

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: P632440

Luminaire Tested: GWS-SA2C-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632440
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-SA2C-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6994.4 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

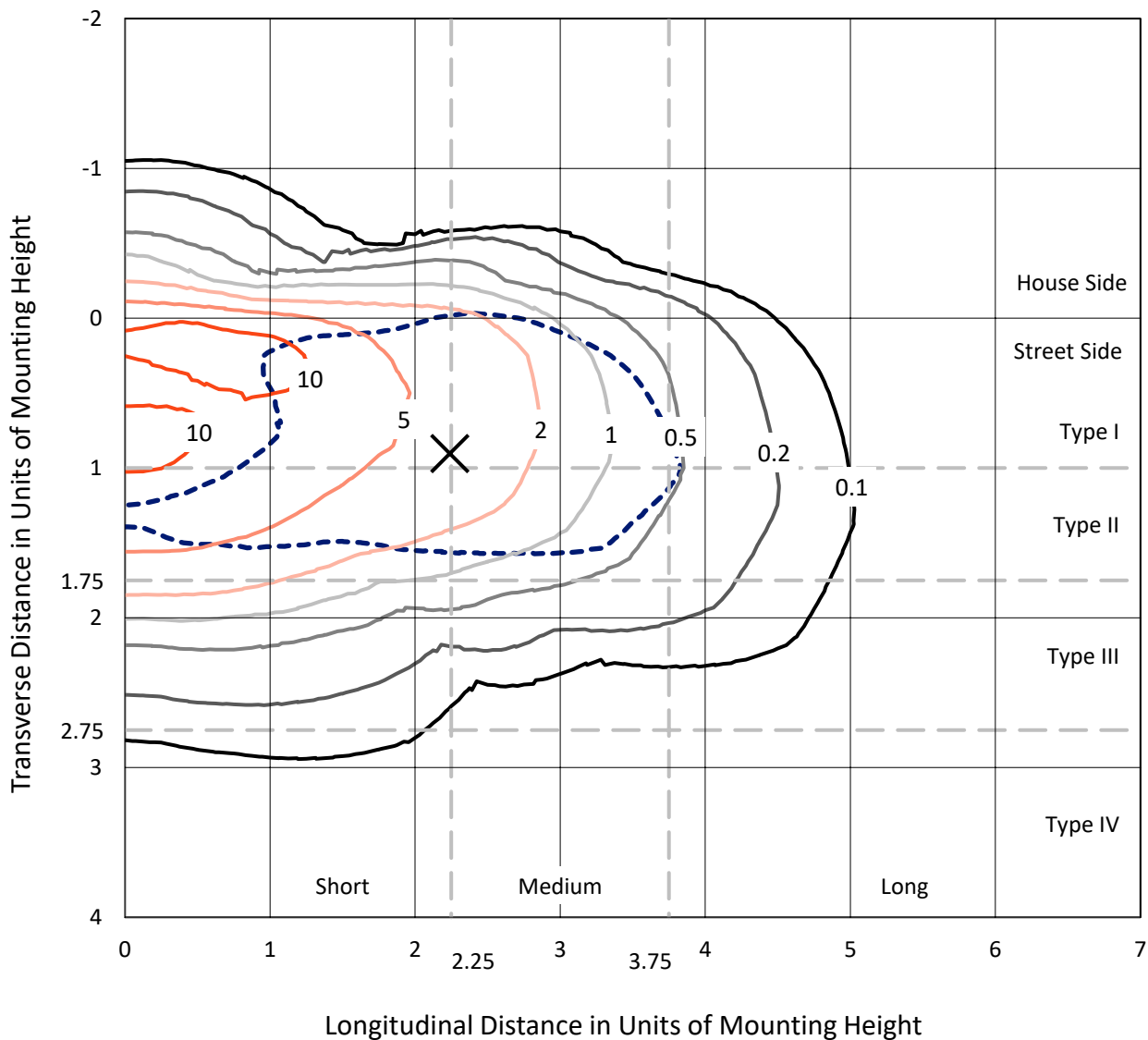
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

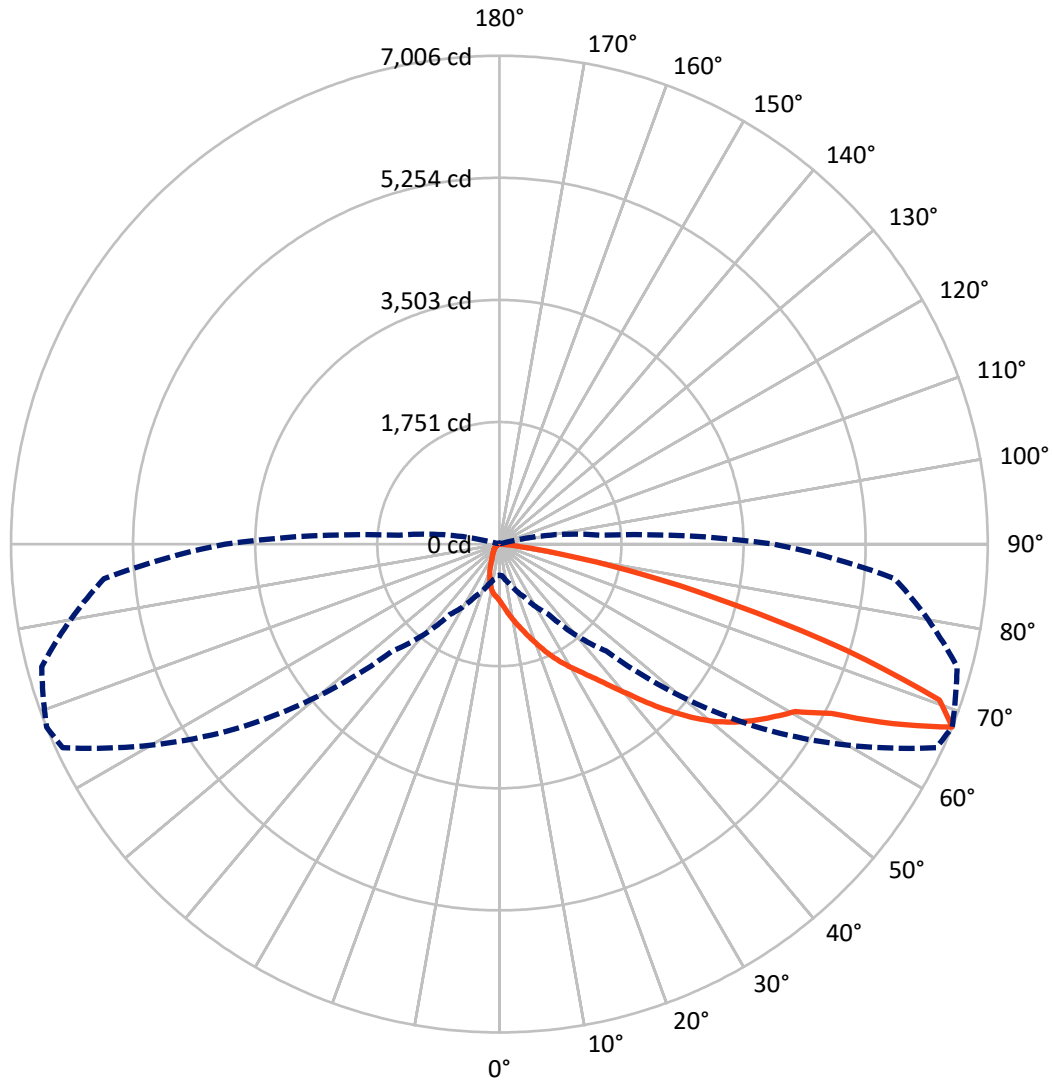
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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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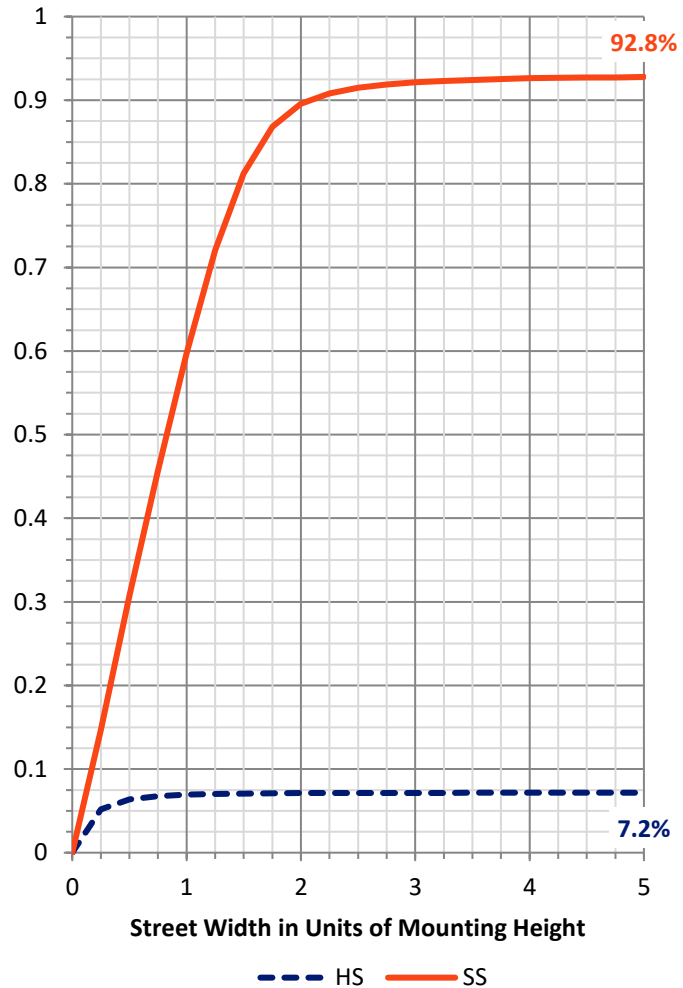
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	505.1	0.0	505.1
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	6489.3	0.0	6489.3
	% Fixture	92.8	0.0	92.8
Total	Lumens	6994.4	0.0	6994.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.1
10°-20°	228.0	3.3
20°-30°	391.8	5.6
30°-40°	681.1	9.7
40°-50°	1188.5	17.0
50°-60°	1792.6	25.6
60°-70°	1797.5	25.7
70°-80°	793.1	11.3
80°-90°	42.4	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°	6994.4	100.0
