

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: P632531

Luminaire Tested: GWS-SA2C-830-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5828.3 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

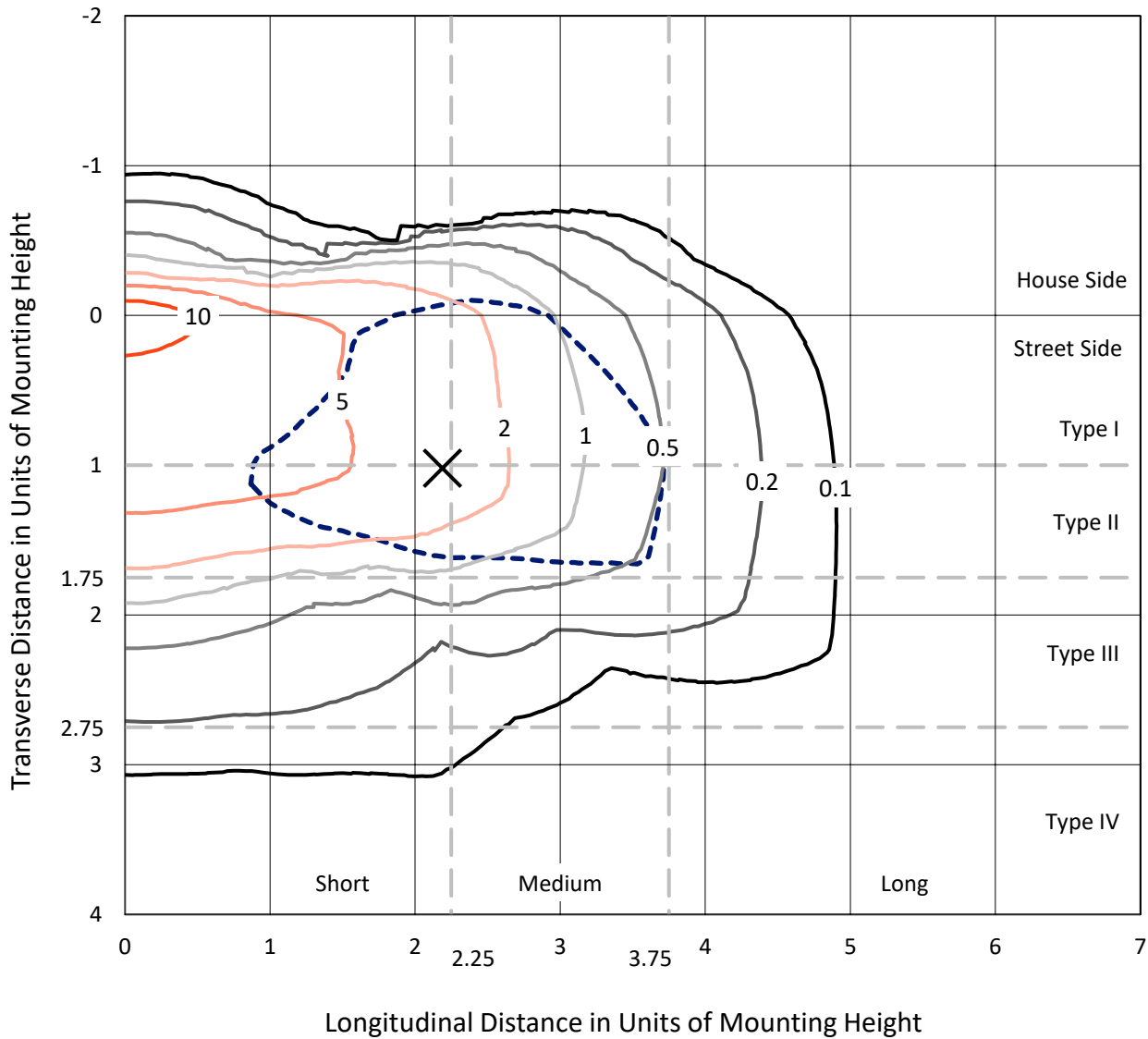
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

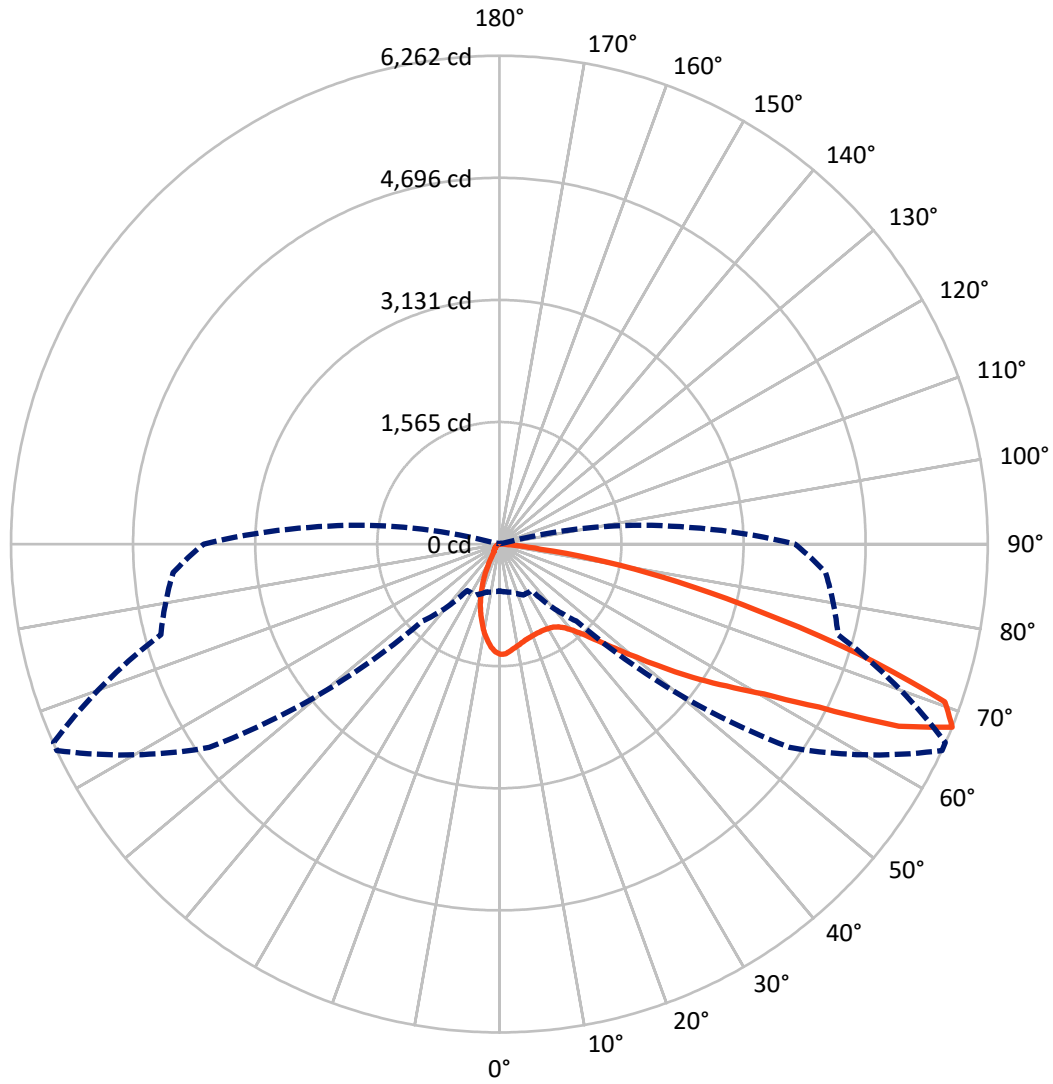
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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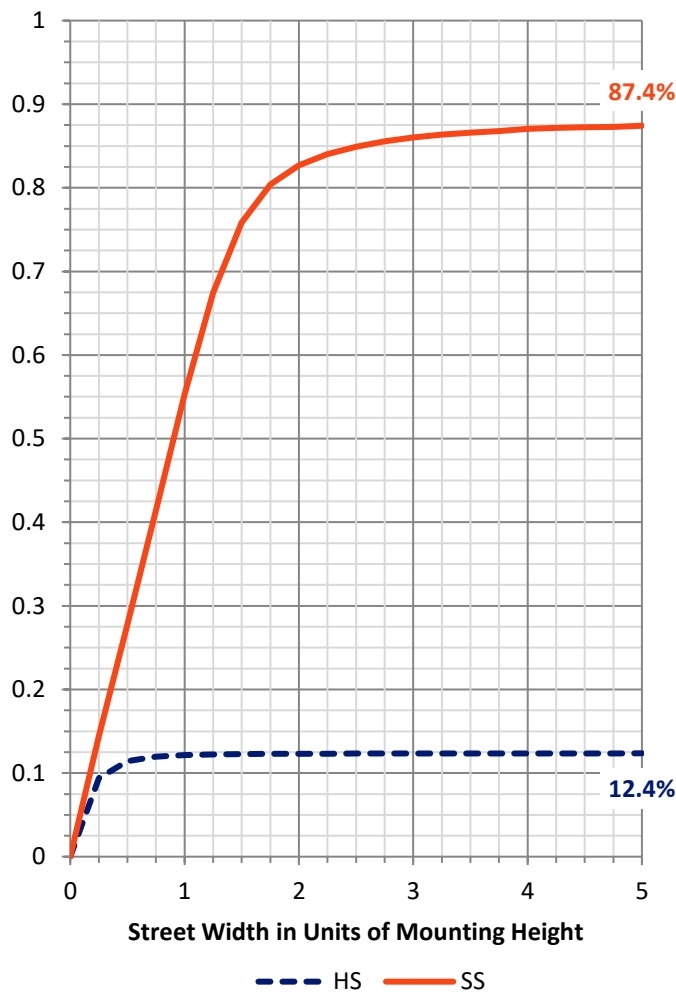
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.8	0.0	727.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5100.5	0.0	5100.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	5828.3	0.0	5828.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	2.0
10°-20°	263.9	4.5
20°-30°	377.1	6.5
30°-40°	548.7	9.4
40°-50°	859.3	14.7
50°-60°	1340.5	23.0
60°-70°	1472.5	25.3
70°-80°	783.7	13.4
80°-90°	65.2	1.1
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°	5828.3	100.0
0°-180°	5828.3	100.0

Coefficient of Utilization



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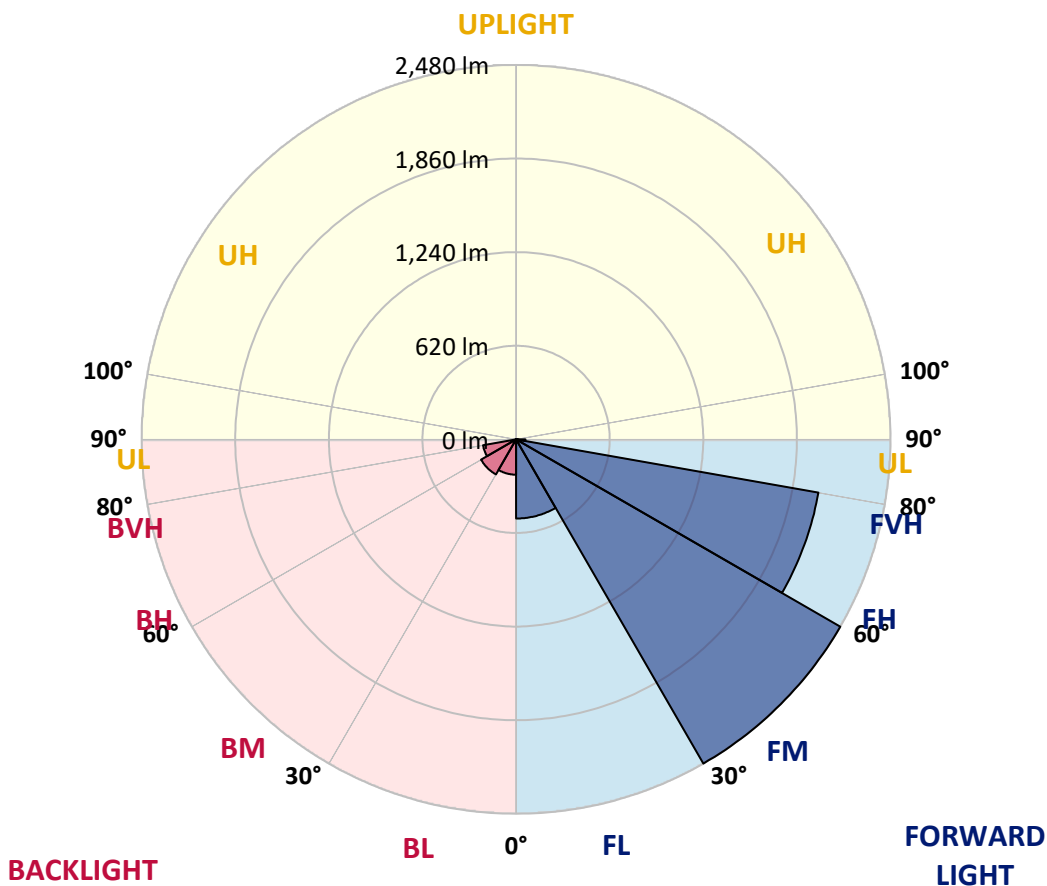
