

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: P634750

Luminaire Tested: GWS-SA3C-735-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634750
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-SA3C-735-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10305.8 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

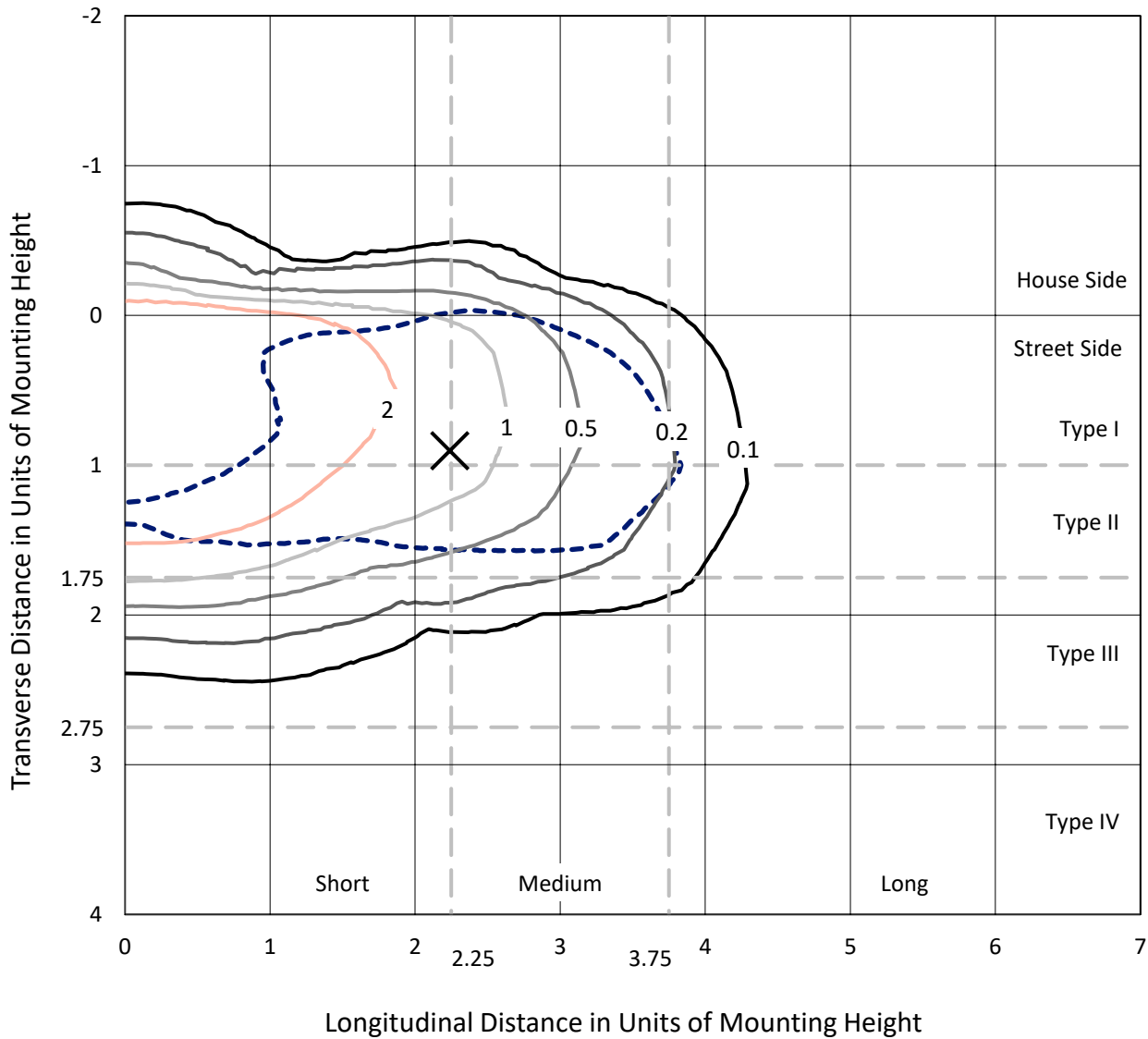
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

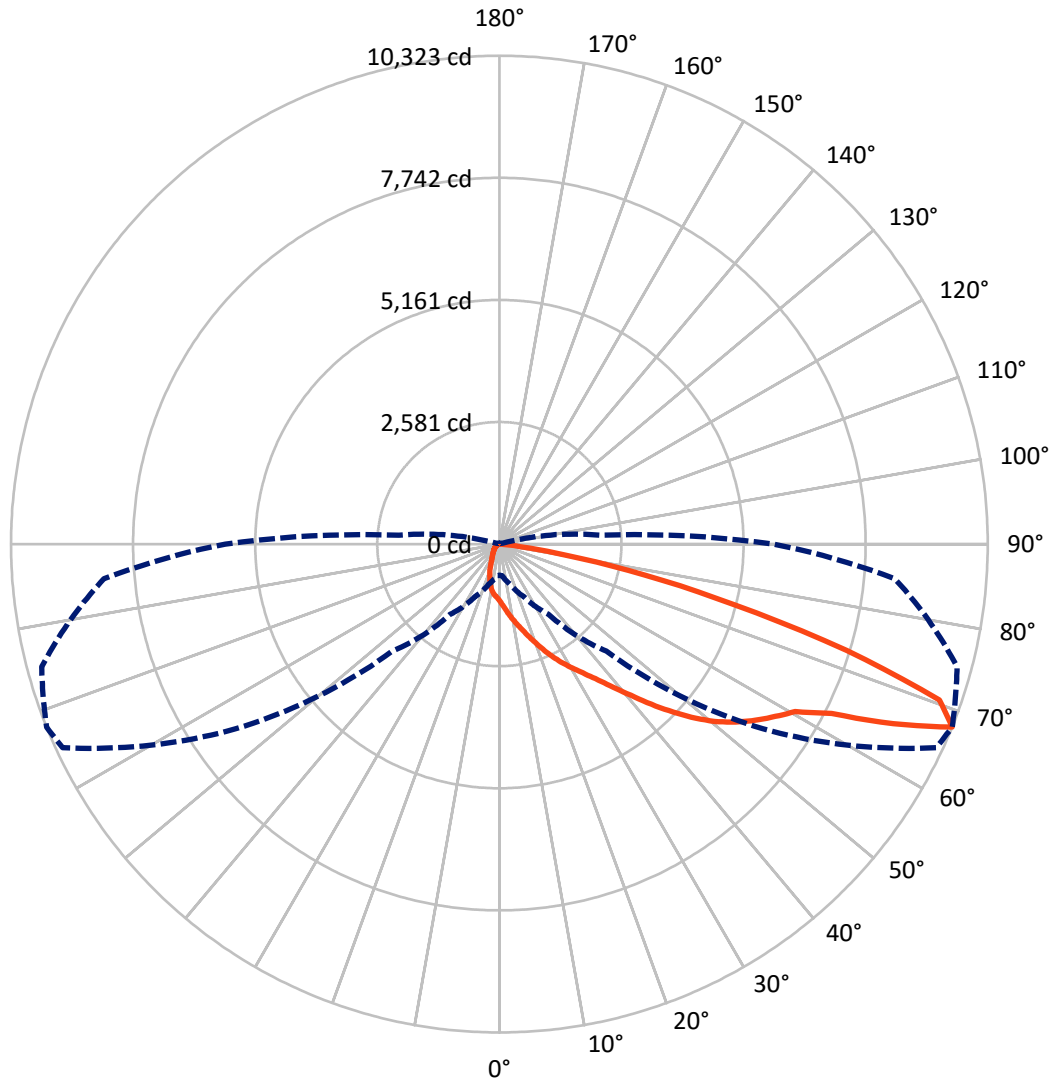
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 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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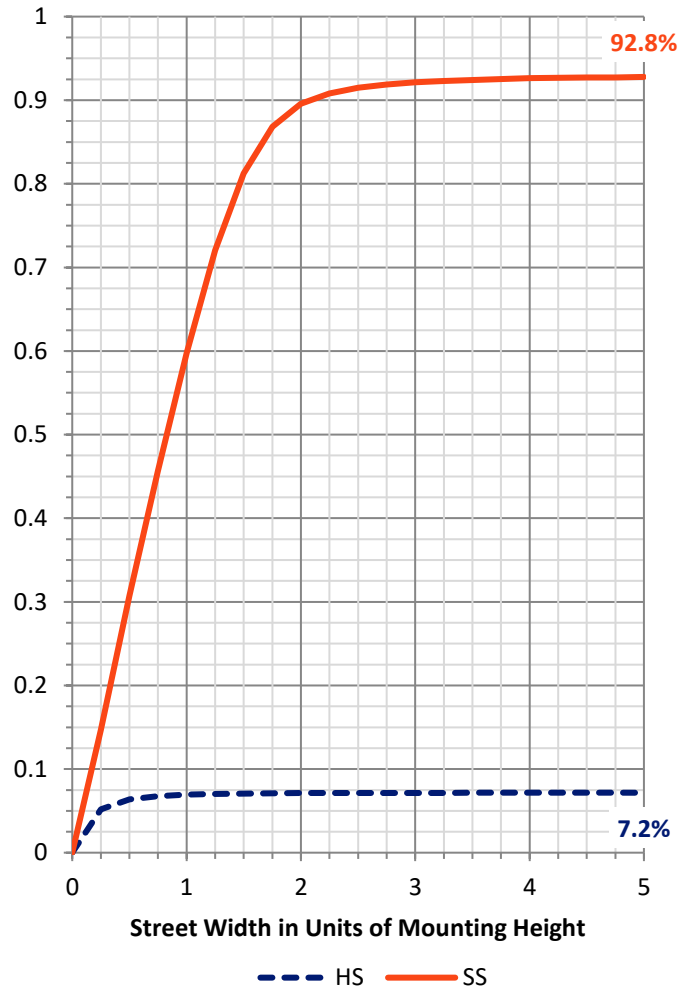
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.2	0.0	744.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	9561.6	0.0	9561.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	10305.8	0.0	10305.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	1.1
10°-20°	335.9	3.3
20°-30°	577.3	5.6
30°-40°	1003.6	9.7
40°-50°	1751.2	17.0
50°-60°	2641.3	25.6
60°-70°	2648.5	25.7
70°-80°	1168.5	11.3
80°-90°	62.4	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°	10305.8	100.0
