

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P653642

Luminaire Tested: **GLAN-SA1A-840-U-AFL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P653642  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1A-840-U-AFL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2903.1 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

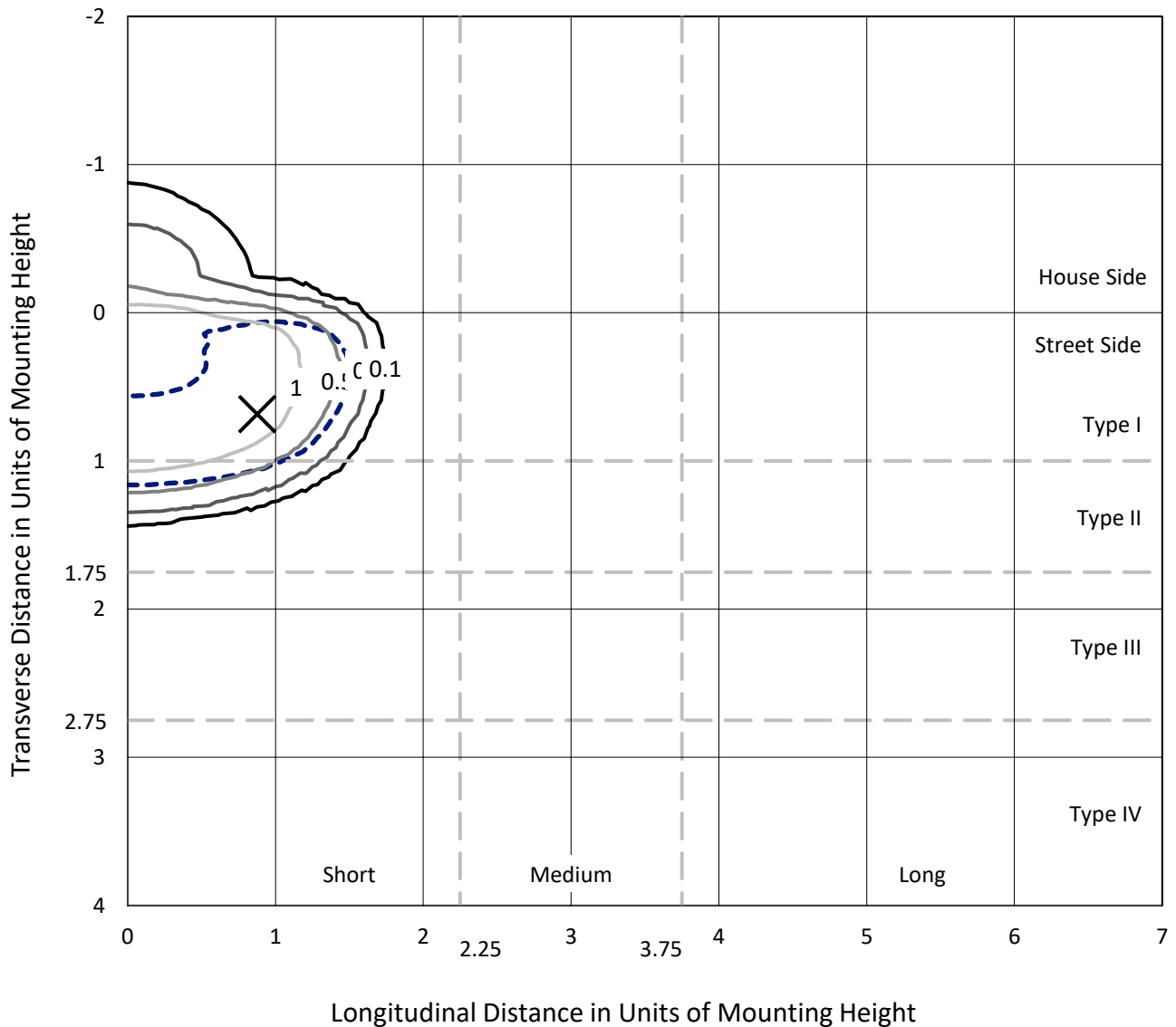
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

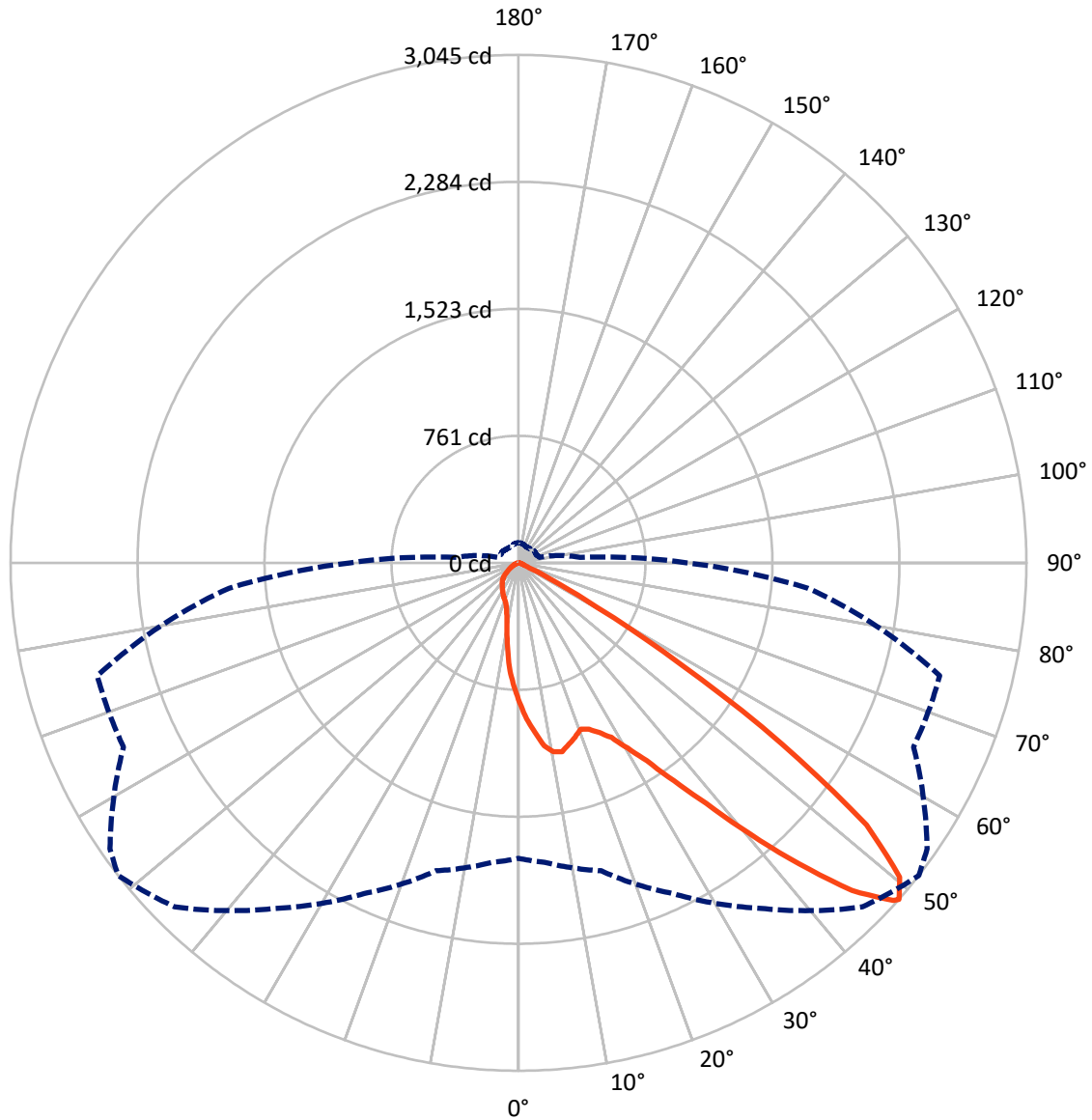
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral      - - - Horizontal Cone Through 48-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	353.5	0.0	353.5
	% Fixture	12.2	0.0	12.2
<b>Street Side</b>	Lumens	2549.6	0.0	2549.6
	% Fixture	87.8	0.0	87.8
<b>Total</b>	Lumens	2903.1	0.0	2903.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	2.6
10°-20°	200.5	6.9
20°-30°	342.4	11.8
30°-40°	630.5	21.7
40°-50°	979.2	33.7
50°-60°	589.3	20.3
60°-70°	68.2	2.3
70°-80°	13.2	0.5
80°-90°	3.0	0.1
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°	2903.1	100.0
0°-180°	2903.1	100.0

**Coefficient of Utilization**

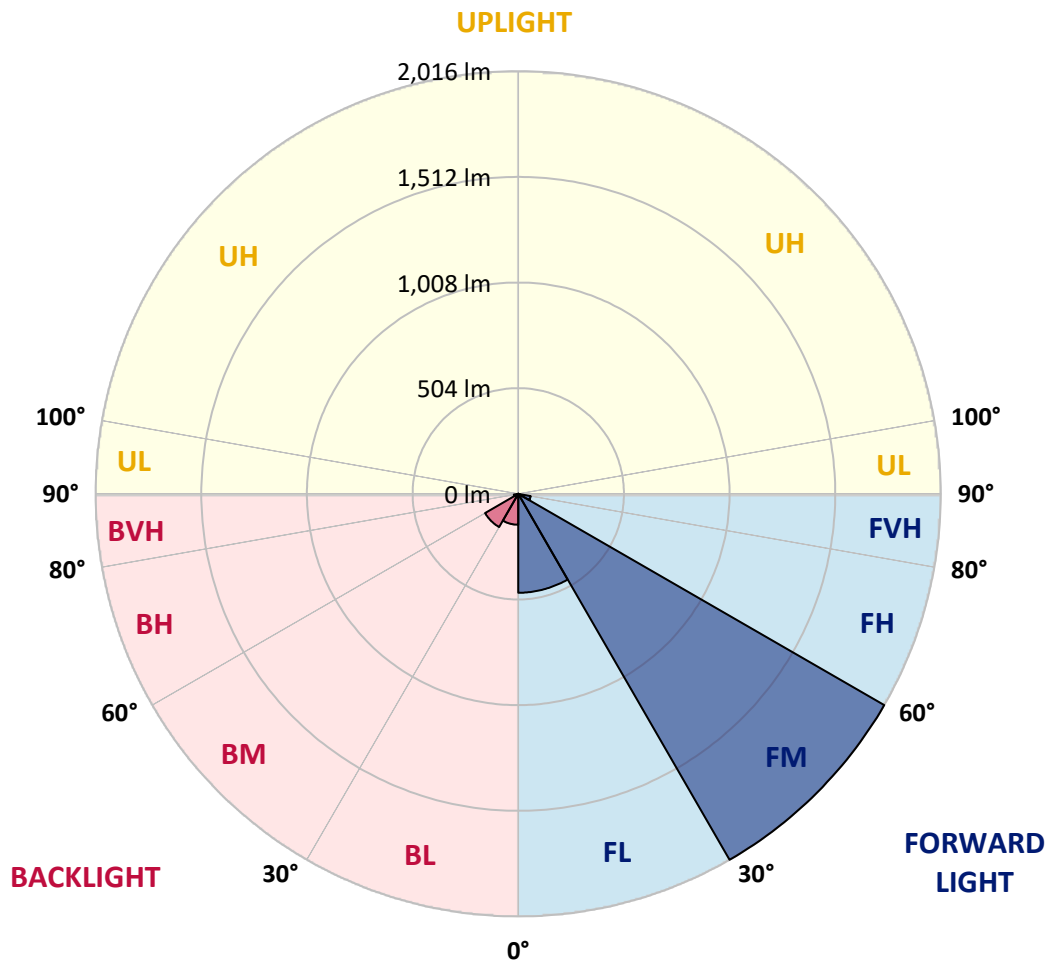