0°-180°	6994.4	100.0

Coefficient of Utilization



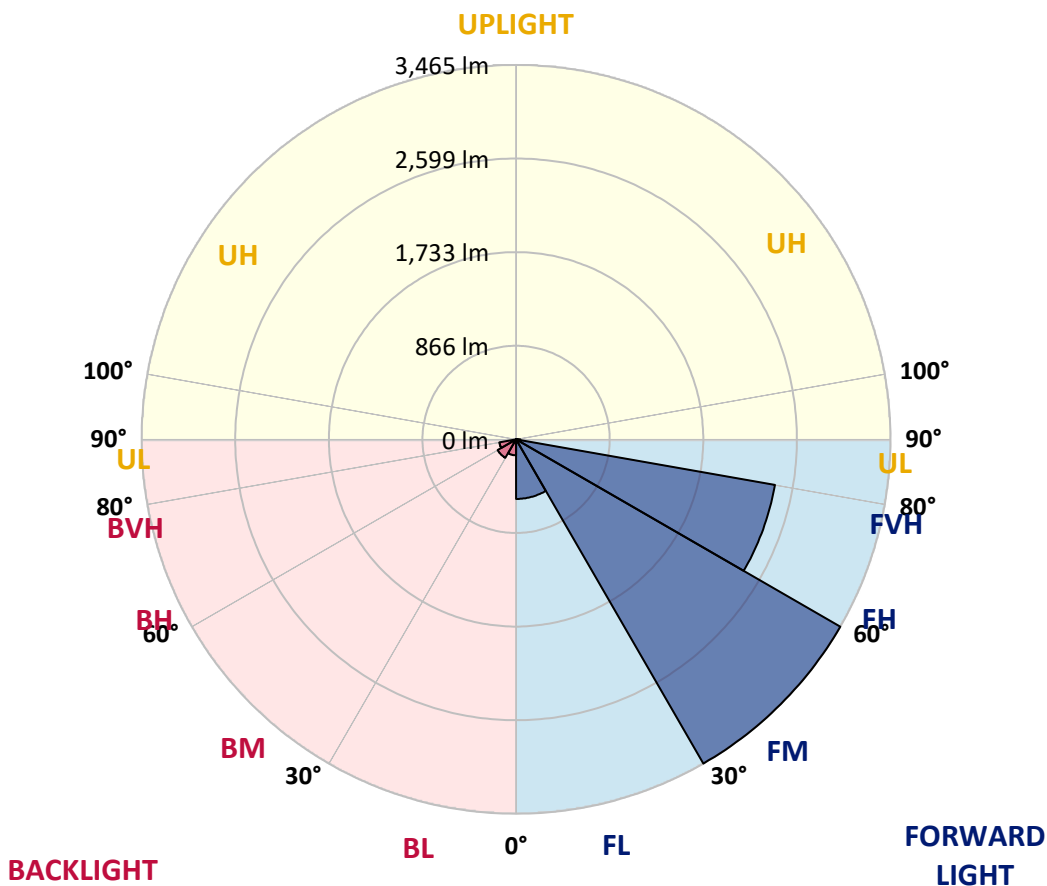
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.4	7.9			
FM (30°-60°)	3465.0	49.5			
FH (60°-80°)	2433.0	34.8			G2/5000
FVH (80°-90°)	40.0	0.6			G1/100
BL (0°-30°)	147.8	2.1	B1/500		
BM (30°-60°)	197.3	2.8	B0/220		
BH (60°-80°)	157.6	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0
2.5°	947.8	953.9	947.8	949.2	931.8	923.7	906.3	882.2	876.2	860.8	837.4
5°	1063.7	1069.0	1063.0	1061.6	1041.6	1026.8	998.1	956.5	944.5	914.4	868.2
7.5°	1126.6	1129.9	1131.9	1135.3	1127.9	1115.9	1089.8	1038.2	1025.5	976.6	911.7
10°	1133.3	1135.9	1146.0	1166.1	1180.8	1188.2	1173.4	1125.9	1105.8	1058.3	965.3
12.5°	1114.5	1118.5	1134.6	1168.1	1208.9	1246.4	1255.8	1214.3	1196.2	1135.3	1028.2
15°	1089.8	1093.1	1115.2	1160.7	1222.3	1291.2	1330.1	1312.0	1291.9	1228.3	1097.8
17.5°	1051.6	1056.3	1087.1	1148.7	1228.3	1326.7	1410.4	1416.4	1402.4	1333.4	1174.8
20°	1030.2	1033.5	1061.0	1124.6	1224.3	1352.8	1485.4	1542.3	1526.9	1454.6	1263.1
22.5°	1048.3	1050.9	1069.0	1118.5	1210.9	1367.6	1555.0	1668.1	1659.4	1584.4	1356.2
