

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: P635198

Luminaire Tested: GWS-SA3D-730-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635198
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11764.8 lumens
Efficiency: N/A
Efficacy: 97.4 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

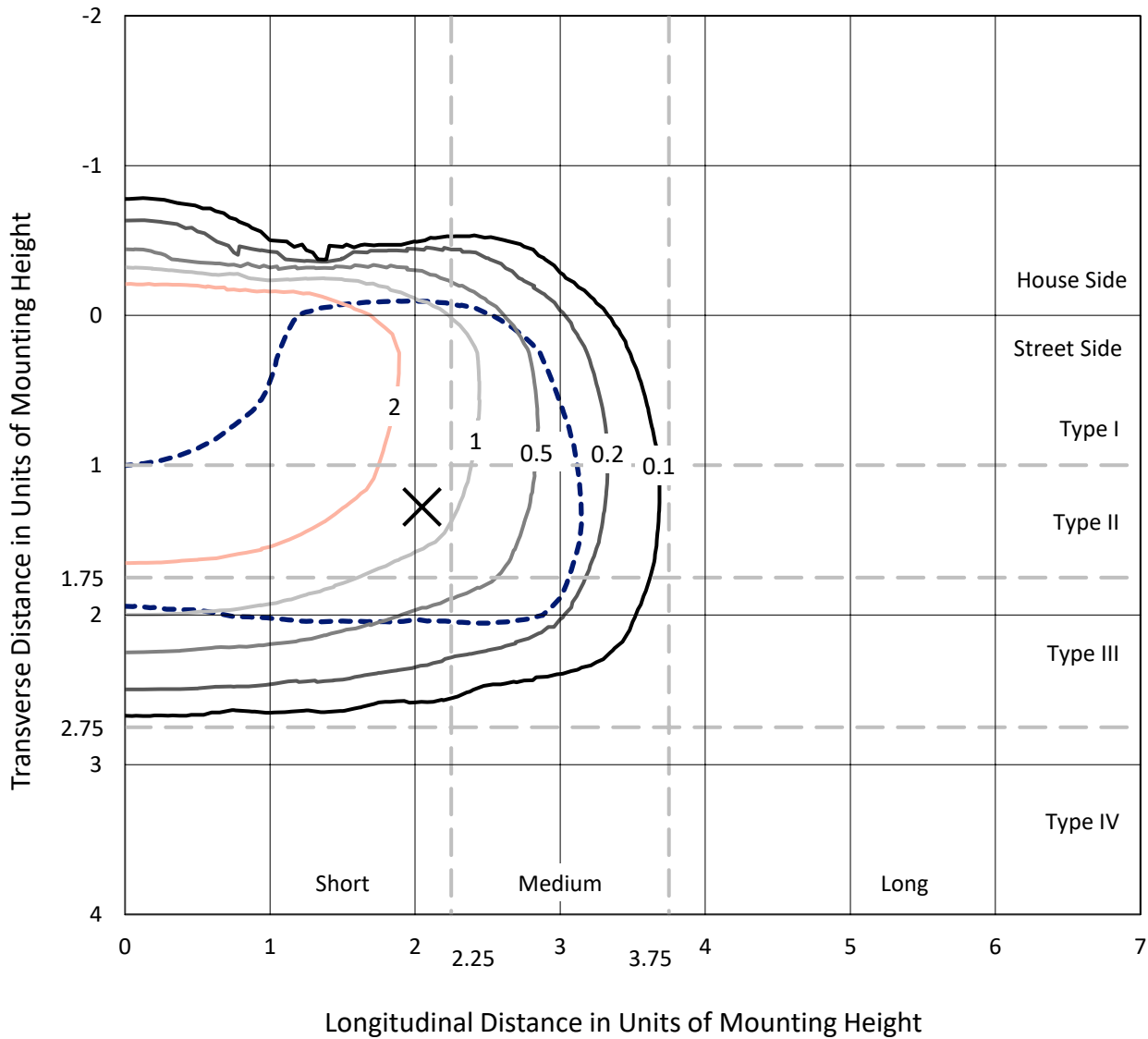
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

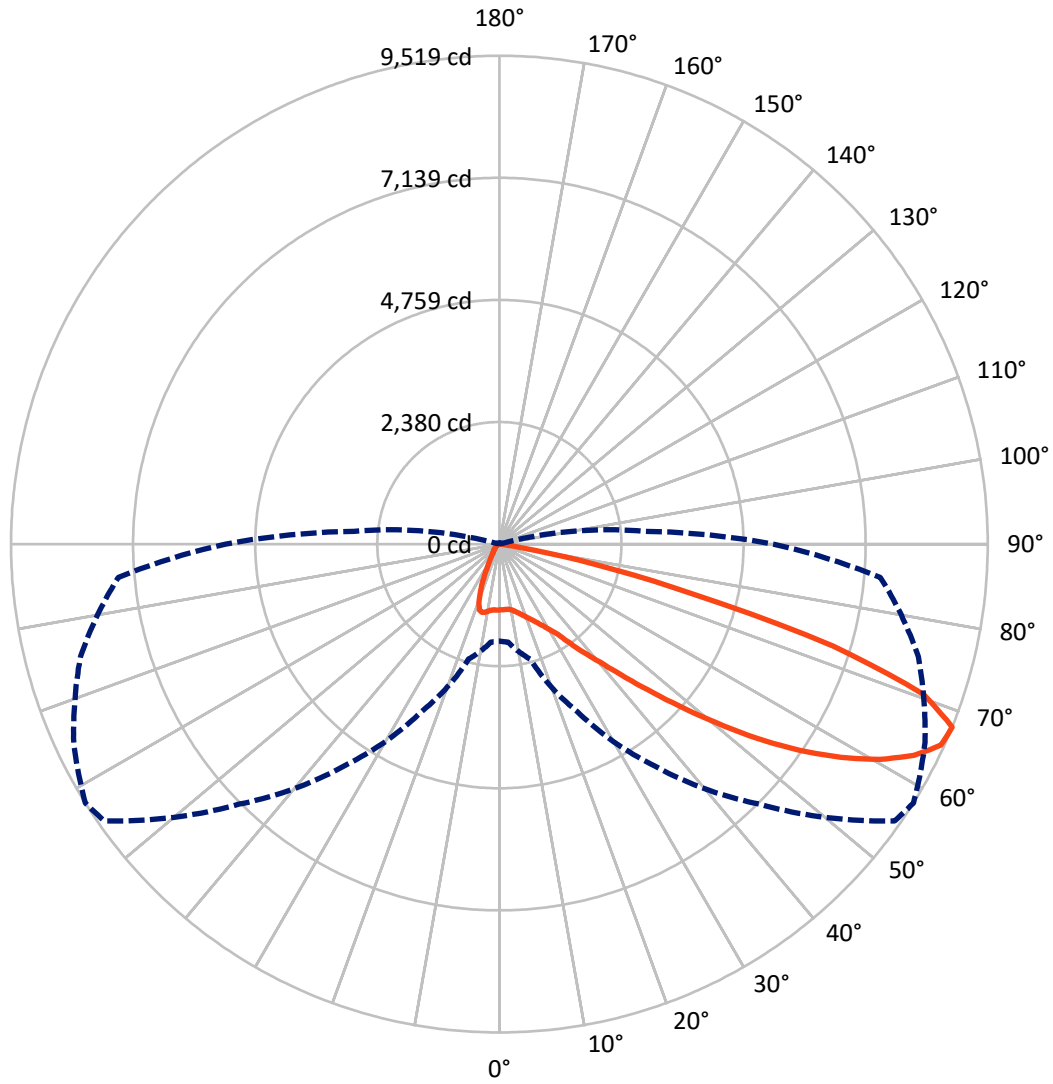
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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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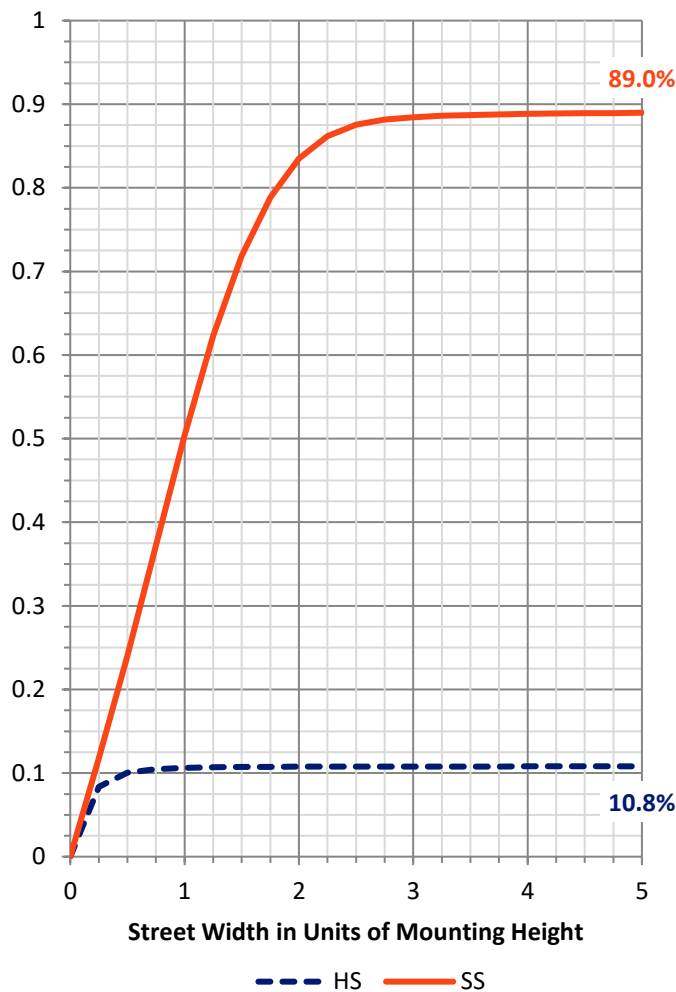
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1283.5	0.0	1283.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	10481.3	0.0	10481.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	11764.8	0.0	11764.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.0
10°-20°	338.1	2.9
20°-30°	590.2	5.0
30°-40°	1054.1	9.0
40°-50°	1926.6	16.4
50°-60°	3204.2	27.2
60°-70°	3480.3	29.6
70°-80°	1021.8	8.7
80°-90°	29.1	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°	11764.8	100.0