0°-180°	10305.8	100.0

Coefficient of Utilization



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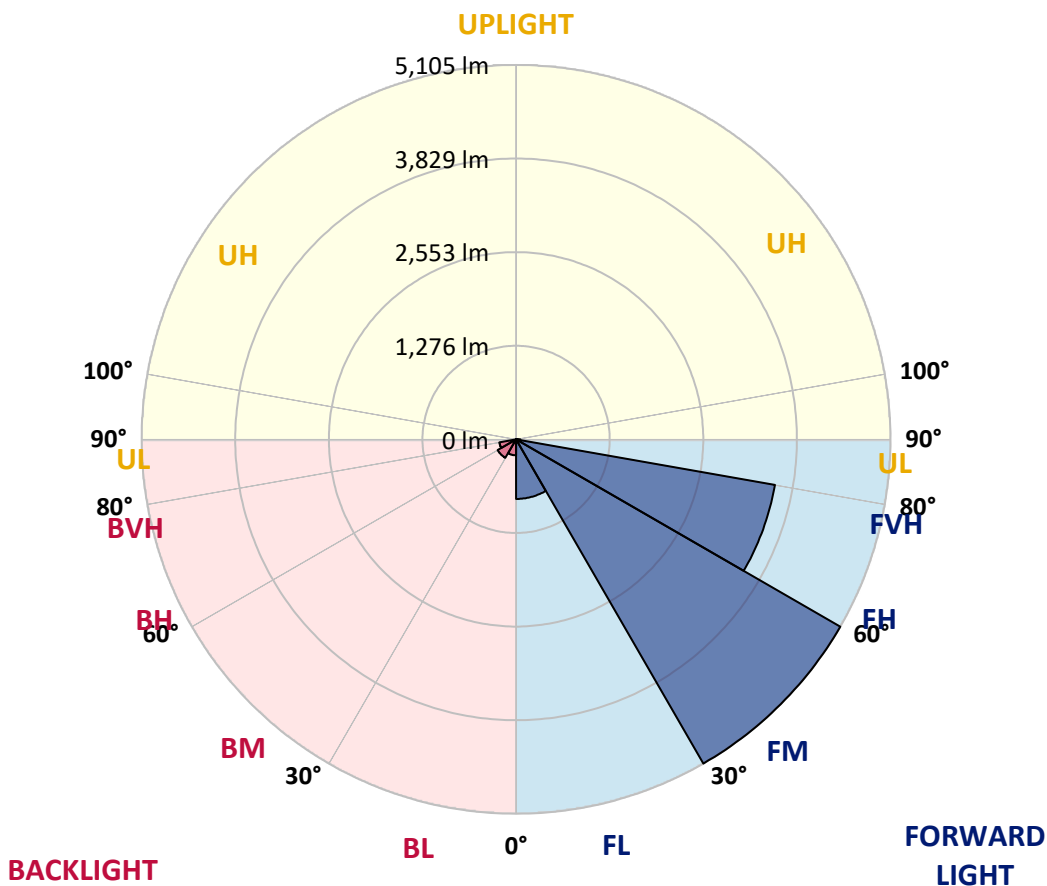
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.4	7.9			
FM (30°-60°)	5105.5	49.5			
FH (60°-80°)	3584.8	34.8			G2/5000
FVH (80°-90°)	58.9	0.6			G1/100
BL (0°-30°)	217.7	2.1	B1/500		
BM (30°-60°)	290.7	2.8	B1/1000		
BH (60°-80°)	232.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	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°	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3
2.5°	1396.6	1405.5	1396.6	1398.6	1372.9	1361.1	1335.4	1299.9	1291.1	1268.4	1233.9
5°	1567.2	1575.1	1566.2	1564.3	1534.7	1513.0	1470.6	1409.4	1391.7	1347.3	1279.2
7.5°	1659.9	1664.9	1667.8	1672.8	1661.9	1644.2	1605.7	1529.7	1511.0	1439.0	1343.3
10°	1669.8	1673.7	1688.5	1718.1	1739.8	1750.7	1729.0	1658.9	1629.4	1559.3	1422.2
12.5°	1642.2	1648.1	1671.8	1721.1	1781.2	1836.5	1850.3	1789.1	1762.5	1672.8	1514.9
15°	1605.7	1610.6	1643.2	1710.2	1801.0	1902.6	1959.8	1933.1	1903.5	1809.8	1617.5
17.5°	1549.5	1556.4	1601.7	1692.5	1809.8	1954.8	2078.1	2087.0	2066.3	1964.7	1730.9
