

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: P632107

Luminaire Tested: GWS-SA2C-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6804.9 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

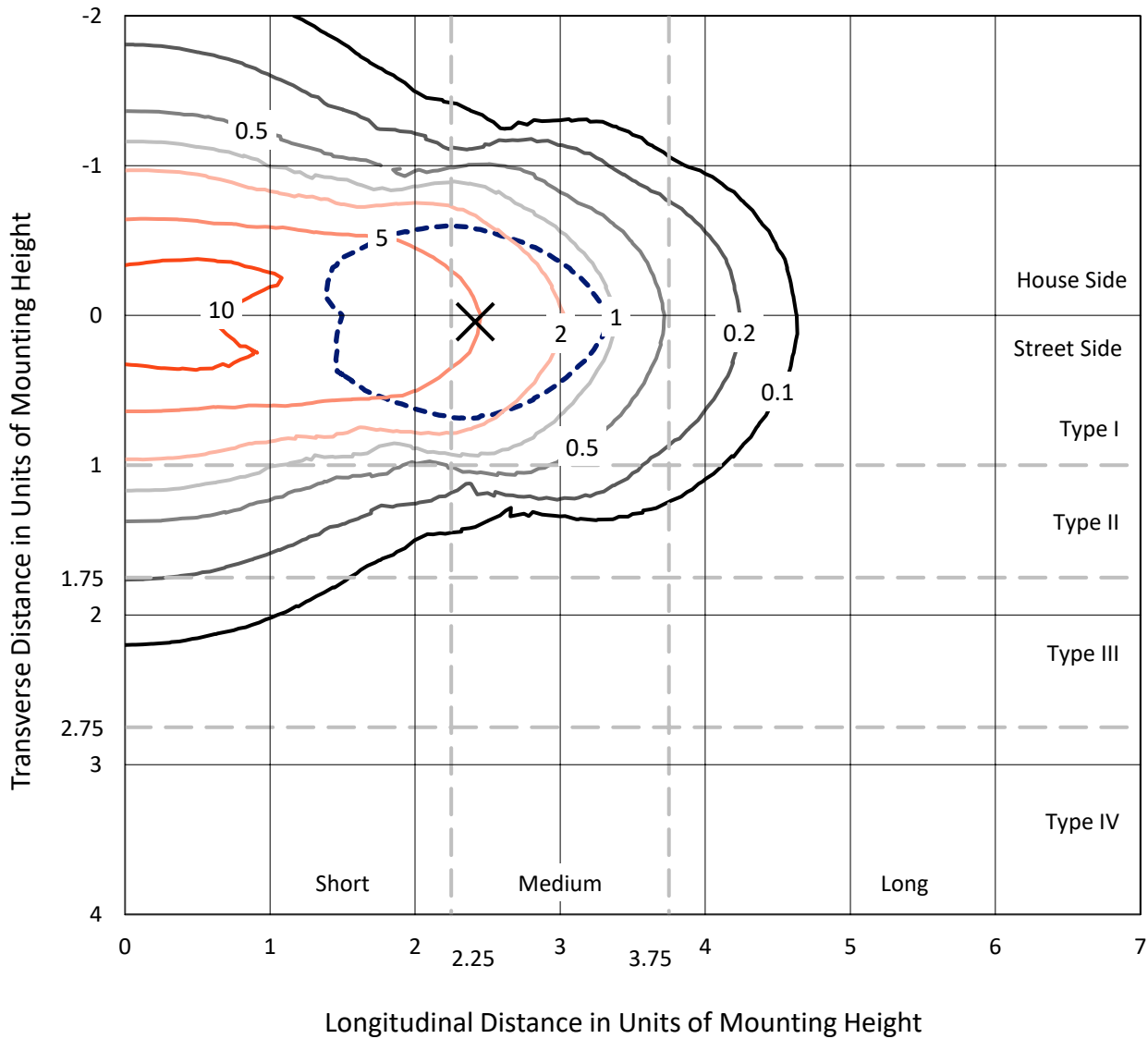
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

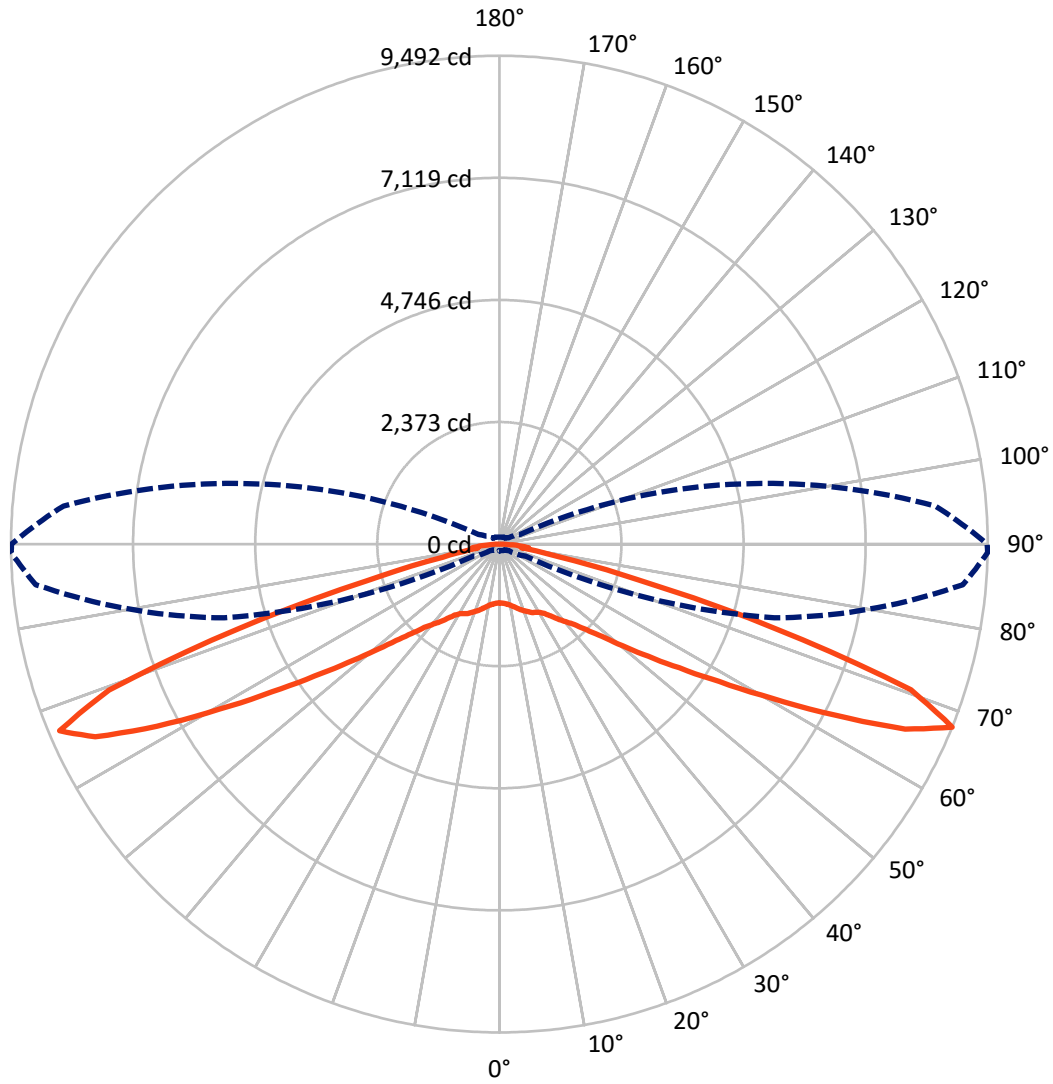
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3372.6	0.0	3372.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3432.3	0.0	3432.3
	% Fixture	50.4	0.0	50.4
Total	Lumens	6804.9	0.0	6804.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	1.7
10°-20°	373.0	5.5
20°-30°	630.6	9.3
30°-40°	865.4	12.7
40°-50°	1103.6	16.2
50°-60°	1384.7	20.3
60°-70°	1670.0	24.5
70°-80°	604.2	8.9
80°-90°	58.8	0.9
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°	6804.9	100.0
0°-180°	6804.9	100.0

Coefficient of Utilization



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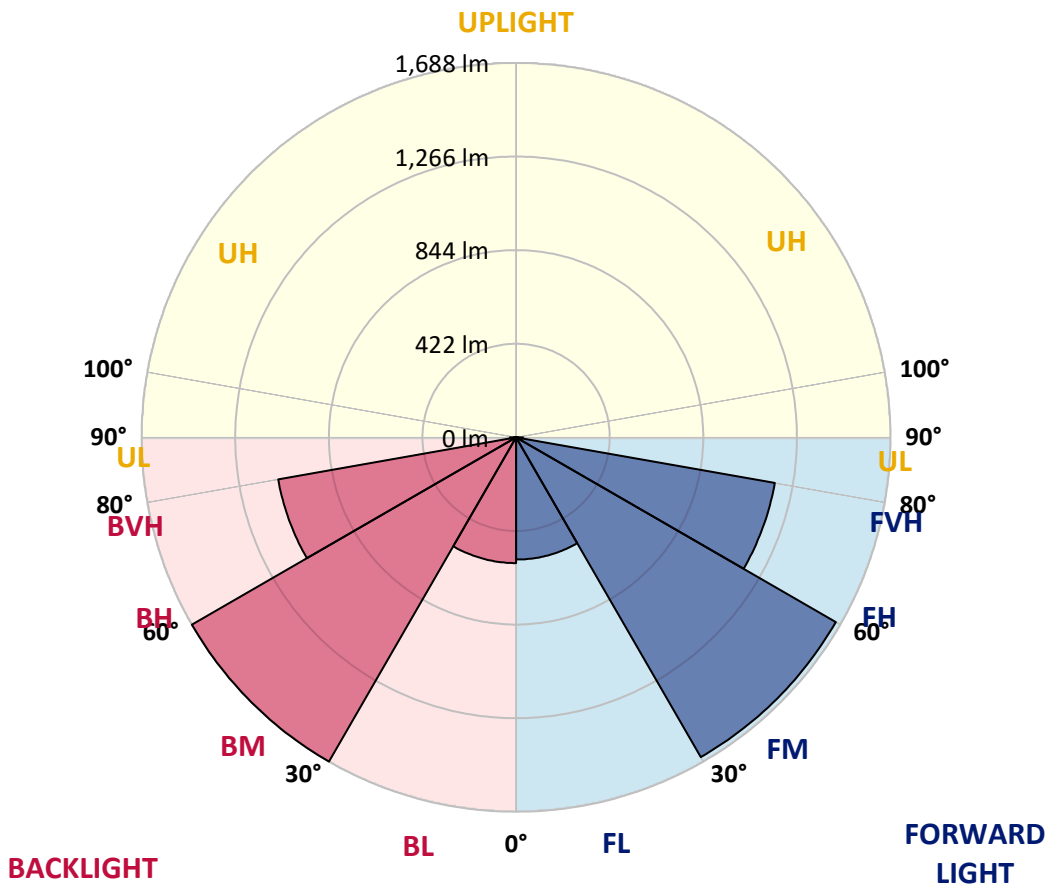
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.1	8.1			
FM (30°-60°)	1665.3	24.5			
FH (60°-80°)	1184.8	17.4			G1/1800
FVH (80°-90°)	31.0	0.5			G1/100
BL (0°-30°)	567.1	8.3	B2/1000		
BM (30°-60°)	1688.4	24.8	B2/2500		
BH (60°-80°)	1089.4	16.0	B3/2500		G3/2500
BVH (80°-90°)	27.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1
2.5°	1145.6	1144.6	1142.1	1149.5	1148.0	1148.5	1151.4	1149.5	1146.1	1140.2	1140.2	1148.5