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.0	16.3			
FM (30°-60°)	2016.2	69.4			
FH (60°-80°)	60.0	2.1			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	147.7	5.1	B1/500		
BM (30°-60°)	182.9	6.3	B0/220		
BH (60°-80°)	21.3	0.7	B0/110		G0/110
BVH (80°-90°)	1.6	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4
2.5°	1016.1	992.9	995.0	979.8	970.9	956.5	937.0	933.2	912.0	883.2	854.0
5°	1107.5	1102.0	1109.2	1087.2	1088.1	1064.4	1018.7	1019.5	970.9	923.8	878.6
7.5°	1113.5	1100.8	1107.9	1127.4	1138.9	1134.6	1108.8	1086.4	1040.2	971.3	905.3
10°	997.1	1021.2	1028.8	1061.0	1106.7	1154.9	1152.0	1153.3	1114.7	1024.6	928.1
12.5°	927.3	911.1	937.0	956.5	1025.4	1119.0	1161.7	1171.0	1174.0	1076.2	950.9
15°	895.5	895.5	899.7	905.3	955.2	1041.5	1128.7	1155.8	1219.7	1143.9	986.9
17.5°	915.4	914.6	920.5	909.0	927.7	994.1	1098.3	1129.1	1270.9	1210.4	1015.3
20°	975.9	978.8	975.1	942.1	943.3	993.3	1064.4	1113.1	1305.6	1267.9	1052.9
22.5°	1060.2	1061.8	1040.2	1004.2	993.7	1018.2	1083.8	1121.1	1333.5	1336.9	1064.4
25°	1157.5	1150.7	1146.5	1095.7	1063.5	1084.7	1127.9	1149.4	1350.9	1396.1	1096.9
