

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: P636573

Luminaire Tested: GWS-SA4B-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7827.3 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

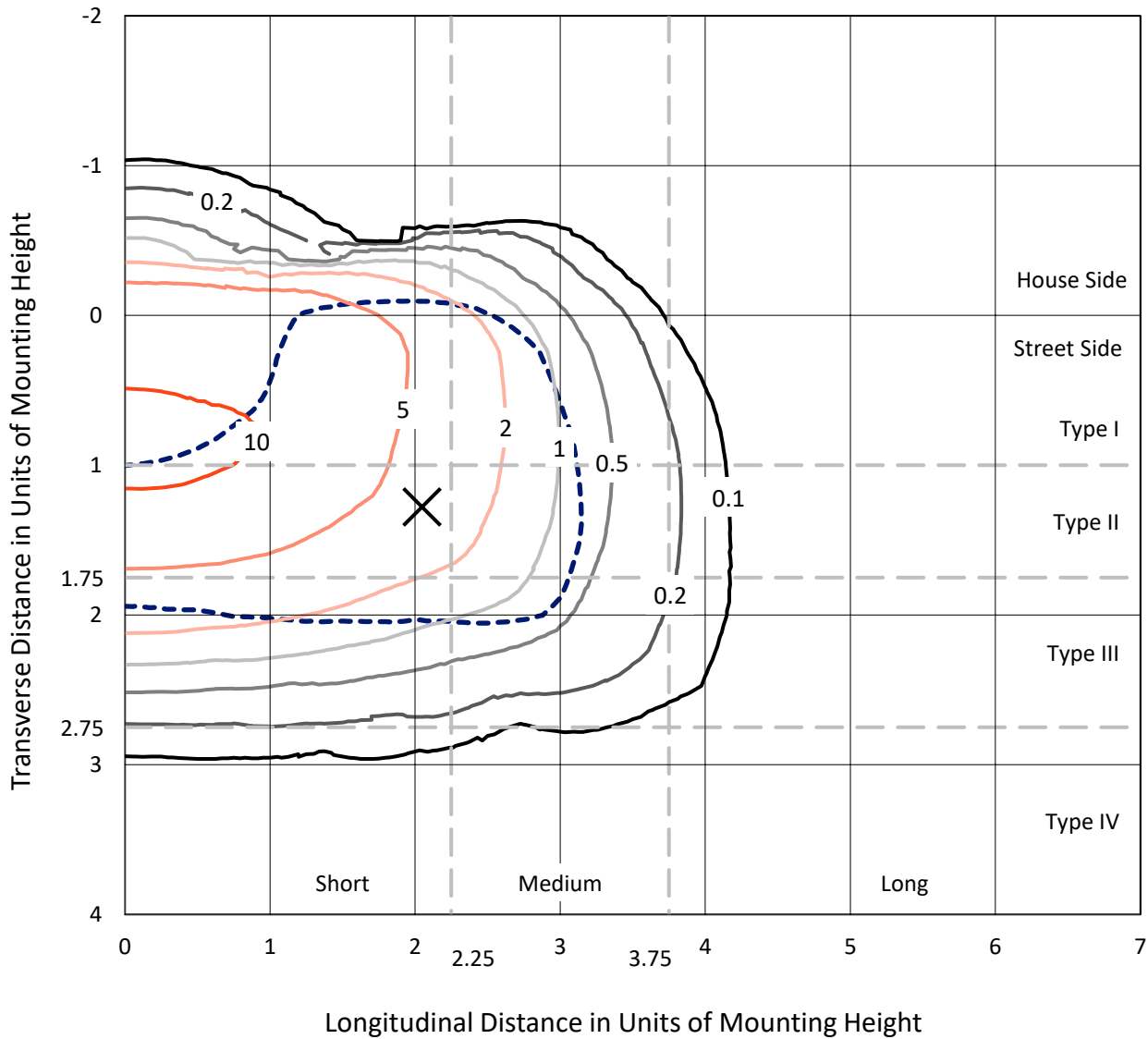
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

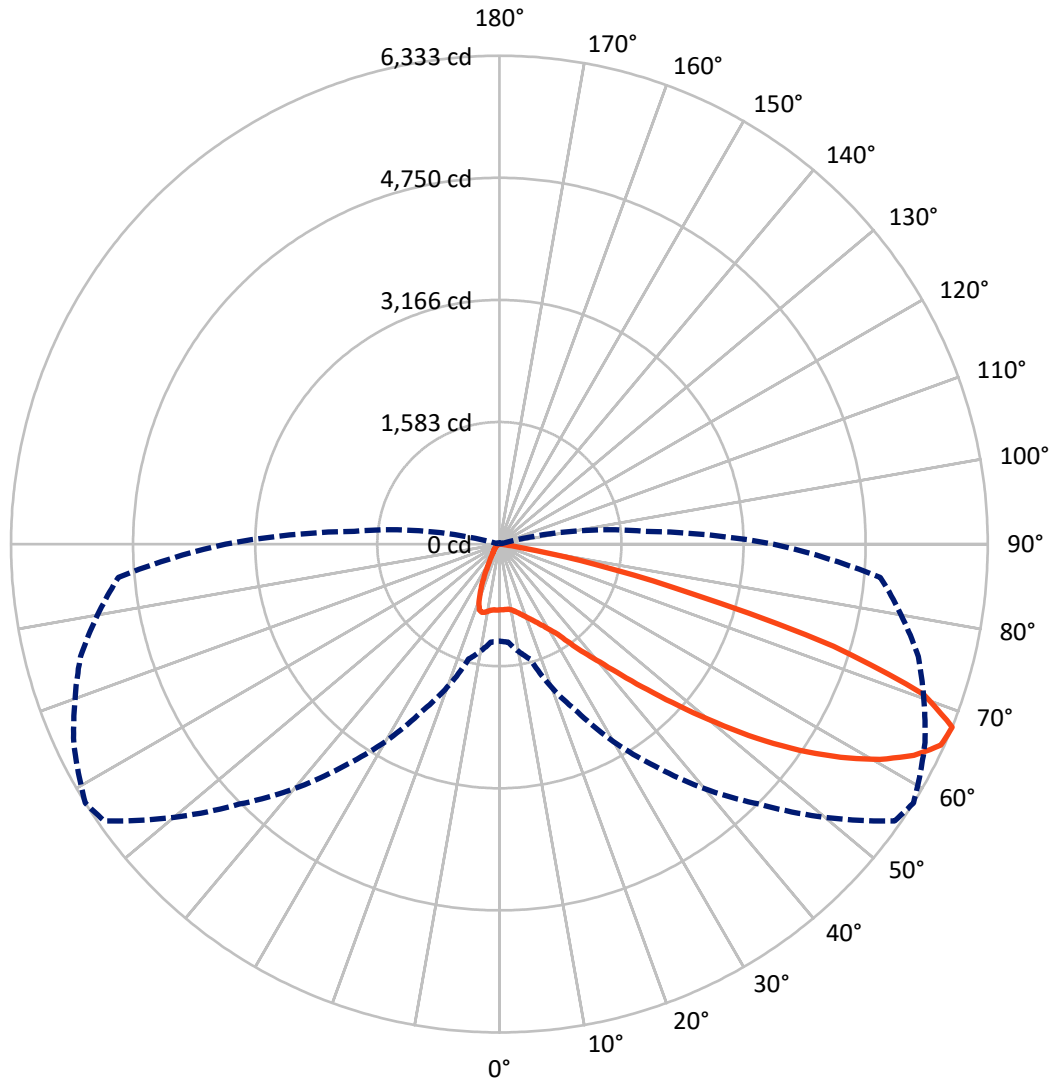
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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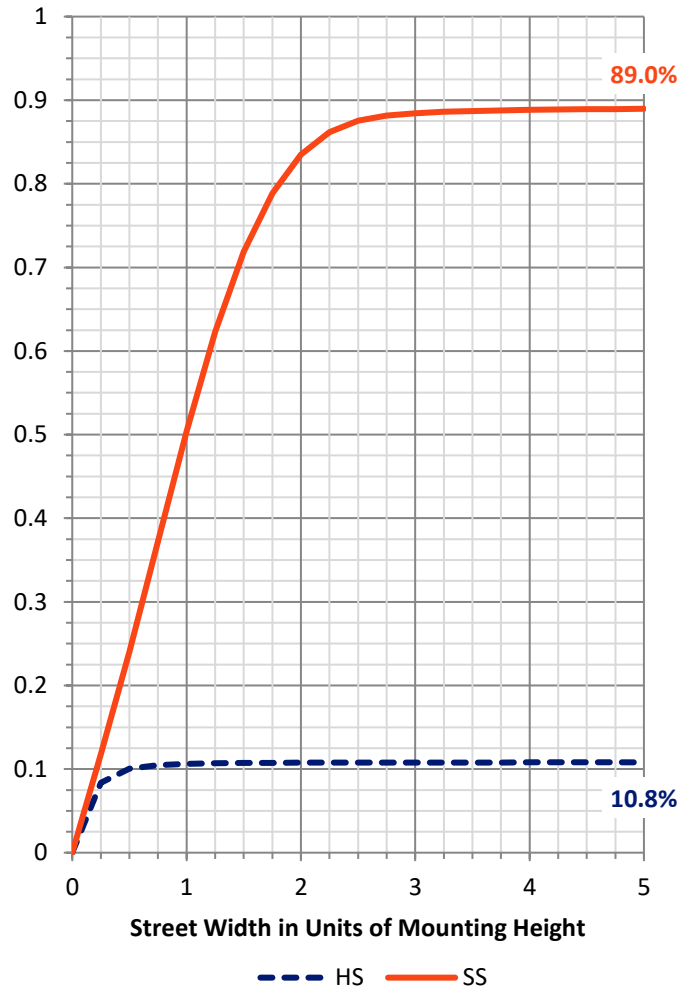
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	853.9	0.0	853.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6973.4	0.0	6973.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	7827.3	0.0	7827.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	1.0
10°-20°	225.0	2.9
20°-30°	392.7	5.0
30°-40°	701.3	9.0
40°-50°	1281.8	16.4
50°-60°	2131.8	27.2
60°-70°	2315.5	29.6
70°-80°	679.8	8.7
80°-90°	19.4	0.2
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°	7827.3	100.0
0°-180°	7827.3	100.0

Coefficient of Utilization



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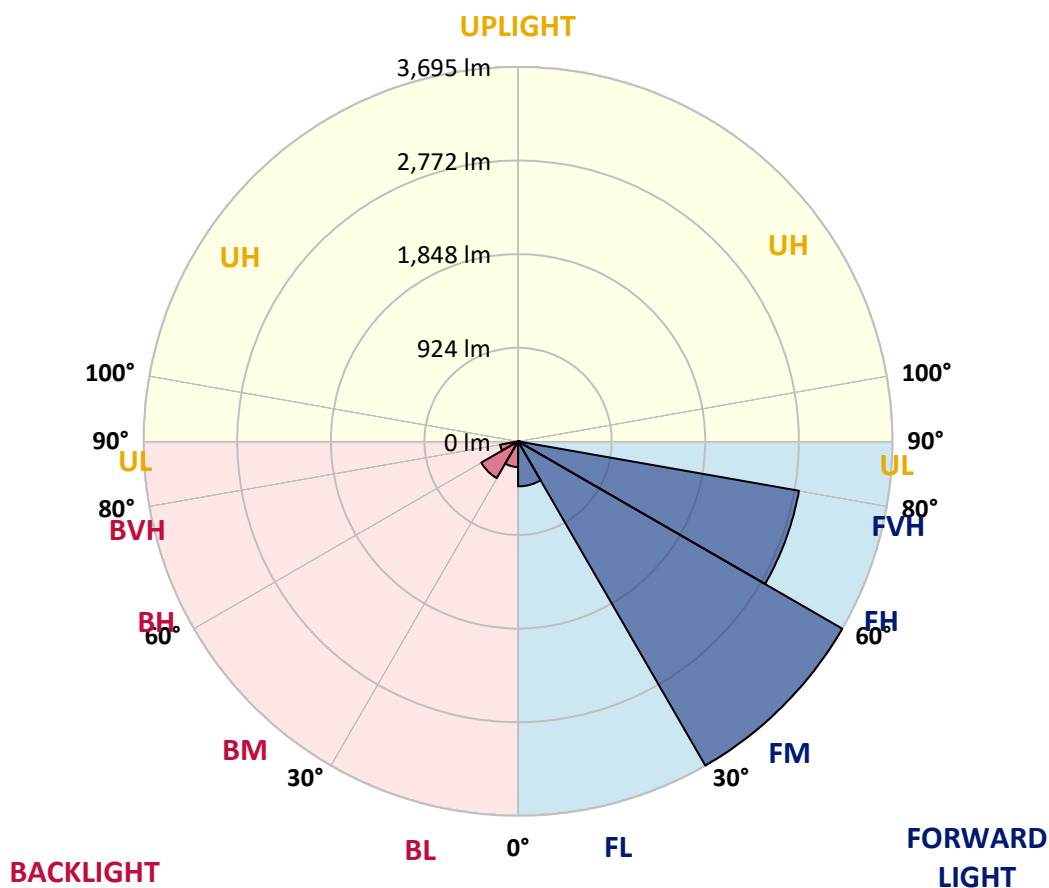
CATALOG NUMBER: GWS-SA4B-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.5	5.7			
FM (30°-60°)	3695.4	47.2			
FH (60°-80°)	2815.0	36.0			G2/5000
FVH (80°-90°)	18.4	0.2			G1/100