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	524.5	9.0			
FM (30°-60°)	2480.4	42.6			
FH (60°-80°)	2033.9	34.9			G2/5000
FVH (80°-90°)	61.7	1.1			G1/100
BL (0°-30°)	233.9	4.0	B1/500		
BM (30°-60°)	268.1	4.6	B1/1000		
BH (60°-80°)	222.3	3.8	B1/500		G1/500
BVH (80°-90°)	3.5	0.1			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°	66°	75°	85°
0°	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5
2.5°	1364.5	1368.7	1362.9	1377.2	1379.8	1395.6	1404.6	1410.9	1410.4	1418.3	1418.3
5°	1284.4	1288.6	1285.5	1300.8	1312.9	1337.7	1358.2	1381.9	1383.0	1407.2	1416.2
7.5°	1216.4	1217.0	1217.0	1235.9	1251.7	1282.3	1312.9	1349.2	1353.5	1390.9	1414.6
10°	1160.6	1162.1	1162.7	1184.3	1201.7	1238.6	1277.6	1321.3	1326.1	1376.7	1413.5
12.5°	1122.1	1122.6	1124.7	1147.4	1166.4	1204.8	1244.4	1294.4	1300.8	1360.3	1408.8
15°	1103.6	1102.6	1103.6	1122.6	1141.6	1178.5	1219.1	1272.8	1279.7	1346.6	1409.3
17.5°	1102.6	1101.0	1100.0	1114.2	1126.3	1159.0	1200.1	1258.6	1266.0	1340.3	1415.1
20°	1117.9	1116.8	1111.5	1117.9	1120.5	1147.4	1188.0	1247.5	1254.9	1339.2	1427.8
22.5°	1157.9	1155.3	1147.4	1141.6	1127.4	1143.2	1179.5	1239.6	1248.1	1341.9	1444.1