20°	1517.9	1522.8	1563.3	1657.0	1803.9	1993.3	2188.6	2272.4	2249.7	2143.2	1861.1
22.5°	1544.5	1548.5	1575.1	1648.1	1784.2	2015.0	2291.2	2457.8	2445.0	2334.6	1998.2
25°	1684.6	1697.4	1681.6	1694.5	1793.1	2026.8	2374.0	2643.3	2646.2	2534.8	2140.3
27.5°	1968.6	1951.9	1914.4	1850.3	1862.1	2058.4	2445.0	2817.8	2843.5	2730.1	2266.5
30°	2257.6	2247.8	2225.1	2125.5	2042.6	2128.4	2505.2	2996.4	3036.8	2922.4	2378.9
32.5°	2582.1	2592.0	2551.5	2432.2	2291.2	2270.4	2567.3	3166.0	3241.9	3140.4	2511.1
35°	2969.7	2972.7	2892.8	2760.6	2600.9	2505.2	2678.8	3353.4	3493.5	3418.5	2687.7
37.5°	3347.5	3365.2	3321.8	3113.7	2971.7	2797.1	2863.2	3594.1	3791.3	3761.7	2909.6
40°	3681.8	3709.5	3695.6	3494.4	3308.0	3161.1	3149.2	3876.1	4151.3	4184.8	3202.5
42.5°	3948.1	3965.9	3976.7	3833.7	3669.0	3586.2	3502.3	4203.6	4576.4	4713.5	3561.5
45°	4229.2	4235.1	4257.8	4161.2	4017.2	4024.1	3919.5	4601.1	5024.2	5299.4	3973.8
47.5°	4587.3	4607.0	4596.1	4494.5	4364.3	4442.3	4350.5	5010.4	5466.0	5924.7	4395.9
50°	5023.2	5043.9	5034.0	4915.7	4770.7	4803.3	4746.0	5407.8	5892.1	6514.5	4747.0
52.5°	5248.1	5264.8	5387.1	5440.4	5364.5	5157.3	5083.4	5844.8	6252.1	6999.7	5069.5
55°	5139.6	5151.4	5417.7	5642.6	5920.7	5713.6	5422.6	6182.1	6569.7	7378.5	5309.2