0°-180°	11764.8	100.0

Coefficient of Utilization

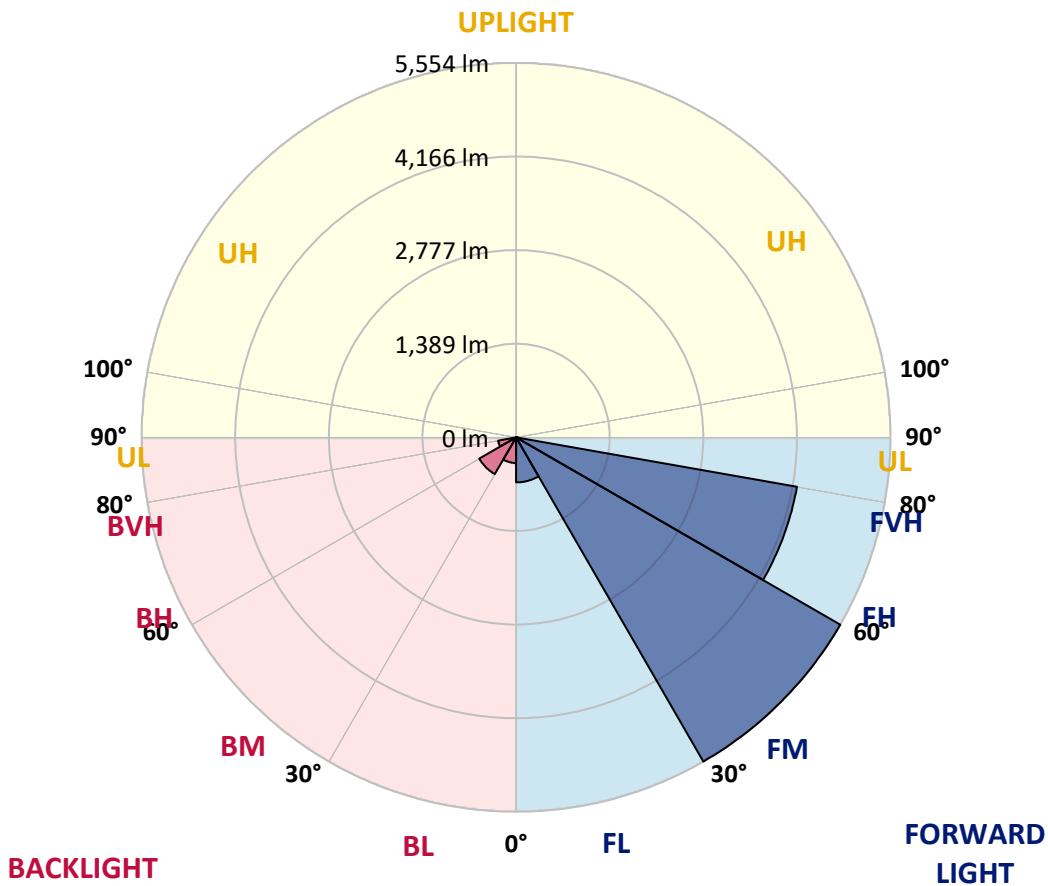


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.1	5.7			
FM (30°-60°)	5554.4	47.2			
FH (60°-80°)	4231.2	36.0			G2/5000
FVH (80°-90°)	27.7	0.2			G1/100
BL (0°-30°)	380.7	3.2	B1/500		
BM (30°-60°)	630.4	5.4	B1/1000		
BH (60°-80°)	270.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0
2.5°	1257.9	1255.6	1255.6	1264.8	1265.9	1270.5	1280.9	1282.0	1287.8	1285.5	1277.4
5°	1192.4	1193.6	1200.5	1216.5	1230.3	1247.5	1272.8	1278.6	1291.2	1298.1	1293.5
7.5°	1131.5	1132.7	1143.0	1168.3	1194.7	1229.2	1270.5	1282.0	1307.3	1325.7	1326.8
10°	1108.5	1107.4	1117.7	1146.5	1180.9	1229.2	1288.9	1303.8	1341.7	1373.9	1379.7
12.5°	1115.4	1114.3	1124.6	1151.1	1189.0	1249.8	1321.1	1341.7	1390.0	1439.4	1449.7
15°	1143.0	1141.9	1148.8	1170.6	1211.9	1275.1	1362.4	1393.4	1454.3	1514.1	1530.1
17.5°	1225.7	1220.0	1213.1	1215.4	1239.5	1305.0	1415.3	1453.2	1529.0	1600.2	1614.0
20°	1372.8	1357.8	1339.4	1315.3	1303.8	1348.6	1476.2	1519.8	1611.7	1693.3	1695.6
22.5°	1594.5	1588.7	1546.2	1476.2	1426.8	1427.9	1547.4	1597.9	1710.5	1800.1	1787.5