25°	1217.5	1216.4	1206.4	1192.2	1155.8	1149.5	1180.1	1239.6	1247.5	1345.0	1461.5
27.5°	1307.1	1300.8	1288.1	1263.3	1211.2	1174.3	1190.6	1242.8	1250.7	1349.2	1475.7
30°	1398.3	1397.7	1393.5	1368.2	1290.7	1221.7	1212.7	1251.2	1258.6	1352.9	1488.9
32.5°	1492.6	1494.2	1504.7	1485.2	1400.4	1292.3	1252.8	1268.6	1273.9	1360.3	1500.5
35°	1582.2	1585.4	1613.3	1620.1	1533.7	1399.3	1318.2	1303.4	1303.9	1376.7	1515.8
37.5°	1668.1	1678.7	1723.5	1756.7	1699.7	1529.0	1412.5	1362.4	1358.2	1409.3	1539.0
40°	1765.6	1785.6	1842.0	1898.4	1880.5	1700.3	1541.1	1453.1	1444.1	1469.4	1580.6
42.5°	1873.7	1895.3	1970.1	2049.2	2057.6	1907.4	1701.8	1585.4	1570.1	1570.6	1658.6
45°	1989.6	2018.6	2105.6	2219.4	2270.5	2138.2	1900.0	1764.0	1748.7	1726.1	1784.1
47.5°	2141.9	2167.2	2251.0	2382.3	2480.3	2386.0	2159.8	1993.8	1965.9	1932.7	1979.1
50°	2273.2	2295.3	2367.5	2531.9	2735.9	2705.3	2454.5	2281.1	2254.2	2197.8	2236.3
52.5°	2302.2	2319.5	2386.0	2570.9	2931.4	3108.5	2815.5	2628.4	2609.4	2505.1	2519.8
55°	2172.0	2198.3	2257.9	2463.4	2982.6	3502.8	3284.0	3020.0	2980.5	2813.9	2840.3