5°	1177.8	1177.3	1172.0	1176.4	1171.5	1168.1	1167.6	1162.7	1158.8	1152.4	1152.4	1161.2
7.5°	1209.1	1208.6	1204.2	1212.0	1208.1	1204.2	1199.8	1190.0	1180.8	1171.5	1171.5	1181.2
10°	1233.1	1232.6	1231.6	1242.8	1243.8	1245.3	1243.3	1226.7	1210.6	1199.3	1199.3	1209.1
12.5°	1246.7	1248.2	1250.6	1271.2	1281.4	1291.2	1293.7	1280.0	1253.1	1237.0	1237.0	1248.7
15°	1237.4	1240.4	1252.6	1289.7	1318.1	1340.1	1349.4	1338.1	1303.4	1276.5	1276.5	1289.7
17.5°	1193.0	1195.4	1219.4	1276.1	1338.6	1389.4	1404.6	1397.8	1359.1	1326.4	1326.4	1339.1
20°	1131.4	1136.8	1162.7	1241.8	1335.2	1423.7	1464.2	1461.8	1419.7	1369.4	1369.4	1384.6
22.5°	1075.7	1082.0	1109.4	1196.9	1312.2	1432.4	1524.3	1530.7	1475.0	1412.4	1412.4	1424.6
25°	1013.1	1019.0	1054.2	1143.6	1272.6	1425.6	1575.6	1604.5	1537.5	1461.8	1461.8	1473.0
27.5°	949.1	953.5	988.2	1083.5	1220.8	1412.9	1616.2	1685.6	1599.1	1496.0	1496.0	1503.8
30°	892.9	898.8	930.5	1023.4	1164.1	1387.5	1649.4	1772.1	1670.0	1534.6	1534.6	1540.9
32.5°	838.7	843.5	878.2	964.3	1104.0	1348.4	1679.3	1873.8	1775.0	1606.4	1606.4	1606.4
35°	770.2	779.0	818.1	907.6	1047.3	1296.6	1700.8	1992.0	1918.7	1712.5	1712.5	1713.0
37.5°	707.2	712.1	753.1	843.5	987.7	1237.9	1702.7	2114.7	2100.5	1847.4	1847.4	1848.4
40°	635.3	641.7	685.7	775.1	919.3	1176.4	1684.1	2229.1	2291.1	1986.2	1986.2	1980.8
42.5°	562.5	571.8	613.8	701.3	845.5	1101.1	1634.8	2338.1	2533.1	2147.0	2147.0	2133.8
