

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: P634511

Luminaire Tested: GWS-SA3B-830-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634511
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-SA3B-830-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6550.1 lumens
Efficiency: N/A
Efficacy: 95.9 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

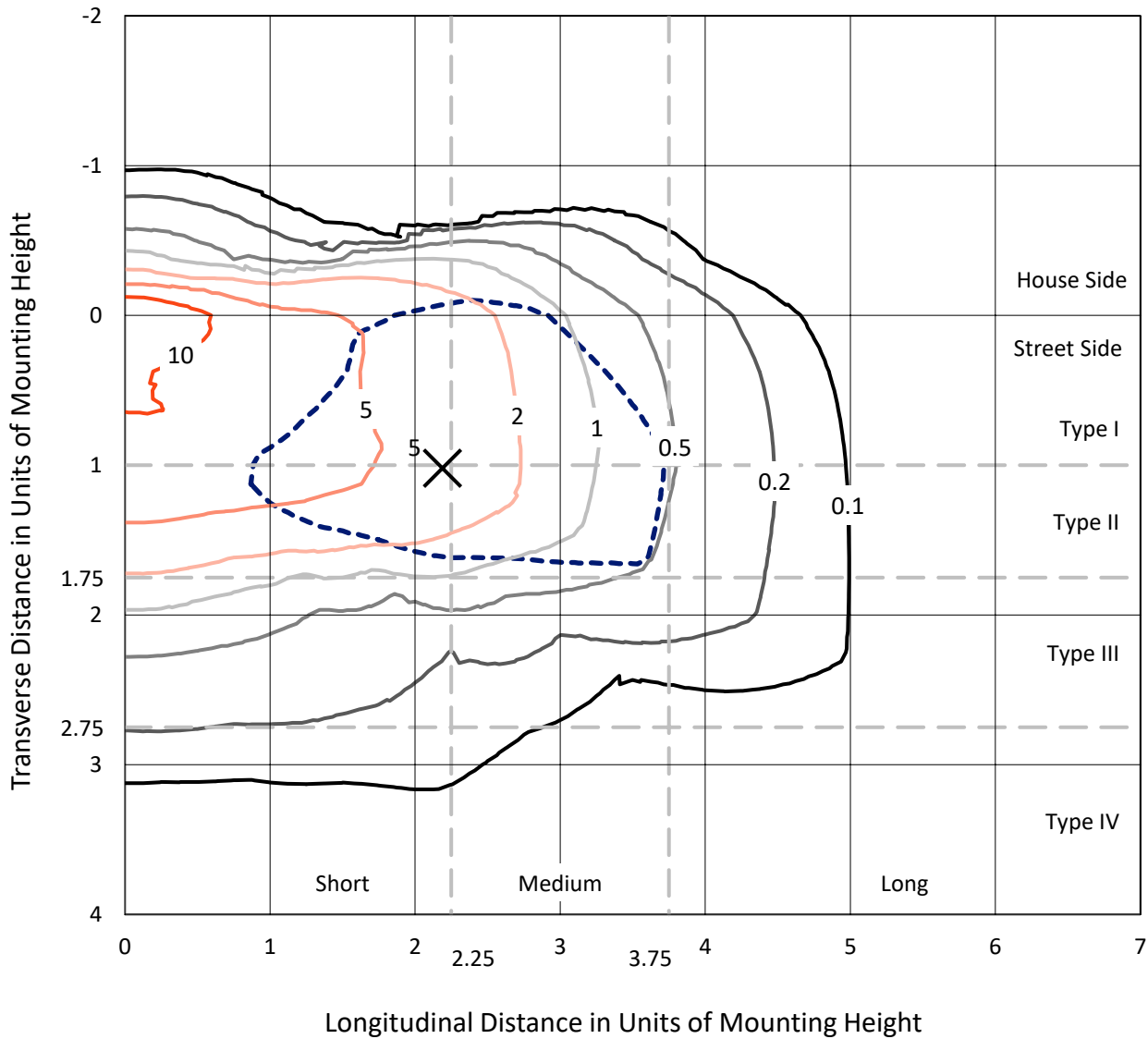
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

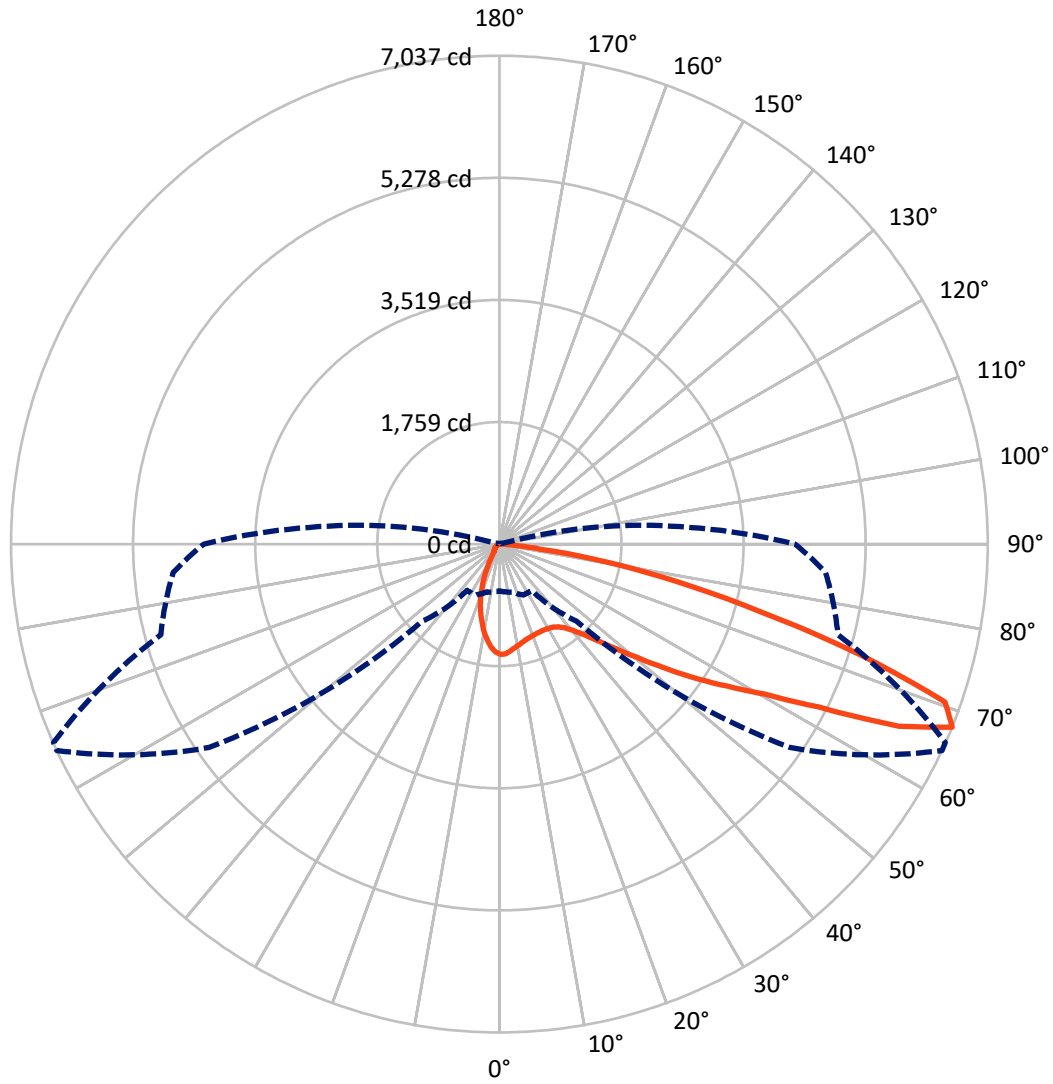
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 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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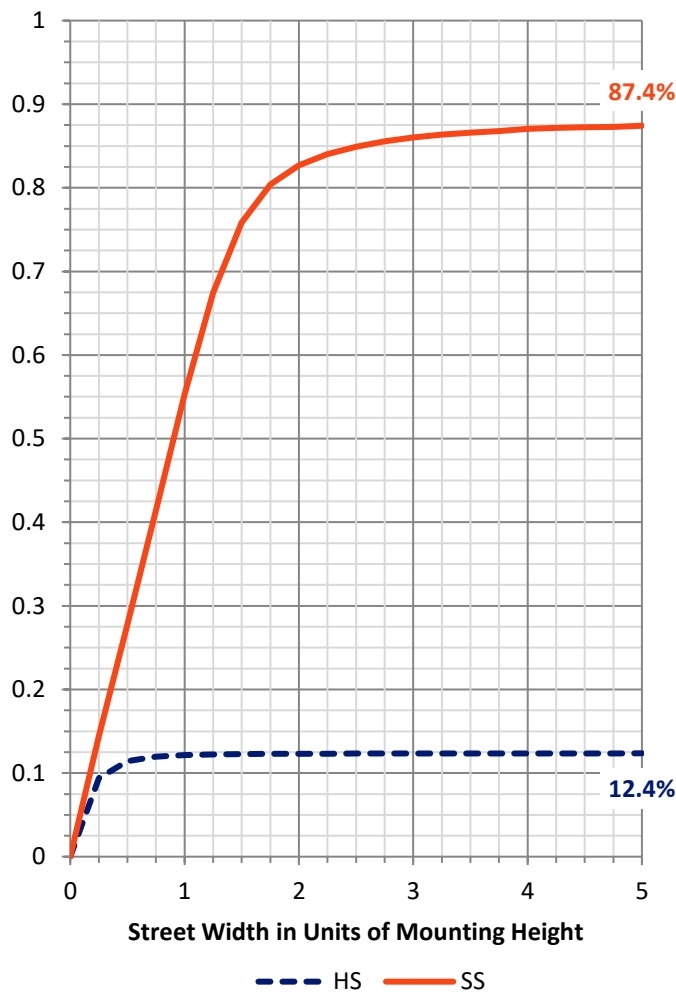
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.9	0.0	817.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5732.2	0.0	5732.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	6550.1	0.0	6550.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	2.0
10°-20°	296.6	4.5
20°-30°	423.8	6.5
30°-40°	616.6	9.4
40°-50°	965.7	14.7
50°-60°	1506.5	23.0
60°-70°	1654.9	25.3
70°-80°	880.7	13.4
80°-90°	73.3	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°	6550.1	100.0
