666.8	648.1	621.2	613.3	593.8	563.8
7.5°	731.6	733.8	735.1	737.2	732.5	724.6	707.7	674.2	665.9	634.2	592.0
10°	735.9	737.7	744.2	757.2	766.8	771.6	762.0	731.2	718.1	687.2	626.8
12.5°	723.8	726.4	736.8	758.5	785.1	809.4	815.5	788.5	776.8	737.2	667.7
15°	707.7	709.9	724.2	753.8	793.7	838.5	863.7	852.0	839.0	797.7	712.9
17.5°	682.9	685.9	705.9	745.9	797.7	861.6	915.9	919.8	910.7	865.9	762.9
20°	669.0	671.2	689.0	730.3	795.1	878.5	964.6	1001.5	991.5	944.6	820.3
22.5°	680.7	682.5	694.2	726.4	786.4	888.1	1009.8	1083.3	1077.6	1028.9	880.7
25°	742.5	748.1	741.1	746.8	790.3	893.3	1046.3	1165.0	1166.3	1117.2	943.3
27.5°	867.6	860.3	843.7	815.5	820.7	907.2	1077.6	1241.9	1253.2	1203.2	998.9
30°	995.0	990.7	980.7	936.8	900.2	938.1	1104.1	1320.6	1338.4	1288.0	1048.5
32.5°	1138.0	1142.4	1124.5	1071.9	1009.8	1000.7	1131.5	1395.4	1428.8	1384.1	1106.7
35°	1308.9	1310.2	1275.0	1216.7	1146.3	1104.1	1180.6	1478.0	1539.7	1506.6	1184.5
37.5°	1475.3	1483.2	1464.0	1372.3	1309.7	1232.8	1261.9	1584.0	1671.0	1657.9	1282.3
40°	1622.7	1634.9	1628.8	1540.1	1458.0	1393.2	1388.0	1708.3	1829.6	1844.4	1411.4
42.5°	1740.1	1747.9	1752.7	1689.6	1617.1	1580.5	1543.6	1852.7	2017.0	2077.4	1569.7
45°	1864.0	1866.6	1876.6	1834.0	1770.5	1773.5	1727.5	2027.8	2214.3	2335.6	1751.4
47.5°	2021.8	2030.4	2025.7	1980.9	1923.5	1957.9	1917.4	2208.2	2409.1	2611.2	1937.4
50°	2213.9	2223.0	2218.7	2166.5	2102.6	2116.9	2091.7	2383.4	2596.8	2871.1	2092.2
52.5°	2313.0	2320.4	2374.3	2397.8	2364.3	2273.0	2240.4	2576.0	2755.5	3085.0	2234.3
55°	2265.2	2270.4	2387.8	2486.9	2609.5	2518.2	2389.9	2724.6	2895.5	3251.9	2339.9
57.5°	2067.0	2095.2	2254.7	2422.5	2680.3	2760.3	2632.5	2886.4	3030.2	3368.0	2443.8
60°	1660.5	1659.2	1887.9	2189.1	2542.1	2826.8	2975.0	3105.0	3165.4	3457.1	2582.9
62.5°	917.6	925.9	1230.2	1627.1	2157.8	2654.7	3231.9	3482.7	3473.6	3612.7	2800.7
65°	456.9	473.4	638.6	932.0	1435.8	2193.9	3276.3	4059.1	4033.1	3979.2	3250.6
67.5°	289.9	296.5	387.7	541.6	798.1	1410.1	3000.2	4489.1	4549.5	4413.9	3697.1
70°	187.8	198.7	269.5	370.4	481.6	726.8	2197.8	4210.4	4349.1	4366.0	3418.8
72.5°	102.2	110.0	172.1	264.3	347.8	363.4	1234.5	3159.8	3382.8	3703.6	2674.7
75°	58.2	63.9	94.3	179.5	255.2	221.3	547.3	2115.2	2257.4	2646.8	1916.6
77.5°	35.2	40.0	53.0	87.4	160.0	147.8	206.9	1287.6	1378.0	1579.2	1005.9
80°	16.1	19.1	33.5	48.3	87.4	70.0	79.1	600.3	619.9	648.1	333.0
82.5°	7.4	8.7	15.2	28.7	49.6	40.4	30.4	138.7	195.2	184.7	84.8
