

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: P634868

Luminaire Tested: GWS-SA3C-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634868
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-SA3C-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10475.7 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

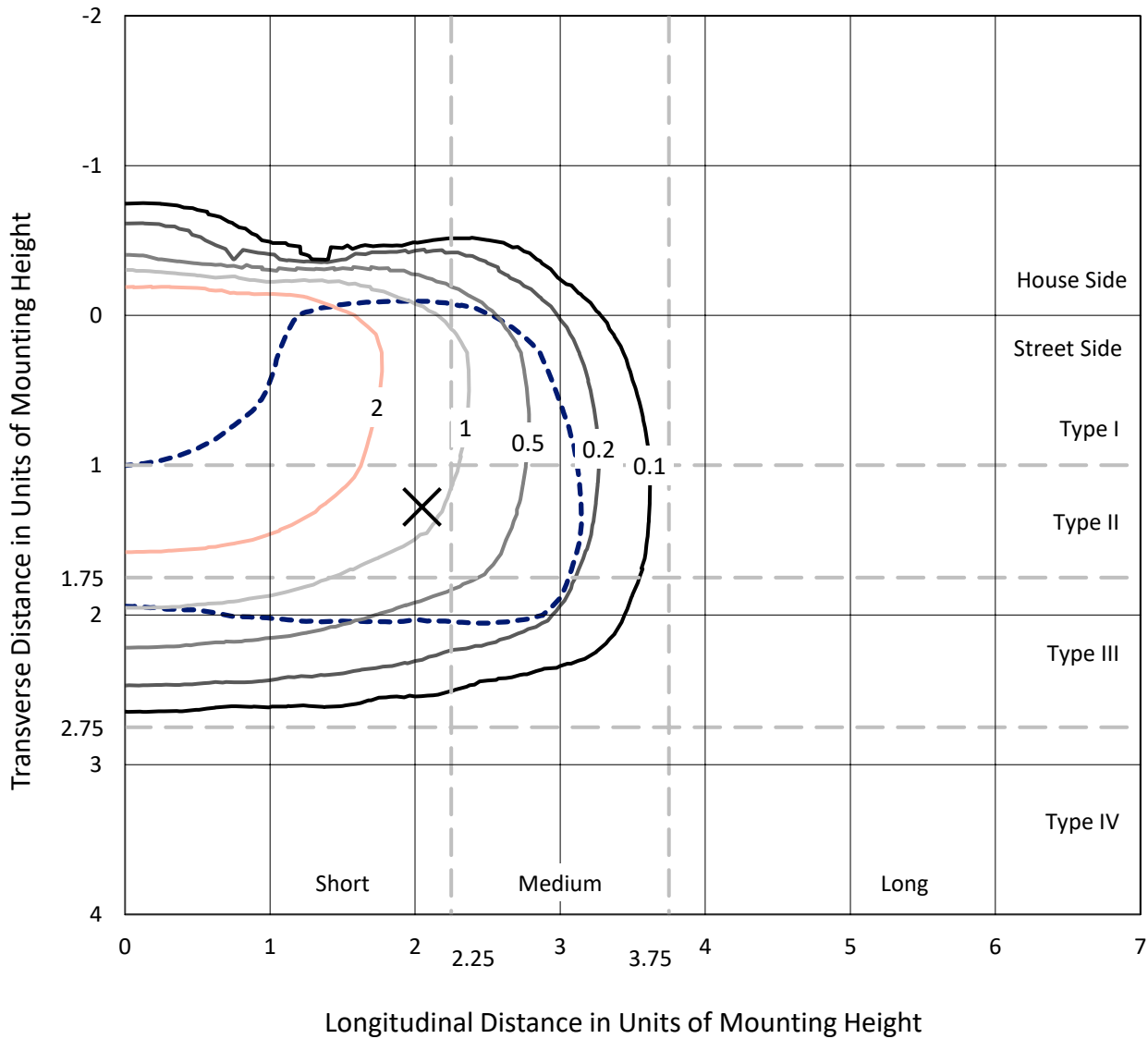
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

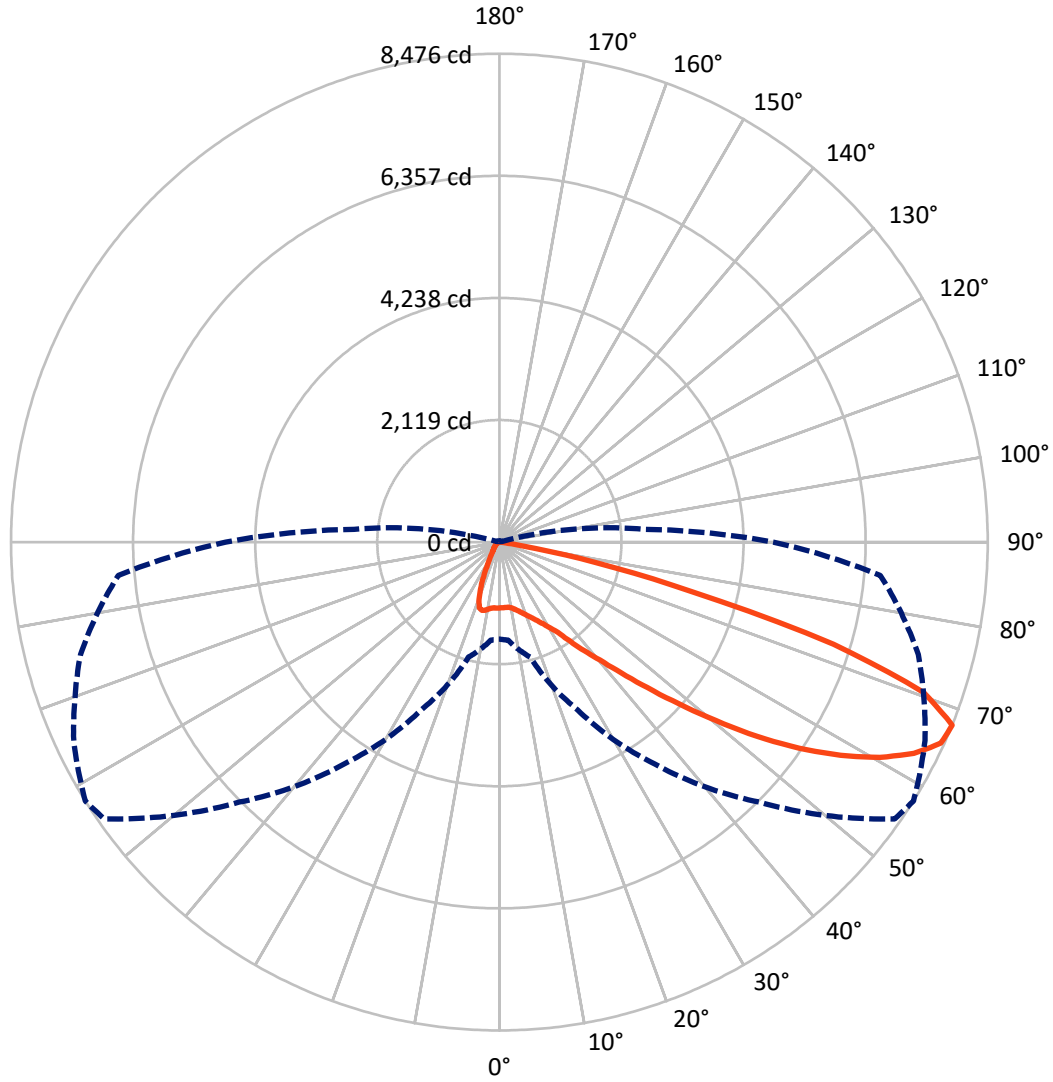
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 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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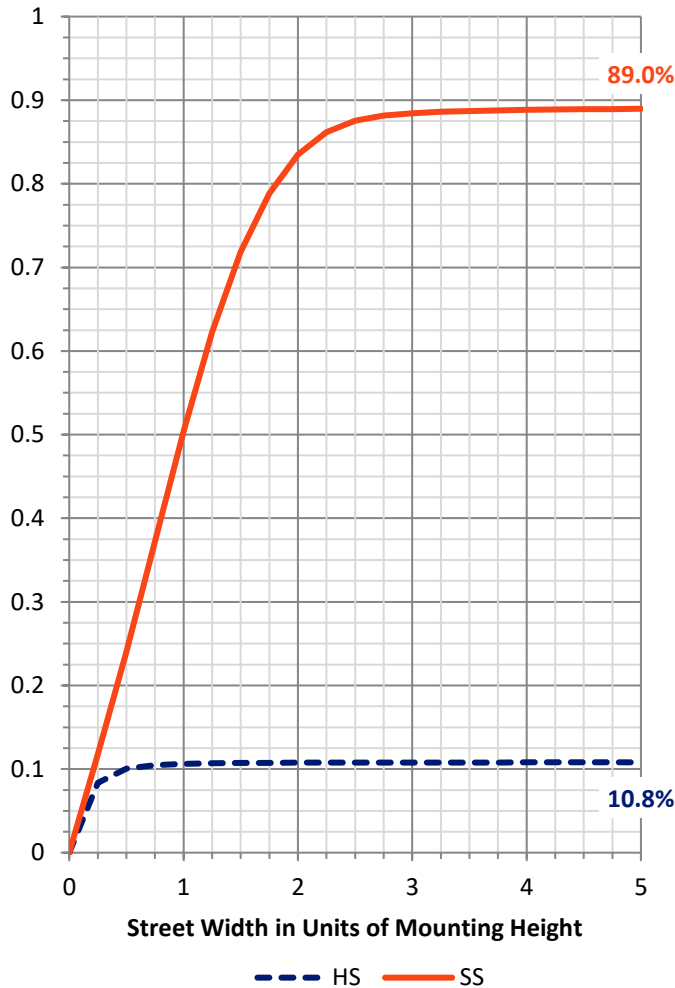
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1142.9	0.0	1142.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9332.8	0.0	9332.8
	% Fixture	89.1	0.0	89.1
Total	Lumens	10475.7	0.0	10475.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	1.0
10°-20°	301.1	2.9
20°-30°	525.5	5.0
30°-40°	938.6	9.0
40°-50°	1715.5	16.4
50°-60°	2853.1	27.2
60°-70°	3098.9	29.6
70°-80°	909.9	8.7
80°-90°	25.9	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°	10475.7	100.0