27.5°	1292.4	1278.9	1253.1	1207.8	1184.1	1154.1	1185.0	1220.5	1400.4	1479.2	1132.5
30°	1491.8	1480.0	1429.6	1371.2	1309.0	1279.3	1289.1	1308.6	1489.7	1575.2	1179.5
32.5°	1791.8	1766.9	1694.1	1582.8	1498.2	1416.5	1414.0	1434.7	1569.6	1708.1	1235.3
35°	2122.4	2114.8	2007.7	1893.0	1729.3	1603.1	1605.2	1616.2	1722.9	1882.4	1308.6
37.5°	2342.0	2383.9	2315.8	2192.7	2055.1	1874.8	1829.1	1832.9	1933.2	2089.0	1440.6
40°	2511.7	2476.2	2484.2	2455.5	2361.5	2238.7	2137.7	2117.7	2176.6	2317.5	1571.8
42.5°	2437.7	2439.4	2488.9	2557.1	2580.3	2571.4	2468.2	2430.5	2384.7	2504.6	1696.6
45°	2228.6	2272.2	2336.6	2516.9	2675.1	2823.7	2803.3	2740.7	2528.6	2652.7	1768.6
47.5°	1895.1	1893.4	1998.8	2233.3	2585.0	2932.8	3025.1	2981.1	2630.6	2636.2	1753.7
48°	1772.0	1802.4	1911.2	2187.1	2527.8	2916.8	3045.0	2989.6	2613.3	2614.2	1741.1
50°	1309.9	1304.3	1439.8	1778.3	2257.8	2740.7	2961.2	3004.4	2612.9	2502.8	1652.2
52.5°	692.0	715.6	814.3	1118.1	1596.3	2243.0	2612.1	2679.3	2520.6	2320.9	1524.4
55°	294.1	265.8	341.5	504.9	898.0	1498.6	1916.3	2066.1	2131.3	2053.8	1333.5