57.5°	4689.8	4753.9	5115.9	5496.6	6081.5	6263.0	5973.0	6549.0	6875.5	7641.8	5544.9
60°	3767.6	3764.7	4283.5	4967.0	5767.8	6413.9	6750.2	7045.1	7182.2	7844.0	5860.6
62.5°	2082.1	2100.8	2791.2	3691.7	4896.0	6023.3	7333.1	7902.2	7881.5	8197.1	6354.7
65°	1036.6	1074.1	1448.9	2114.6	3257.7	4977.8	7433.7	9210.0	9150.8	9028.5	7375.5
67.5°	657.9	672.7	879.8	1228.9	1810.8	3199.5	6807.4	10185.5	10322.5	10014.8	8388.4
70°	426.1	450.7	611.5	840.3	1092.8	1649.1	4986.7	9553.2	9867.9	9906.3	7757.2
72.5°	231.8	249.5	390.6	599.7	789.0	824.5	2801.1	7169.4	7675.3	8403.2	6068.7
75°	132.2	145.0	214.0	407.3	579.0	502.0	1241.7	4799.3	5121.8	6005.5	4348.6
77.5°	79.9	90.7	120.3	198.2	363.0	335.3	469.5	2921.4	3126.6	3583.2	2282.3
80°	36.5	43.4	75.9	109.5	198.2	158.8	179.5	1362.1	1406.5	1470.6	755.5
82.5°	16.8	19.7	34.5	65.1	112.4	91.7	69.0	314.6	442.8	419.2	192.3
85°	2.0	2.0	12.8	26.6	31.6	23.7	28.6	71.0	89.8	126.2	55.2
87.5°	0.0	0.0	1.0	1.0	2.0	3.0	5.9	8.9	12.8	20.7	13.8
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°	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3	1199.3