0°-180°	6550.1	100.0

Coefficient of Utilization

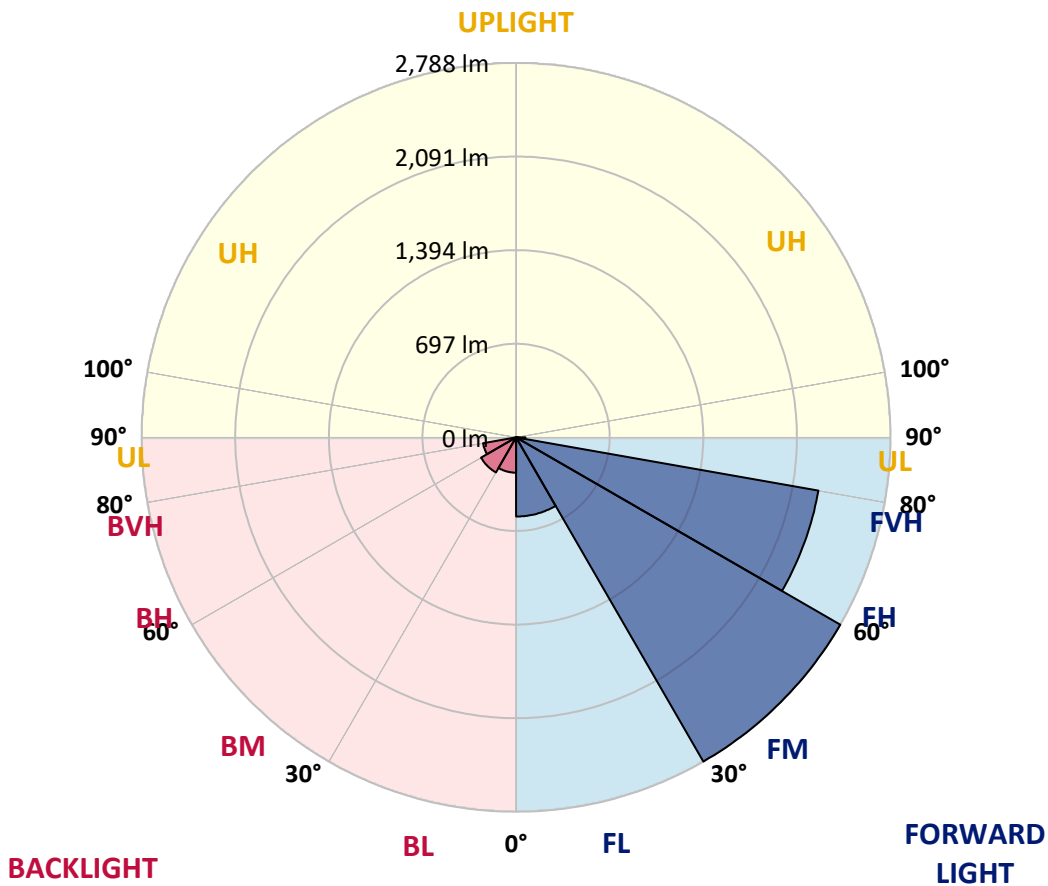


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.5	9.0			
FM (30°-60°)	2787.6	42.6			
FH (60°-80°)	2285.7	34.9			G2/5000
FVH (80°-90°)	69.4	1.1			G1/100
BL (0°-30°)	262.9	4.0	B1/500		
BM (30°-60°)	301.3	4.6	B1/1000		
BH (60°-80°)	249.8	3.8	B1/500		G1/500
BVH (80°-90°)	3.9	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°	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6
2.5°	1533.5	1538.3	1531.7	1547.7	1550.7	1568.5	1578.5	1585.6	1585.1	1593.9	1593.9
5°	1443.5	1448.2	1444.7	1461.8	1475.5	1503.3	1526.4	1553.1	1554.3	1581.5	1591.6
7.5°	1367.1	1367.7	1367.7	1389.0	1406.8	1441.1	1475.5	1516.3	1521.1	1563.1	1589.8
10°	1304.3	1306.1	1306.7	1330.9	1350.5	1392.0	1435.8	1484.9	1490.3	1547.1	1588.6
12.5°	1261.1	1261.6	1264.0	1289.5	1310.8	1354.0	1398.5	1454.7	1461.8	1528.8	1583.3
15°	1240.3	1239.1	1240.3	1261.6	1283.0	1324.4	1370.0	1430.5	1438.2	1513.4	1583.9
17.5°	1239.1	1237.4	1236.2	1252.2	1265.8	1302.5	1348.7	1414.5	1422.8	1506.3	1590.4
20°	1256.3	1255.1	1249.2	1256.3	1259.3	1289.5	1335.1	1402.0	1410.3	1505.1	1604.6