BL (0°-30°)	253.3	3.2	B1/500		
BM (30°-60°)	419.4	5.4	B1/1000		
BH (60°-80°)	180.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9
2.5°	836.9	835.4	835.4	841.5	842.2	845.3	852.2	852.9	856.8	855.2	849.9
5°	793.3	794.1	798.7	809.4	818.5	830.0	846.8	850.6	859.1	863.6	860.6
7.5°	752.8	753.6	760.5	777.3	794.9	817.8	845.3	852.9	869.8	882.0	882.7
10°	737.5	736.8	743.6	762.8	785.7	817.8	857.5	867.5	892.7	914.1	917.9
12.5°	742.1	741.4	748.2	765.8	791.0	831.5	878.9	892.7	924.8	957.6	964.5
15°	760.5	759.7	764.3	778.8	806.3	848.4	906.4	927.1	967.6	1007.3	1018.0
17.5°	815.5	811.7	807.1	808.6	824.7	868.2	941.6	966.8	1017.3	1064.6	1073.8
20°	913.3	903.4	891.2	875.1	867.5	897.3	982.1	1011.1	1072.3	1126.6	1128.1
22.5°	1060.8	1057.0	1028.7	982.1	949.2	950.0	1029.5	1063.1	1138.0	1197.6	1189.2
25°	1266.4	1264.1	1220.6	1144.1	1058.5	1029.5	1089.9	1124.3	1216.0	1279.4	1252.7
27.5°	1521.7	1505.6	1454.4	1351.3	1223.6	1132.7	1166.3	1196.9	1298.5	1358.1	1307.7
30°	1744.1	1744.9	1696.7	1588.9	1445.3	1287.8	1259.5	1286.3	1374.2	1436.9	1375.7
32.5°	1958.1	1965.0	1912.2	1815.2	1657.7	1490.4	1393.3	1397.9	1471.2	1539.3	1465.1
35°	2156.8	2162.2	2125.5	2042.9	1896.2	1702.1	1579.8	1577.5	1617.2	1686.8	1589.7
37.5°	2379.2	2384.6	2348.6	2274.5	2136.9	1944.3	1791.5	1788.4	1804.5	1861.0	1750.2