57.5°	1843.1	1890.0	1945.9	2213.1	2844.0	3712.5	3938.6	3434.8	3398.9	3111.2	3111.7
60°	1350.8	1388.8	1426.2	1670.7	2515.1	3698.3	4532.6	3900.7	3835.3	3354.1	3345.2
62.5°	982.4	1001.9	1001.4	1088.4	1727.1	3454.8	4844.6	4602.7	4450.4	3614.0	3562.9
65°	772.7	772.1	794.8	823.3	964.5	2666.9	4883.1	5627.8	5463.4	3962.4	3855.9
67.5°	601.4	613.0	635.6	719.4	724.7	1395.6	4544.7	6261.9	6258.7	4494.1	4199.0
70°	463.8	479.6	511.8	634.0	669.4	781.1	3400.5	6061.1	6112.2	4731.8	3956.0
72.5°	297.8	296.7	344.2	512.3	643.0	650.9	1880.5	4814.6	4872.6	4286.0	3198.7
75°	166.5	167.6	194.5	313.6	599.3	612.4	931.3	3433.2	3479.1	3341.5	2457.6
77.5°	65.4	67.5	91.2	165.0	395.3	547.1	553.4	2341.2	2348.0	2070.8	1507.4
80°	26.4	27.9	46.4	102.2	240.9	368.4	395.3	1379.3	1351.4	801.6	438.5
82.5°	7.9	8.4	18.4	58.0	126.0	261.9	266.7	529.2	499.6	172.3	111.7
85°	0.5	0.5	4.2	17.9	44.8	65.9	177.6	172.3	152.8	43.2	49.5
87.5°	0.0	0.0	0.5	0.5	1.1	2.1	19.0	31.6	32.2	7.9	22.1
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°	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5	1413.5
2.5°	1418.3	1399.3	1397.7	1383.0	1368.2	1349.8	1328.2	1312.4	1301.3	1281.8	1278.1