2.5°	1218.1	1190.5	1165.8	1129.3	1104.6	1077.0	1058.3	1035.6	1026.7	1019.8	1010.0
5°	1245.7	1201.3	1141.1	1074.1	1018.8	966.6	918.2	886.7	859.1	855.1	841.3
7.5°	1291.1	1225.0	1123.4	1013.9	920.2	833.4	765.4	710.1	682.5	673.6	657.9
10°	1351.2	1260.5	1096.8	929.1	794.0	690.4	613.5	551.3	507.9	492.2	480.3
12.5°	1418.3	1293.0	1054.3	824.5	670.7	552.3	454.7	388.6	361.0	351.1	342.2
15°	1495.2	1323.6	987.3	720.0	550.4	406.4	337.3	308.7	296.9	293.9	291.0
17.5°	1569.2	1343.3	907.4	611.5	423.1	315.6	283.1	272.2	269.3	266.3	264.3
20°	1653.0	1357.1	813.7	508.9	328.4	267.3	251.5	243.6	237.7	231.8	230.8
22.5°	1738.8	1357.1	712.1	408.3	275.2	239.7	221.9	207.1	196.3	190.4	188.4
25°	1820.7	1338.4	611.5	326.5	242.6	213.0	190.4	173.6	158.8	151.9	149.9
27.5°	1878.9	1290.1	523.7	276.2	219.9	189.4	161.8	143.0	131.2	124.3	123.3
30°	1915.4	1218.1	442.8	246.6	200.2	164.7	137.1	121.3	112.4	107.5	105.5
32.5°	1943.0	1129.3	370.8	225.9	181.5	143.0	119.3	106.5	98.6	94.7	93.7
35°	1998.2	1045.5	317.6	207.1	161.8	125.3	104.5	94.7	88.8	83.8	82.8
37.5°	2075.2	975.4	275.2	190.4	143.0	111.5	94.7	85.8	80.9	75.9	75.0
40°	2188.6	931.1	243.6	173.6	126.2	100.6	86.8	78.9	72.0	67.1	66.1