40°	2616.1	2626.1	2586.3	2523.7	2392.2	2229.4	2037.6	2010.1	1994.0	2060.5	1958.1
42.5°	2856.1	2871.4	2857.7	2795.0	2682.6	2548.1	2357.1	2314.3	2279.9	2363.2	2254.6
45°	3154.2	3172.5	3166.4	3118.3	3031.2	2921.9	2741.5	2691.8	2675.8	2753.0	2623.8
47.5°	3440.8	3460.7	3482.8	3472.1	3410.2	3359.8	3159.6	3131.3	3126.7	3209.2	3009.0
50°	3654.0	3672.4	3757.2	3818.4	3860.4	3849.7	3676.2	3634.2	3627.3	3680.0	3415.6
52.5°	3806.9	3824.5	3941.4	4132.5	4286.9	4370.9	4195.9	4186.8	4149.3	4131.0	3796.2
55°	3925.4	3949.8	4072.9	4361.8	4672.8	4859.3	4750.0	4717.2	4620.9	4515.4	4149.3
57.5°	3949.1	3959.0	4132.5	4522.3	4972.4	5274.3	5274.3	5217.0	5031.3	4885.3	4557.4
60°	3736.6	3767.2	4001.8	4509.3	5100.8	5545.7	5709.2	5669.5	5418.8	5239.2	4950.3
62.5°	3265.0	3299.4	3585.3	4198.2	4972.4	5601.4	6038.6	6032.5	5749.7	5531.9	5275.9
65°	2503.8	2529.0	2778.2	3511.9	4429.8	5386.7	6274.0	6290.8	6011.1	5725.3	5388.2
67.5°	1258.0	1275.6	1544.6	2399.1	3511.1	4768.4	6258.0	6332.9	6090.6	5622.8	4959.4
70°	439.5	457.0	583.9	1029.5	2136.9	3641.1	5716.9	5839.1	5623.6	4799.7	3658.6
72.5°	150.6	159.0	242.3	382.1	831.5	2158.3	4347.3	4531.4	4145.5	3222.2	2102.5
75°	85.6	90.9	129.9	207.1	348.5	710.0	2466.3	2579.5	2416.7	1756.3	865.2
77.5°	58.1	62.7	81.0	117.7	192.6	228.5	1005.8	1266.4	1104.4	573.2	220.9
80°	34.4	37.4	49.7	69.5	98.6	88.7	215.5	286.6	369.1	171.2	66.5