45°	492.1	498.0	540.0	622.6	760.9	1011.2	1555.6	2442.6	2820.4	2391.3	2391.3	2372.3
47.5°	413.0	415.4	458.9	538.1	673.5	911.0	1442.2	2536.0	3136.1	2714.9	2714.9	2682.1
50°	342.6	346.0	380.2	448.2	566.4	792.2	1301.0	2590.7	3538.4	3156.2	3156.2	3099.5
52.5°	277.1	280.5	307.9	362.1	468.2	656.8	1126.0	2578.0	3946.4	3704.0	3704.0	3621.4
55°	223.8	226.3	244.9	287.4	368.5	522.4	919.3	2464.1	4399.5	4419.5	4419.5	4241.6
57.5°	189.1	190.1	202.8	228.7	287.9	402.7	709.6	2195.3	4874.5	5332.5	5332.5	5040.2
60°	169.1	169.6	175.5	191.6	227.3	307.4	520.0	1767.2	5366.7	6474.6	6474.6	6073.9
62.5°	156.4	156.4	161.3	170.6	188.6	236.5	382.2	1269.2	5720.0	7717.4	7717.4	7319.1
65°	144.2	144.2	147.6	155.4	165.2	193.0	286.9	818.6	5893.5	8756.5	8756.5	8668.0
67.5°	128.5	129.0	131.5	139.8	148.6	161.3	217.5	553.7	5533.3	9043.8	9043.8	9491.5
70°	113.9	114.4	117.8	123.2	130.5	139.3	170.1	381.7	4027.6	7532.2	7532.2	8486.7
72.5°	97.7	99.7	102.1	108.0	112.4	118.8	138.8	247.3	2343.4	4845.2	4845.2	5610.1
75°	80.2	82.6	85.5	91.4	94.3	96.8	114.4	176.4	1127.5	2455.3	2455.3	2796.0
77.5°	62.1	64.5	67.9	73.3	75.3	78.2	87.5	127.6	540.0	1088.4	1088.4	1173.4
80°	41.5	42.5	45.5	51.8	55.2	57.2	64.5	87.0	234.6	436.9	436.9	433.0
82.5°	25.4	25.9	26.9	30.8	32.3	34.2	42.0	53.3	111.9	496.5	496.5	569.4
85°	9.3	8.8	8.3	10.8	12.7	14.7	19.5	26.9	48.9	341.1	341.1	381.7
87.5°	0.0	0.0	0.0	0.5	1.0	1.0	2.0	3.9	11.7	127.6	127.6	87.5