22.5°	1301.3	1298.4	1289.5	1283.0	1267.0	1284.7	1325.6	1393.1	1402.6	1508.0	1623.0
25°	1368.3	1367.1	1355.8	1339.8	1299.0	1291.9	1326.2	1393.1	1402.0	1511.6	1642.5
27.5°	1469.0	1461.8	1447.6	1419.8	1361.2	1319.7	1338.1	1396.7	1405.6	1516.3	1658.5
30°	1571.4	1570.8	1566.1	1537.7	1450.6	1373.0	1362.9	1406.2	1414.5	1520.5	1673.3
32.5°	1677.5	1679.2	1691.1	1669.2	1573.8	1452.4	1407.9	1425.7	1431.6	1528.8	1686.3
35°	1778.1	1781.7	1813.1	1820.8	1723.7	1572.6	1481.4	1464.8	1465.4	1547.1	1703.5
37.5°	1874.7	1886.5	1936.9	1974.2	1910.2	1718.3	1587.4	1531.2	1526.4	1583.9	1729.6
40°	1984.3	2006.8	2070.2	2133.5	2113.4	1910.8	1731.9	1633.0	1623.0	1651.4	1776.4
42.5°	2105.7	2130.0	2214.1	2302.9	2312.4	2143.6	1912.6	1781.7	1764.5	1765.1	1864.0
45°	2236.0	2268.6	2366.3	2494.3	2551.7	2403.0	2135.3	1982.5	1965.3	1939.9	2005.0
47.5°	2407.2	2435.6	2529.8	2677.3	2787.5	2681.4	2427.3	2240.8	2209.4	2172.0	2224.2
50°	2554.7	2579.6	2660.7	2845.5	3074.7	3040.4	2758.4	2563.6	2533.4	2470.0	2513.2
52.5°	2587.3	2606.8	2681.4	2889.3	3294.5	3493.5	3164.2	2953.9	2932.6	2815.3	2831.9
55°	2441.0	2470.6	2537.5	2768.5	3351.9	3936.6	3690.8	3394.0	3349.6	3162.4	3192.0