5°	1416.2	1390.9	1367.2	1325.0	1278.1	1227.5	1183.2	1142.1	1116.3	1098.9	1091.5
7.5°	1412.0	1379.8	1325.0	1245.4	1166.9	1078.3	1009.3	946.1	902.8	877.5	866.5
10°	1408.8	1365.6	1276.5	1155.8	1034.1	911.8	806.9	713.1	660.9	619.8	613.0
12.5°	1402.5	1345.0	1214.3	1050.9	893.9	731.5	597.7	482.8	403.2	367.4	354.7
15°	1396.2	1323.4	1152.1	940.3	741.0	540.8	378.4	267.7	212.9	196.1	195.0
17.5°	1395.1	1303.9	1084.7	835.4	580.8	354.2	215.6	173.4	161.8	157.6	157.6
20°	1398.3	1287.6	1018.3	714.7	423.2	215.6	160.8	150.2	143.4	139.7	139.7
22.5°	1401.4	1270.7	954.5	592.9	280.9	157.6	141.8	132.8	124.9	120.7	118.6
25°	1403.5	1252.3	883.9	470.7	183.4	137.0	124.4	112.8	103.3	98.0	98.0
27.5°	1403.0	1230.1	812.7	351.0	142.3	121.7	106.5	94.3	84.9	79.1	79.6
30°	1398.8	1205.9	738.9	245.1	124.4	106.5	91.2	78.5	69.0	64.3	63.8
32.5°	1395.6	1180.1	653.5	172.3	111.7	93.3	77.5	65.4	57.4	53.8	53.2
35°	1391.9	1154.8	572.4	131.2	100.7	80.6	65.4	55.3	49.0	45.9	45.9
37.5°	1393.0	1128.4	484.4	112.8	89.6	70.1	55.9	47.4	42.2	39.0	38.5
40°	1409.3	1112.6	397.9	102.2	79.6	60.6	48.5	41.1	35.8	32.7	32.2
42.5°	1449.9	1113.1	315.2	94.3	70.6	51.7	42.2	35.3	30.6	26.9	26.4