82.5°	16.0	18.3	32.1	45.9	49.7	37.4	63.4	77.2	103.9	84.1	27.5
85°	0.0	0.0	10.7	19.1	18.3	10.7	17.6	19.1	28.3	42.0	10.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	4.6	8.4	4.6
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°	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9	852.9
2.5°	856.0	850.6	856.8	853.7	856.8	856.0	849.9	846.1	846.1	839.2	836.9
5°	866.7	861.3	862.9	856.0	854.5	850.6	843.0	839.9	839.9	833.1	830.8
7.5°	890.4	882.0	880.5	866.7	860.6	849.9	836.1	830.8	830.0	823.1	820.8
10°	927.8	917.9	911.0	893.4	875.9	854.5	825.4	801.0	787.2	768.9	767.3
12.5°	973.7	961.5	950.8	924.0	895.0	846.8	761.2	671.8	616.8	573.2	576.3
15°	1024.9	1013.4	996.6	956.1	896.5	771.2	592.3	454.7	387.5	351.6	350.0
17.5°	1080.7	1063.9	1036.4	981.3	848.4	589.3	385.2	272.1	236.9	224.7	221.6
20°	1132.7	1112.0	1077.6	986.7	709.3	399.0	240.7	210.9	204.8	201.0	201.0
22.5°	1187.7	1161.7	1110.5	945.4	527.4	255.3	204.8	197.9	193.4	188.0	187.2
25°	1243.5	1209.9	1140.3	837.7	345.5	201.0	191.8	184.2	175.8	167.4	165.1
27.5°	1290.9	1247.3	1163.2	677.2	221.6	181.1	175.0	162.0	150.6	141.4	139.9
30°	1347.4	1291.6	1173.2	495.3	174.3	159.7	150.6	136.8	123.0	113.9	110.8
32.5°	1423.1	1362.0	1157.9	322.5	154.4	140.6	126.1	110.1	96.3	86.4	84.8
35°	1540.8	1468.2	1087.6	205.6	139.9	121.5	103.9	87.1	75.7	68.0	66.5