0°-180°	10475.7	100.0

Coefficient of Utilization



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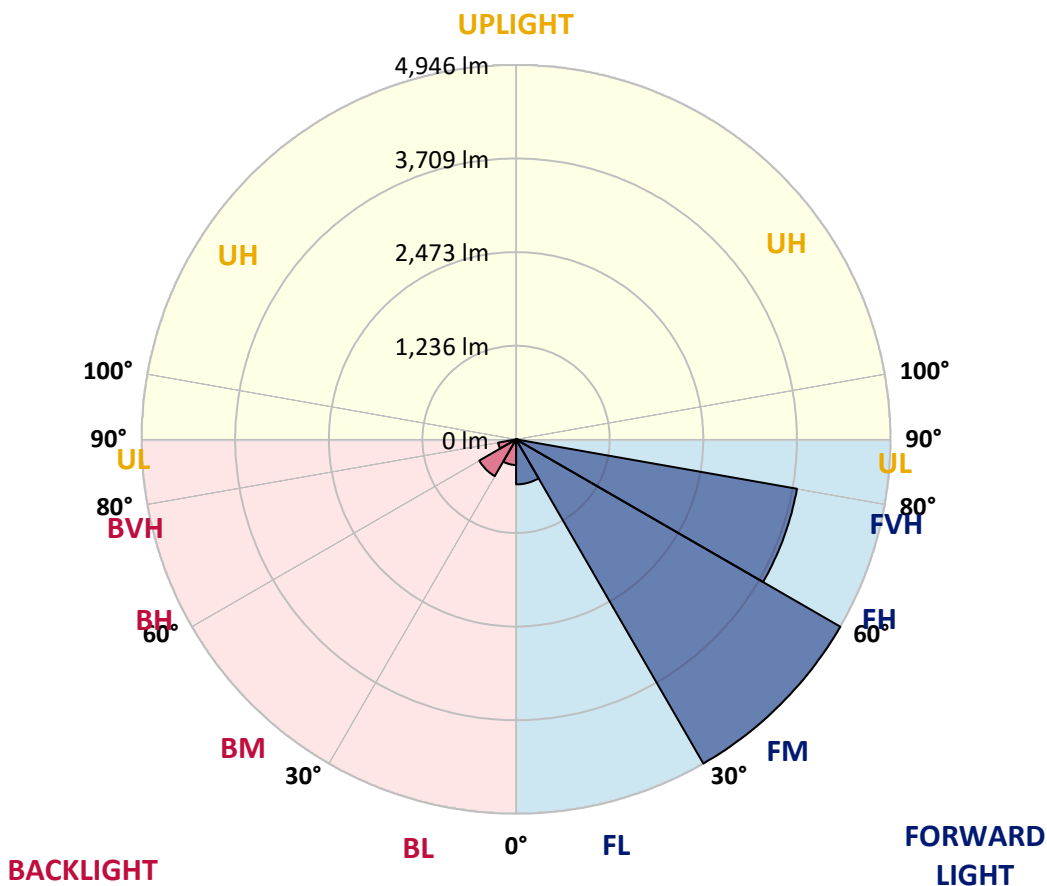
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.9	5.7			
FM (30°-60°)	4945.8	47.2			
FH (60°-80°)	3767.5	36.0			G2/5000
FVH (80°-90°)	24.6	0.2			G1/100
BL (0°-30°)	339.0	3.2	B1/500		
BM (30°-60°)	561.3	5.4	B1/1000		
BH (60°-80°)	241.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5
2.5°	1120.1	1118.0	1118.0	1126.2	1127.2	1131.3	1140.5	1141.5	1146.7	1144.6	1137.4
5°	1061.8	1062.8	1068.9	1083.2	1095.5	1110.9	1133.4	1138.5	1149.7	1155.9	1151.8
7.5°	1007.5	1008.6	1017.8	1040.3	1063.8	1094.5	1131.3	1141.5	1164.0	1180.4	1181.4
10°	987.1	986.1	995.3	1020.8	1051.5	1094.5	1147.7	1161.0	1194.7	1223.4	1228.5
12.5°	993.2	992.2	1001.4	1024.9	1058.7	1112.9	1176.3	1194.7	1237.7	1281.7	1290.9
15°	1017.8	1016.7	1022.9	1042.3	1079.1	1135.4	1213.1	1240.8	1295.0	1348.2	1362.5
17.5°	1091.4	1086.3	1080.2	1082.2	1103.7	1162.0	1260.2	1293.9	1361.5	1424.9	1437.2
20°	1222.3	1209.0	1192.7	1171.2	1161.0	1200.9	1314.4	1353.3	1435.1	1507.7	1509.8
22.5°	1419.8	1414.6	1376.8	1314.4	1270.4	1271.4	1377.8	1422.8	1523.1	1602.9	1591.6