25°	1143.3	1152.0	1141.3	1150.0	1216.9	1375.6	1611.2	1793.9	1796.0	1720.3	1452.6
27.5°	1336.1	1324.7	1299.3	1255.8	1263.8	1397.0	1659.4	1912.4	1929.8	1852.9	1538.2
30°	1532.2	1525.5	1510.1	1442.5	1386.3	1444.5	1700.2	2033.6	2061.0	1983.4	1614.6
32.5°	1752.4	1759.1	1731.7	1650.7	1555.0	1540.9	1742.4	2148.7	2200.3	2131.3	1704.3
35°	2015.5	2017.5	1963.3	1873.6	1765.2	1700.2	1818.0	2275.9	2371.0	2320.1	1824.1
37.5°	2271.9	2283.9	2254.5	2113.2	2016.9	1898.4	1943.2	2439.2	2573.1	2553.0	1974.7
40°	2498.8	2517.6	2508.2	2371.6	2245.1	2145.4	2137.3	2630.7	2817.4	2840.2	2173.5
42.5°	2679.5	2691.6	2699.0	2601.9	2490.1	2433.9	2377.0	2852.9	3105.9	3199.0	2417.1
45°	2870.3	2874.3	2889.7	2824.1	2726.4	2731.1	2660.1	3122.7	3409.8	3596.6	2696.9
47.5°	3113.3	3126.7	3119.3	3050.4	2962.0	3014.9	2952.7	3400.5	3709.7	4021.0	2983.4
50°	3409.2	3423.2	3416.5	3336.2	3237.8	3259.9	3221.1	3670.2	3998.9	4421.3	3221.7
52.5°	3561.8	3573.2	3656.2	3692.3	3640.8	3500.2	3450.0	3966.8	4243.2	4750.6	3440.6
55°	3488.2	3496.2	3676.9	3829.5	4018.3	3877.7	3680.3	4195.7	4458.8	5007.7	3603.3