57.5°	2071.3	2124.1	2186.9	2487.2	3196.2	4172.3	4426.4	3860.2	3819.9	3496.5	3497.1
60°	1518.1	1560.8	1602.8	1877.7	2826.6	4156.3	5094.0	4383.8	4310.3	3769.5	3759.5
62.5°	1104.1	1126.0	1125.4	1223.1	1941.0	3882.7	5444.6	5172.7	5001.6	4061.5	4004.1
65°	868.3	867.8	893.2	925.2	1083.9	2997.1	5487.9	6324.8	6140.0	4453.1	4333.4
67.5°	675.8	688.9	714.3	808.5	814.4	1568.5	5107.6	7037.4	7033.8	5050.7	4719.0
70°	521.2	539.0	575.1	712.6	752.2	877.8	3821.7	6811.7	6869.1	5317.9	4446.0
72.5°	334.7	333.5	386.8	575.7	722.6	731.5	2113.4	5410.9	5476.0	4816.8	3594.8
75°	187.2	188.4	218.6	352.4	673.5	688.3	1046.6	3858.4	3909.9	3755.3	2762.0
77.5°	73.4	75.8	102.5	185.4	444.2	614.8	621.9	2631.1	2638.8	2327.2	1694.0
80°	29.6	31.4	52.1	114.9	270.7	414.0	444.2	1550.1	1518.7	900.9	492.8
82.5°	8.9	9.5	20.7	65.2	141.6	294.4	299.7	594.7	561.5	193.7	125.6
85°	0.6	0.6	4.7	20.1	50.3	74.0	199.6	193.7	171.8	48.6	55.7
87.5°	0.0	0.0	0.6	0.6	1.2	2.4	21.3	35.5	36.1	8.9	24.9
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°	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6	1588.6
2.5°	1593.9	1572.6	1570.8	1554.3	1537.7	1516.9	1492.6	1474.9	1462.4	1440.5	1436.4