25°	1694.9	1691.8	1633.5	1531.3	1416.7	1377.8	1458.6	1504.7	1627.4	1712.3	1676.5
27.5°	2036.6	2015.1	1946.5	1808.5	1637.6	1515.9	1560.9	1601.8	1737.9	1817.7	1750.2
30°	2334.2	2335.2	2270.8	2126.6	1934.3	1723.6	1685.7	1721.5	1839.1	1923.0	1841.2
32.5°	2620.6	2629.8	2559.3	2429.3	2218.6	1994.6	1864.7	1870.9	1969.1	2060.1	1960.9
35°	2886.6	2893.7	2844.6	2734.2	2537.8	2278.0	2114.3	2111.2	2164.4	2257.5	2127.6
37.5°	3184.2	3191.4	3143.3	3044.1	2860.0	2602.2	2397.6	2393.5	2415.0	2490.7	2342.4
40°	3501.3	3514.6	3461.4	3377.6	3201.6	2983.8	2727.0	2690.2	2668.7	2757.7	2620.6
42.5°	3822.5	3843.0	3824.6	3740.7	3590.3	3410.3	3154.6	3097.3	3051.3	3162.8	3017.5
45°	4221.4	4246.0	4237.8	4173.4	4056.8	3910.5	3669.1	3602.6	3581.1	3684.4	3511.6
47.5°	4605.0	4631.6	4661.3	4647.0	4564.1	4496.6	4228.6	4190.8	4184.6	4295.1	4027.1
50°	4890.4	4915.0	5028.5	5110.3	5166.6	5152.3	4920.1	4863.8	4854.6	4925.2	4571.3
52.5°	5095.0	5118.5	5275.0	5530.7	5737.4	5849.9	5615.6	5603.4	5553.2	5528.7	5080.7
55°	5253.5	5286.3	5450.9	5837.6	6253.9	6503.5	6357.2	6313.2	6184.4	6043.2	5553.2
57.5°	5285.2	5298.5	5530.7	6052.4	6654.9	7058.9	7058.9	6982.2	6733.6	6538.3	6099.5