57.5°	105.0	114.7	132.0	190.0	377.5	820.1	1142.7	1259.1	1476.5	1507.1	908.6
60°	67.3	68.5	74.1	87.2	141.8	316.1	542.1	634.8	733.4	757.2	424.0
62.5°	52.1	52.5	55.0	57.1	67.3	122.7	203.5	241.2	250.5	215.4	111.3
65°	43.6	44.0	44.8	44.8	47.9	57.5	71.1	78.3	76.2	75.4	63.1
67.5°	33.5	34.3	36.0	36.0	37.7	35.2	39.4	41.9	47.4	57.5	53.7
70°	26.2	26.7	27.9	28.8	28.8	25.4	28.3	30.9	34.7	42.7	42.3
72.5°	20.4	21.2	22.0	22.0	20.8	17.3	20.4	22.5	25.0	29.6	28.8
75°	15.6	15.6	16.1	13.1	10.2	8.9	12.3	14.8	18.6	19.4	16.1
77.5°	4.2	4.6	4.2	3.8	4.2	6.3	8.1	9.3	11.9	11.9	10.6
80°	0.0	0.4	1.3	2.5	4.2	5.9	7.2	8.1	9.3	10.2	9.8
82.5°	0.0	0.4	1.3	2.5	3.8	4.6	6.3	6.8	7.7	8.9	8.9
85°	0.0	0.4	0.8	1.7	2.5	2.9	2.9	2.5	2.5	2.1	1.7
87.5°	0.0	0.0	0.4	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3
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°	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4
2.5°	842.6	829.5	809.6	778.3	748.2	728.7	710.1	689.4	678.0	677.2	670.8
5°	852.8	823.2	775.7	722.0	664.5	614.9	565.0	532.4	503.2	487.1	484.2
7.5°	858.2	819.7	743.2	653.0	554.8	474.0	418.1	377.1	361.0	349.2	348.8