90°	0.0	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°	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1	1142.1
2.5°	1146.1	1140.7	1147.5	1152.4	1163.2	1167.1	1168.1	1164.6	1164.6	1158.8	1159.7
5°	1159.3	1155.8	1167.1	1175.4	1191.0	1196.9	1200.8	1198.4	1199.8	1195.9	1196.9
7.5°	1179.3	1176.4	1195.9	1212.0	1228.2	1235.0	1238.4	1236.5	1237.0	1232.1	1233.5
10°	1207.1	1208.1	1231.6	1252.6	1274.1	1280.9	1282.4	1276.5	1271.7	1262.9	1263.4
12.5°	1245.3	1250.2	1283.4	1306.8	1328.8	1338.6	1327.9	1306.4	1286.3	1271.2	1269.2
15°	1286.8	1295.6	1343.5	1373.3	1397.3	1392.4	1360.6	1312.2	1272.6	1250.2	1245.8
17.5°	1336.7	1349.9	1410.0	1445.6	1466.2	1434.9	1368.4	1296.1	1240.9	1210.6	1204.7
20°	1383.6	1404.6	1480.3	1526.8	1529.2	1458.8	1365.0	1263.4	1194.0	1156.8	1149.0
22.5°	1426.6	1453.5	1554.1	1613.3	1581.5	1469.6	1344.0	1216.9	1137.3	1093.8	1086.9
25°	1473.5	1511.6	1640.2	1695.4	1633.8	1465.2	1300.0	1159.3	1068.8	1024.4	1019.5
27.5°	1505.8	1553.7	1726.7	1779.4	1676.8	1440.3	1243.3	1096.2	1006.3	964.3	957.4
30°	1542.9	1604.0	1822.0	1870.8	1703.2	1403.6	1182.7	1037.6	948.1	902.7	897.8
32.5°	1610.3	1687.1	1940.2	1967.6	1711.5	1358.2	1124.6	980.9	887.5	842.1	835.2
35°	1718.8	1808.8	2106.4	2075.6	1705.2	1308.3	1069.3	914.4	825.5	782.9	776.1
37.5°	1855.7	1967.6	2291.6	2172.9	1687.6	1253.6	1003.8	858.7	769.7	726.7	722.8
40°	1983.2	2121.1	2499.3	2256.9	1651.9	1186.1	940.8	800.5	709.6	664.2	655.4