60°	5000.9	5041.8	5355.8	6035.0	6826.7	7422.0	7640.9	7587.8	7252.2	7011.9	6625.2
62.5°	4369.8	4415.8	4798.3	5618.7	6654.9	7496.7	8081.8	8073.6	7695.2	7403.6	7061.0
65°	3351.0	3384.7	3718.2	4700.2	5928.6	7209.3	8396.9	8419.4	8045.0	7662.4	7211.3
67.5°	1683.7	1707.2	2067.2	3210.8	4699.1	6381.8	8375.4	8475.6	8151.4	7525.4	6637.5
70°	588.2	611.7	781.5	1377.8	2860.0	4873.0	7651.2	7814.8	7526.4	6423.7	4896.5
72.5°	201.5	212.8	324.3	511.4	1112.9	2888.6	5818.2	6064.7	5548.1	4312.5	2814.0
75°	114.6	121.7	173.9	277.2	466.4	950.3	3300.8	3452.2	3234.4	2350.6	1157.9
77.5°	77.7	83.9	108.4	157.5	257.8	305.8	1346.1	1694.9	1478.1	767.2	295.6
80°	46.0	50.1	66.5	93.1	132.0	118.7	288.5	383.6	494.1	229.1	89.0
82.5°	21.5	24.5	43.0	61.4	66.5	50.1	84.9	103.3	139.1	112.5	36.8
85°	0.0	0.0	14.3	25.6	24.5	14.3	23.5	25.6	37.8	56.3	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	6.1	11.3	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°	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5
2.5°	1145.6	1138.5	1146.7	1142.6	1146.7	1145.6	1137.4	1132.3	1132.3	1123.1	1120.1
5°	1160.0	1152.8	1154.8	1145.6	1143.6	1138.5	1128.2	1124.1	1124.1	1114.9	1111.9