5°	1591.6	1563.1	1536.5	1489.1	1436.4	1379.5	1329.8	1283.6	1254.5	1235.0	1226.7
7.5°	1586.8	1550.7	1489.1	1399.7	1311.4	1211.9	1134.3	1063.2	1014.6	986.2	973.8
10°	1583.3	1534.7	1434.6	1299.0	1162.1	1024.7	906.8	801.4	742.8	696.6	688.9
12.5°	1576.2	1511.6	1364.7	1181.1	1004.6	822.1	671.7	542.6	453.1	412.8	398.6
15°	1569.1	1487.3	1294.8	1056.7	832.8	607.7	425.3	300.9	239.3	220.3	219.2
17.5°	1567.9	1465.4	1219.0	938.8	652.7	398.0	242.3	194.9	181.8	177.1	177.1
20°	1571.4	1447.0	1144.4	803.2	475.6	242.3	180.7	168.8	161.1	157.0	157.0
22.5°	1575.0	1428.1	1072.7	666.4	315.7	177.1	159.3	149.3	140.4	135.6	133.3
25°	1577.4	1407.4	993.3	528.9	206.1	154.0	139.8	126.8	116.1	110.2	110.2
27.5°	1576.8	1382.5	913.4	394.5	159.9	136.8	119.6	106.0	95.4	88.8	89.4
30°	1572.0	1355.2	830.4	275.4	139.8	119.6	102.5	88.3	77.6	72.3	71.7
32.5°	1568.5	1326.2	734.5	193.7	125.6	104.8	87.1	73.4	64.6	60.4	59.8
35°	1564.3	1297.8	643.3	147.5	113.1	90.6	73.4	62.2	55.1	51.5	51.5
37.5°	1565.5	1268.2	544.3	126.8	100.7	78.8	62.8	53.3	47.4	43.8	43.2
40°	1583.9	1250.4	447.2	114.9	89.4	68.1	54.5	46.2	40.3	36.7	36.1
42.5°	1629.5	1251.0	354.2	106.0	79.4	58.0	47.4	39.7	34.4	30.2	29.6