42.5°	2363.2	910.3	222.9	156.8	111.5	90.7	79.9	70.0	63.1	58.2	57.2
45°	2571.3	921.2	205.1	140.1	101.6	83.8	71.0	61.2	54.2	49.3	48.3
47.5°	2794.2	959.7	190.4	124.3	91.7	76.9	63.1	52.3	46.4	41.4	40.4
50°	3026.9	1022.8	177.5	109.5	83.8	69.0	54.2	45.4	39.5	35.5	34.5
52.5°	3229.1	1108.6	164.7	98.6	76.9	61.2	47.3	39.5	33.5	29.6	28.6
55°	3422.4	1189.5	154.8	88.8	69.0	53.3	41.4	33.5	28.6	24.7	23.7
57.5°	3632.5	1275.3	143.0	79.9	62.1	47.3	36.5	28.6	24.7	20.7	19.7
60°	3938.3	1402.5	125.3	73.0	54.2	41.4	31.6	25.6	21.7	16.8	15.8
62.5°	4379.1	1634.3	105.5	63.1	46.4	35.5	26.6	21.7	17.8	13.8	11.8
65°	5203.7	2028.8	86.8	52.3	37.5	29.6	22.7	17.8	13.8	9.9	8.9
67.5°	5797.4	2131.4	70.0	42.4	30.6	22.7	18.7	13.8	9.9	6.9	5.9
70°	5068.6	1530.7	54.2	34.5	25.6	17.8	14.8	10.8	6.9	4.9	3.9
72.5°	3818.9	1000.1	40.4	26.6	19.7	14.8	10.8	8.9	5.9	3.9	3.0
75°	2691.6	578.0	29.6	19.7	13.8	10.8	8.9	6.9	4.9	3.0	3.0
77.5°	1379.8	238.7	20.7	13.8	9.9	6.9	5.9	3.9	3.9	3.0	2.0
80°	419.2	78.9	11.8	8.9	6.9	4.9	3.0	3.0	3.0	2.0	1.0
82.5°	95.7	25.6	6.9	6.9	4.9	3.9	3.0	1.0	1.0	0.0	0.0
85°	24.7	7.9	5.9	4.9	4.9	3.9	2.0	1.0	0.0	0.0	0.0
87.5°	8.9	4.9	4.9	4.9	3.9	3.0	2.0	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)