25°	1903.5	1900.0	1834.6	1719.7	1591.0	1547.4	1638.1	1689.8	1827.7	1923.0	1882.8
27.5°	2287.2	2263.0	2186.1	2031.0	1839.2	1702.5	1753.0	1799.0	1951.7	2041.3	1965.5
30°	2621.5	2622.6	2550.2	2388.3	2172.3	1935.7	1893.1	1933.4	2065.5	2159.7	2067.8
32.5°	2943.1	2953.5	2874.2	2728.3	2491.7	2240.1	2094.2	2101.1	2211.4	2313.6	2202.2
35°	3241.8	3249.8	3194.7	3070.6	2850.1	2558.3	2374.5	2371.0	2430.8	2535.3	2389.4
37.5°	3576.1	3584.1	3530.1	3418.7	3211.9	2922.4	2692.7	2688.1	2712.2	2797.2	2630.7
40°	3932.2	3947.1	3887.4	3793.2	3595.6	3350.9	3062.6	3021.2	2997.1	3097.0	2943.1
42.5°	4292.9	4315.9	4295.2	4201.0	4032.1	3830.0	3542.8	3478.4	3426.7	3552.0	3388.8
45°	4740.9	4768.5	4759.3	4686.9	4556.0	4391.7	4120.6	4045.9	4021.8	4137.8	3943.7
47.5°	5171.7	5201.6	5234.9	5218.8	5125.7	5049.9	4749.0	4706.5	4699.6	4823.6	4522.7
50°	5492.2	5519.8	5647.3	5739.2	5802.4	5786.3	5525.5	5462.3	5452.0	5531.3	5133.8
52.5°	5722.0	5748.4	5924.1	6211.3	6443.4	6569.7	6306.7	6292.9	6236.6	6209.0	5705.9
55°	5900.0	5936.8	6121.7	6556.0	7023.5	7303.8	7139.5	7090.1	6945.4	6786.9	6236.6
57.5°	5935.6	5950.6	6211.3	6797.2	7473.8	7927.6	7927.6	7841.4	7562.3	7342.8	6850.0