45°	1720.7	1275.9	271.9	96.5	68.7	50.3	40.9	33.8	28.4	24.9	24.3
47.5°	1870.0	1349.9	206.1	88.3	59.8	43.8	34.9	28.4	23.7	20.7	20.1
50°	2107.5	1483.8	162.3	78.2	50.3	37.9	29.6	23.7	19.5	16.6	16.0
52.5°	2393.0	1684.6	139.2	69.3	43.2	33.2	25.5	19.5	16.0	13.6	13.0
55°	2721.1	1924.5	128.5	60.4	36.7	28.4	20.7	16.0	13.0	11.3	10.1
57.5°	3022.0	2140.6	127.9	51.5	31.4	24.3	17.2	13.6	11.3	8.9	8.3
60°	3315.2	2321.3	120.2	42.6	27.2	20.1	14.8	11.3	9.5	7.7	7.1
62.5°	3581.2	2468.2	100.7	34.4	23.1	16.6	12.4	10.1	8.3	6.5	6.5
65°	3915.2	2655.4	77.0	27.8	19.0	13.6	10.7	8.9	7.7	5.9	5.9
67.5°	4260.6	2754.3	55.1	23.1	15.4	11.8	9.5	8.3	6.5	5.3	5.3
70°	3859.0	2327.2	39.7	19.0	13.0	10.1	8.3	7.7	6.5	5.3	4.7
72.5°	3013.7	1678.0	29.6	14.8	11.3	9.5	7.7	7.1	5.9	4.7	4.7
75°	2234.8	978.5	22.5	11.8	8.9	7.7	7.7	7.1	5.9	4.7	4.1
77.5°	1214.9	341.2	17.2	9.5	7.1	5.9	6.5	6.5	5.3	4.1	3.6
80°	321.6	93.6	11.8	7.1	5.9	4.7	4.7	5.9	4.7	3.6	3.6
82.5°	93.6	27.2	8.3	5.9	4.7	4.1	4.1	4.1	3.6	3.0	2.4
85°	45.6	10.1	5.9	4.7	4.1	3.6	3.0	3.0	2.4	1.8	1.8
87.5°	20.1	4.1	4.7	4.1	4.1	3.0	2.4	1.8	1.8	1.2	0.6
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)