57.5°	3182.9	3226.4	3472.1	3730.5	4127.4	4250.6	4053.8	4444.7	4666.3	5186.4	3763.3
60°	2557.0	2555.0	2907.1	3371.0	3914.6	4353.0	4581.3	4781.4	4874.5	5323.6	3977.5
62.5°	1413.1	1425.8	1894.4	2505.5	3322.8	4087.9	4976.9	5363.1	5349.0	5563.2	4312.8
65°	703.5	729.0	983.3	1435.2	2211.0	3378.4	5045.1	6250.7	6210.5	6127.5	5005.6
67.5°	446.5	456.5	597.1	834.1	1229.0	2171.5	4620.1	6912.7	7005.8	6796.9	5693.1
70°	289.2	305.9	415.0	570.3	741.7	1119.2	3384.4	6483.6	6697.2	6723.3	5264.7
72.5°	157.3	169.4	265.1	407.0	535.5	559.6	1901.0	4865.7	5209.1	5703.1	4118.7
75°	89.7	98.4	145.3	276.5	392.9	340.7	842.8	3257.2	3476.1	4075.9	2951.3
77.5°	54.2	61.6	81.7	134.5	246.3	227.6	318.6	1982.7	2121.9	2431.9	1549.0
80°	24.8	29.5	51.5	74.3	134.5	107.8	121.8	924.4	954.5	998.1	512.7
82.5°	11.4	13.4	23.4	44.2	76.3	62.3	46.9	213.5	300.6	284.5	130.5
85°	1.3	1.3	8.7	18.1	21.4	16.1	19.4	48.2	60.9	85.7	37.5
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	4.0	6.0	8.7	14.1	9.4
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°	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0	814.0
2.5°	826.7	807.9	791.2	766.4	749.7	731.0	718.2	702.9	696.8	692.1	685.4