42.5°	2143.1	2326.3	2739.8	2329.7	1593.2	1105.5	869.9	728.7	634.4	593.3	582.6
45°	2385.9	2613.7	3019.3	2399.6	1505.8	1006.3	781.0	641.2	551.8	509.7	501.4
47.5°	2689.0	2972.9	3322.3	2441.2	1372.8	901.7	680.3	548.8	459.4	412.0	408.1
50°	3114.6	3495.4	3647.3	2433.8	1224.3	777.6	566.9	438.9	364.1	329.9	324.5
52.5°	3633.2	4151.2	3998.7	2345.9	1066.4	636.3	441.8	344.6	288.8	264.4	260.0
55°	4283.7	4936.6	4368.7	2157.2	867.0	487.3	347.0	271.7	233.6	218.9	217.0
57.5°	5089.1	5953.6	4725.0	1839.6	652.0	371.9	267.3	224.3	206.2	197.4	197.0
60°	6152.1	7033.2	5034.3	1429.5	466.7	284.4	220.9	200.4	186.2	180.3	179.9
62.5°	7415.9	8013.6	5226.9	973.5	350.9	226.8	194.5	181.8	173.5	170.1	169.6
65°	8714.9	8633.3	5135.0	637.8	266.4	192.6	174.5	167.6	160.3	156.9	156.9
67.5°	9482.2	8502.3	4429.8	442.8	211.1	169.1	157.4	151.0	138.8	135.9	135.9
70°	8398.7	6889.5	2903.5	324.0	171.1	148.1	136.8	128.0	123.2	120.2	119.7
72.5°	5554.8	4483.1	1543.9	224.8	142.7	126.1	115.8	112.4	106.5	103.6	103.1
75°	2764.7	2354.7	791.2	162.3	118.8	101.2	96.8	95.3	90.4	86.5	85.5
77.5°	1152.4	1048.3	369.0	117.8	90.4	81.6	77.7	77.7	72.3	67.9	66.0
80°	434.5	387.1	174.5	80.6	67.0	60.6	58.2	56.2	51.8	46.4	43.5
82.5°	581.1	379.7	85.5	50.3	44.0	39.1	35.7	34.2	31.8	29.3	27.4
85°	376.3	269.8	38.6	25.9	22.0	16.6	14.7	13.7	12.2	10.8	9.8
87.5°	76.7	90.4	11.7	4.9	2.9	1.5	1.5	0.5	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)