37.5°	1684.5	1617.2	972.2	154.4	125.3	105.5	84.8	68.8	60.4	55.0	53.5
40°	1897.7	1803.7	829.2	135.3	110.8	89.4	69.5	56.6	50.4	45.9	44.3
42.5°	2174.4	2023.8	664.9	123.0	97.1	74.9	56.6	46.6	41.3	38.2	37.4
45°	2497.7	2238.6	491.4	110.8	84.1	61.9	46.6	38.2	34.4	32.1	31.3
47.5°	2828.6	2426.6	339.3	97.8	71.8	51.2	39.0	32.9	29.8	26.7	26.0
50°	3181.7	2585.6	231.6	84.8	61.1	42.0	33.6	29.8	26.0	23.7	22.9
52.5°	3440.8	2644.4	161.3	73.4	52.0	35.9	29.8	26.7	23.7	20.6	19.9
55°	3680.0	2642.9	122.3	61.9	44.3	31.3	26.7	23.7	20.6	18.3	17.6
57.5°	3918.5	2622.3	96.3	52.7	38.2	28.3	23.7	20.6	19.1	16.0	15.3
60°	4072.9	2544.3	74.9	44.3	32.9	24.5	20.6	18.3	16.0	13.8	13.0
62.5°	4154.7	2435.8	57.3	35.2	26.7	21.4	18.3	16.0	13.8	11.5	10.7
65°	4043.8	2243.2	45.1	27.5	20.6	18.3	15.3	13.0	10.7	8.4	7.6
67.5°	3552.4	1891.6	35.2	22.2	16.0	13.8	13.0	10.7	7.6	6.1	5.3
70°	2510.7	1295.5	27.5	16.8	12.2	10.7	9.9	8.4	6.1	4.6	3.8
72.5°	1378.0	653.5	19.9	12.2	9.2	8.4	7.6	6.9	5.3	3.8	3.8
75°	530.4	179.6	14.5	8.4	6.1	6.1	5.3	5.3	4.6	3.1	3.1
77.5°	138.3	53.5	9.2	5.3	3.8	3.8	3.8	3.1	3.1	2.3	2.3
80°	44.3	17.6	5.3	3.8	3.1	2.3	2.3	1.5	2.3	1.5	1.5
82.5°	14.5	6.1	3.1	3.1	2.3	1.5	1.5	0.8	0.8	0.0	0.0
85°	5.3	3.1	2.3	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0
87.5°	3.1	1.5	1.5	1.5	1.5	0.8	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)