60°	5616.3	5662.2	6014.9	6777.7	7666.8	8335.4	8581.2	8521.5	8144.7	7874.7	7440.5
62.5°	4907.5	4959.2	5388.8	6310.1	7473.8	8419.2	9076.3	9067.1	8642.1	8314.7	7929.9
65°	3763.3	3801.2	4175.7	5278.5	6658.2	8096.4	9430.1	9455.4	9035.0	8605.3	8098.7
67.5°	1890.9	1917.3	2321.6	3605.9	5277.4	7167.1	9406.0	9518.6	9154.4	8451.4	7454.3
70°	660.5	687.0	877.6	1547.4	3211.9	5472.7	8592.7	8776.5	8452.5	7214.2	5499.1
72.5°	226.3	238.9	364.2	574.4	1249.8	3244.1	6534.1	6811.0	6230.9	4843.2	3160.2
75°	128.7	136.7	195.3	311.3	523.8	1067.2	3707.0	3877.1	3632.4	2639.8	1300.4
77.5°	87.3	94.2	121.8	176.9	289.5	343.5	1511.8	1903.5	1660.0	861.6	332.0
80°	51.7	56.3	74.7	104.5	148.2	133.3	323.9	430.8	554.8	257.3	99.9
82.5°	24.1	27.6	48.2	68.9	74.7	56.3	95.3	116.0	156.2	126.4	41.4
85°	0.0	0.0	16.1	28.7	27.6	16.1	26.4	28.7	42.5	63.2	16.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4	6.9	12.6	6.9
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°	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0	1282.0
2.5°	1286.6	1278.6	1287.8	1283.2	1287.8	1286.6	1277.4	1271.7	1271.7	1261.3	1257.9
5°	1302.7	1294.6	1296.9	1286.6	1284.3	1278.6	1267.1	1262.5	1262.5	1252.1	1248.7