7.5°	1191.7	1180.4	1178.4	1160.0	1151.8	1137.4	1119.0	1111.9	1110.9	1101.6	1098.6
10°	1241.8	1228.5	1219.3	1195.8	1172.2	1143.6	1104.7	1072.0	1053.6	1029.0	1027.0
12.5°	1303.2	1286.8	1272.5	1236.7	1197.8	1133.4	1018.8	899.1	825.5	767.2	771.3
15°	1371.7	1356.3	1333.8	1279.6	1199.8	1032.1	792.7	608.6	518.6	470.5	468.5
17.5°	1446.4	1423.9	1387.0	1313.4	1135.4	788.6	515.5	364.1	317.1	300.7	296.6
20°	1515.9	1488.3	1442.3	1320.5	949.2	533.9	322.2	282.3	274.1	269.0	269.0
22.5°	1589.6	1554.8	1486.3	1265.3	705.8	341.6	274.1	264.9	258.8	251.6	250.6
25°	1664.2	1619.2	1526.1	1121.1	462.3	269.0	256.7	246.5	235.3	224.0	220.9
27.5°	1727.7	1669.3	1556.8	906.3	296.6	242.4	234.2	216.9	201.5	189.2	187.2
30°	1803.3	1728.7	1570.1	662.8	233.2	213.8	201.5	183.1	164.7	152.4	148.3
32.5°	1904.6	1822.8	1549.7	431.7	206.6	188.2	168.8	147.3	128.9	115.6	113.5
35°	2062.1	1965.0	1455.6	275.2	187.2	162.6	139.1	116.6	101.3	91.0	89.0
37.5°	2254.4	2164.4	1301.1	206.6	167.8	141.2	113.5	92.1	80.8	73.6	71.6
40°	2539.8	2414.0	1109.8	181.1	148.3	119.7	93.1	75.7	67.5	61.4	59.3
42.5°	2910.1	2708.6	889.9	164.7	129.9	100.2	75.7	62.4	55.2	51.1	50.1