85°	0.9	0.9	5.7	11.7	13.9	10.4	12.6	31.3	39.6	55.6	24.3
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	2.6	3.9	5.7	9.1	6.1
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°	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6
2.5°	536.8	524.7	513.8	497.7	486.9	474.7	466.4	456.4	452.5	449.5	445.1
5°	549.0	529.5	502.9	473.4	449.0	426.0	404.7	390.8	378.6	376.9	370.8
7.5°	569.0	539.9	495.1	446.9	405.6	367.3	337.3	313.0	300.8	296.9	289.9
10°	595.5	555.5	483.4	409.5	349.9	304.3	270.4	243.0	223.9	216.9	211.7
12.5°	625.1	569.9	464.7	363.4	295.6	243.4	200.4	171.3	159.1	154.8	150.8
15°	659.0	583.4	435.1	317.3	242.6	179.1	148.7	136.1	130.8	129.5	128.2
17.5°	691.6	592.0	399.9	269.5	186.5	139.1	124.8	120.0	118.7	117.4	116.5
20°	728.5	598.1	358.6	224.3	144.8	117.8	110.8	107.4	104.8	102.2	101.7
22.5°	766.4	598.1	313.8	180.0	121.3	105.6	97.8	91.3	86.5	83.9	83.0
25°	802.4	589.9	269.5	143.9	106.9	93.9	83.9	76.5	70.0	66.9	66.1
27.5°	828.1	568.6	230.8	121.7	96.9	83.5	71.3	63.0	57.8	54.8	54.3
30°	844.2	536.8	195.2	108.7	88.2	72.6	60.4	53.5	49.6	47.4	46.5
32.5°	856.3	497.7	163.4	99.5	80.0	63.0	52.6	46.9	43.5	41.7	41.3
35°	880.7	460.8	140.0	91.3	71.3	55.2	46.1	41.7	39.1	36.9	36.5
37.5°	914.6	429.9	121.3	83.9	63.0	49.1	41.7	37.8	35.6	33.5	33.0
40°	964.6	410.3	107.4	76.5	55.6	44.3	38.3	34.8	31.7	29.6	29.1
42.5°	1041.5	401.2	98.2	69.1	49.1	40.0	35.2	30.9	27.8	25.6	25.2
45°	1133.2	406.0	90.4	61.7	44.8	36.9	31.3	27.0	23.9	21.7	21.3
47.5°	1231.5	423.0	83.9	54.8	40.4	33.9	27.8	23.0	20.4	18.3	17.8
50°	1334.1	450.8	78.2	48.3	36.9	30.4	23.9	20.0	17.4	15.6	15.2
52.5°	1423.2	488.6	72.6	43.5	33.9	27.0	20.9	17.4	14.8	13.0	12.6
55°	1508.4	524.2	68.2	39.1	30.4	23.5	18.3	14.8	12.6	10.9	10.4
57.5°	1601.0	562.1	63.0	35.2	27.4	20.9	16.1	12.6	10.9	9.1	8.7
60°	1735.7	618.1	55.2	32.2	23.9	18.3	13.9	11.3	9.6	7.4	7.0
62.5°	1930.0	720.3	46.5	27.8	20.4	15.6	11.7	9.6	7.8	6.1	5.2
65°	2293.4	894.2	38.3	23.0	16.5	13.0	10.0	7.8	6.1	4.3	3.9
67.5°	2555.1	939.4	30.9	18.7	13.5	10.0	8.3	6.1	4.3	3.0	2.6
70°	2233.9	674.6	23.9	15.2	11.3	7.8	6.5	4.8	3.0	2.2	1.7
72.5°	1683.1	440.8	17.8	11.7	8.7	6.5	4.8	3.9	2.6	1.7	1.3
75°	1186.3	254.7	13.0	8.7	6.1	4.8	3.9	3.0	2.2	1.3	1.3
77.5°	608.1	105.2	9.1	6.1	4.3	3.0	2.6	1.7	1.7	1.3	0.9
80°	184.7	34.8	5.2	3.9	3.0	2.2	1.3	1.3	1.3	0.9	0.4
82.5°	42.2	11.3	3.0	3.0	2.2	1.7	1.3	0.4	0.4	0.0	0.0
85°	10.9	3.5	2.6	2.2	2.2	1.7	0.9	0.4	0.0	0.0	0.0
87.5°	3.9	2.2	2.2	2.2	1.7	1.3	0.9	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)