45°	1531.1	1135.3	241.9	85.9	61.1	44.8	36.4	30.0	25.3	22.1	21.6
47.5°	1663.9	1201.1	183.4	78.5	53.2	39.0	31.1	25.3	21.1	18.4	17.9
50°	1875.2	1320.3	144.4	69.6	44.8	33.7	26.4	21.1	17.4	14.8	14.2
52.5°	2129.3	1498.9	123.9	61.7	38.5	29.5	22.7	17.4	14.2	12.1	11.6
55°	2421.3	1712.4	114.4	53.8	32.7	25.3	18.4	14.2	11.6	10.0	9.0
57.5°	2689.0	1904.8	113.8	45.9	27.9	21.6	15.3	12.1	10.0	7.9	7.4
60°	2949.9	2065.5	107.0	37.9	24.2	17.9	13.2	10.0	8.4	6.9	6.3
62.5°	3186.5	2196.2	89.6	30.6	20.6	14.8	11.1	9.0	7.4	5.8	5.8
65°	3483.8	2362.8	68.5	24.8	16.9	12.1	9.5	7.9	6.9	5.3	5.3
67.5°	3791.1	2450.8	49.0	20.6	13.7	10.5	8.4	7.4	5.8	4.7	4.7
70°	3433.7	2070.8	35.3	16.9	11.6	9.0	7.4	6.9	5.8	4.7	4.2
72.5°	2681.6	1493.1	26.4	13.2	10.0	8.4	6.9	6.3	5.3	4.2	4.2
75°	1988.6	870.7	20.0	10.5	7.9	6.9	6.9	6.3	5.3	4.2	3.7
77.5°	1081.0	303.6	15.3	8.4	6.3	5.3	5.8	5.8	4.7	3.7	3.2
80°	286.2	83.3	10.5	6.3	5.3	4.2	4.2	5.3	4.2	3.2	3.2
82.5°	83.3	24.2	7.4	5.3	4.2	3.7	3.7	3.7	3.2	2.6	2.1
85°	40.6	9.0	5.3	4.2	3.7	3.2	2.6	2.6	2.1	1.6	1.6
87.5°	17.9	3.7	4.2	3.7	3.7	2.6	2.1	1.6	1.6	1.1	0.5
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)