45°	3342.8	2996.0	657.7	148.3	112.5	82.9	62.4	51.1	46.0	43.0	41.9
47.5°	3785.7	3247.7	454.2	130.9	96.2	68.5	52.2	44.0	39.9	35.8	34.8
50°	4258.3	3460.4	309.9	113.5	81.8	56.3	45.0	39.9	34.8	31.7	30.7
52.5°	4605.0	3539.2	215.8	98.2	69.6	48.1	39.9	35.8	31.7	27.6	26.6
55°	4925.2	3537.1	163.7	82.9	59.3	41.9	35.8	31.7	27.6	24.5	23.5
57.5°	5244.3	3509.5	128.9	70.6	51.1	37.8	31.7	27.6	25.6	21.5	20.5
60°	5450.9	3405.2	100.2	59.3	44.0	32.7	27.6	24.5	21.5	18.4	17.4
62.5°	5560.4	3259.9	76.7	47.1	35.8	28.6	24.5	21.5	18.4	15.3	14.3
65°	5412.1	3002.2	60.4	36.8	27.6	24.5	20.5	17.4	14.3	11.3	10.2
67.5°	4754.4	2531.6	47.1	29.7	21.5	18.4	17.4	14.3	10.2	8.2	7.2
70°	3360.2	1733.8	36.8	22.5	16.4	14.3	13.3	11.3	8.2	6.1	5.1
72.5°	1844.3	874.6	26.6	16.4	12.3	11.3	10.2	9.2	7.2	5.1	5.1
75°	709.9	240.4	19.4	11.3	8.2	8.2	7.2	7.2	6.1	4.1	4.1
77.5°	185.1	71.6	12.3	7.2	5.1	5.1	5.1	4.1	4.1	3.1	3.1
80°	59.3	23.5	7.2	5.1	4.1	3.1	3.1	2.0	3.1	2.0	2.0
82.5°	19.4	8.2	4.1	4.1	3.1	2.0	2.0	1.0	1.0	0.0	0.0
85°	7.2	4.1	3.1	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
87.5°	4.1	2.0	2.0	2.0	2.0	1.0	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)