5°	845.4	815.3	774.5	729.0	691.5	656.0	623.2	601.8	583.0	580.4	571.0
7.5°	876.2	831.4	762.4	688.1	624.5	565.6	519.4	482.0	463.2	457.2	446.5
10°	917.1	855.5	744.4	630.6	538.9	468.6	416.4	374.2	344.7	334.0	326.0
12.5°	962.6	877.6	715.6	559.6	455.2	374.9	308.6	263.7	245.0	238.3	232.3
15°	1014.8	898.3	670.1	488.6	373.5	275.8	228.9	209.5	201.5	199.5	197.5
17.5°	1065.0	911.7	615.8	415.0	287.2	214.2	192.1	184.7	182.7	180.7	179.4
20°	1121.9	921.1	552.2	345.4	222.9	181.4	170.7	165.3	161.3	157.3	156.6
22.5°	1180.1	921.1	483.3	277.1	186.8	162.7	150.6	140.6	133.2	129.2	127.9
25°	1235.7	908.4	415.0	221.6	164.7	144.6	129.2	117.8	107.8	103.1	101.7
27.5°	1275.2	875.6	355.4	187.4	149.3	128.5	109.8	97.1	89.0	84.3	83.7
30°	1299.9	826.7	300.6	167.3	135.9	111.8	93.0	82.3	76.3	73.0	71.6
32.5°	1318.7	766.4	251.7	153.3	123.2	97.1	81.0	72.3	66.9	64.3	63.6
35°	1356.2	709.5	215.5	140.6	109.8	85.0	71.0	64.3	60.2	56.9	56.2
37.5°	1408.4	662.0	186.8	129.2	97.1	75.6	64.3	58.2	54.9	51.5	50.9
40°	1485.4	631.9	165.3	117.8	85.7	68.3	58.9	53.6	48.9	45.5	44.8
42.5°	1603.8	617.8	151.3	106.4	75.6	61.6	54.2	47.5	42.8	39.5	38.8