7.5°	1338.3	1325.7	1323.4	1302.7	1293.5	1277.4	1256.7	1248.7	1247.5	1237.2	1233.8
10°	1394.6	1379.7	1369.3	1342.9	1316.5	1284.3	1240.7	1203.9	1183.2	1155.6	1153.4
12.5°	1463.5	1445.1	1429.1	1388.8	1345.2	1272.8	1144.2	1009.8	927.0	861.6	866.2
15°	1540.5	1523.3	1498.0	1437.1	1347.5	1159.1	890.3	683.5	582.4	528.4	526.1
17.5°	1624.3	1599.1	1557.7	1475.0	1275.1	885.7	579.0	409.0	356.1	337.7	333.1
20°	1702.5	1671.4	1619.7	1483.0	1066.0	599.7	361.9	317.1	307.9	302.1	302.1
22.5°	1785.2	1746.1	1669.1	1421.0	792.6	383.7	307.9	297.5	290.6	282.6	281.4
25°	1869.0	1818.5	1713.9	1259.0	519.2	302.1	288.3	276.9	264.2	251.6	248.1
27.5°	1940.2	1874.8	1748.4	1017.8	333.1	272.3	263.1	243.5	226.3	212.5	210.2
30°	2025.3	1941.4	1763.3	744.4	261.9	240.1	226.3	205.6	184.9	171.2	166.6
32.5°	2139.0	2047.1	1740.4	484.8	232.0	211.4	189.5	165.4	144.7	129.8	127.5
35°	2315.9	2206.8	1634.7	309.0	210.2	182.7	156.2	131.0	113.7	102.2	99.9
37.5°	2531.9	2430.8	1461.2	232.0	188.4	158.5	127.5	103.4	90.8	82.7	80.4
40°	2852.4	2711.1	1246.4	203.3	166.6	134.4	104.5	85.0	75.8	68.9	66.6
42.5°	3268.2	3041.9	999.4	184.9	145.9	112.6	85.0	70.1	62.0	57.4	56.3