45°	1745.1	625.2	139.2	95.1	68.9	56.9	48.2	41.5	36.8	33.5	32.8
47.5°	1896.4	651.3	129.2	84.3	62.3	52.2	42.8	35.5	31.5	28.1	27.4
50°	2054.3	694.2	120.5	74.3	56.9	46.9	36.8	30.8	26.8	24.1	23.4
52.5°	2191.6	752.4	111.8	66.9	52.2	41.5	32.1	26.8	22.8	20.1	19.4
55°	2322.8	807.3	105.1	60.2	46.9	36.1	28.1	22.8	19.4	16.7	16.1
57.5°	2465.3	865.5	97.1	54.2	42.2	32.1	24.8	19.4	16.7	14.1	13.4
60°	2672.8	951.9	85.0	49.5	36.8	28.1	21.4	17.4	14.7	11.4	10.7
62.5°	2972.1	1109.2	71.6	42.8	31.5	24.1	18.1	14.7	12.0	9.4	8.0
65°	3531.7	1376.9	58.9	35.5	25.4	20.1	15.4	12.0	9.4	6.7	6.0
67.5°	3934.6	1446.5	47.5	28.8	20.8	15.4	12.7	9.4	6.7	4.7	4.0
70°	3440.0	1038.9	36.8	23.4	17.4	12.0	10.0	7.4	4.7	3.3	2.7
72.5°	2591.9	678.8	27.4	18.1	13.4	10.0	7.4	6.0	4.0	2.7	2.0
75°	1826.7	392.3	20.1	13.4	9.4	7.4	6.0	4.7	3.3	2.0	2.0
77.5°	936.5	162.0	14.1	9.4	6.7	4.7	4.0	2.7	2.7	2.0	1.3
80°	284.5	53.6	8.0	6.0	4.7	3.3	2.0	2.0	2.0	1.3	0.7
82.5°	64.9	17.4	4.7	4.7	3.3	2.7	2.0	0.7	0.7	0.0	0.0
85°	16.7	5.4	4.0	3.3	3.3	2.7	1.3	0.7	0.0	0.0	0.0
87.5°	6.0	3.3	3.3	3.3	2.7	2.0	1.3	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)