45°	3754.1	3364.7	738.7	166.6	126.4	93.0	70.1	57.4	51.7	48.2	47.1
47.5°	4251.5	3647.3	510.0	147.0	108.0	77.0	58.6	49.4	44.8	40.2	39.1
50°	4782.3	3886.2	348.1	127.5	91.9	63.2	50.5	44.8	39.1	35.6	34.5
52.5°	5171.7	3974.7	242.4	110.3	78.1	54.0	44.8	40.2	35.6	31.0	29.9
55°	5531.3	3972.4	183.8	93.0	66.6	47.1	40.2	35.6	31.0	27.6	26.4
57.5°	5889.7	3941.4	144.7	79.3	57.4	42.5	35.6	31.0	28.7	24.1	23.0
60°	6121.7	3824.2	112.6	66.6	49.4	36.8	31.0	27.6	24.1	20.7	19.5
62.5°	6244.6	3661.1	86.2	52.8	40.2	32.2	27.6	24.1	20.7	17.2	16.1
65°	6078.1	3371.6	67.8	41.4	31.0	27.6	23.0	19.5	16.1	12.6	11.5
67.5°	5339.4	2843.2	52.8	33.3	24.1	20.7	19.5	16.1	11.5	9.2	8.0
70°	3773.7	1947.1	41.4	25.3	18.4	16.1	14.9	12.6	9.2	6.9	5.7
72.5°	2071.2	982.2	29.9	18.4	13.8	12.6	11.5	10.3	8.0	5.7	5.7
75°	797.2	270.0	21.8	12.6	9.2	9.2	8.0	8.0	6.9	4.6	4.6
77.5°	207.9	80.4	13.8	8.0	5.7	5.7	5.7	4.6	4.6	3.4	3.4
80°	66.6	26.4	8.0	5.7	4.6	3.4	3.4	2.3	3.4	2.3	2.3
82.5°	21.8	9.2	4.6	4.6	3.4	2.3	2.3	1.1	1.1	0.0	0.0
85°	8.0	4.6	3.4	2.3	2.3	2.3	1.1	0.0	0.0	0.0	0.0
87.5°	4.6	2.3	2.3	2.3	2.3	1.1	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)