10°	869.7	813.8	694.5	561.6	440.1	358.4	319.9	301.3	292.4	289.1	284.0
12.5°	878.2	802.8	644.5	467.7	347.8	297.1	280.1	275.9	276.4	278.0	275.9
15°	890.0	793.1	577.3	383.8	292.0	267.4	267.4	268.3	274.3	275.1	274.7
17.5°	889.2	774.1	507.9	316.1	258.2	254.7	256.0	264.1	267.9	269.1	266.2
20°	899.3	756.3	436.3	270.0	239.1	244.2	252.6	254.7	259.4	260.3	256.9
22.5°	896.3	711.8	369.9	233.6	224.7	234.5	242.9	245.5	244.2	241.6	241.2
25°	890.9	673.7	309.0	209.5	214.1	224.7	232.8	228.1	225.6	226.0	226.4
27.5°	881.1	625.5	258.6	192.6	199.7	215.4	215.0	213.3	215.8	213.7	215.8
30°	879.4	577.3	217.1	177.3	189.1	200.6	201.4	204.4	207.4	203.5	207.4
32.5°	882.0	524.4	187.5	168.0	182.8	183.3	192.6	195.5	193.4	184.9	185.8
35°	901.5	483.7	165.9	162.9	172.7	173.1	182.0	178.2	168.9	163.7	166.8
37.5°	942.5	449.9	155.8	158.3	159.1	164.7	165.1	157.4	158.3	157.9	159.5
40°	995.0	424.0	148.5	154.1	153.2	157.0	141.8	146.0	149.8	151.0	152.0
42.5°	1030.9	405.4	143.9	147.3	145.6	138.8	130.4	134.6	137.5	142.2	143.1
45°	1047.0	390.6	138.4	135.4	135.4	123.1	119.8	120.6	127.4	132.5	131.6
47.5°	1020.8	376.3	128.7	119.8	122.7	112.6	108.7	108.7	116.0	122.3	121.0
48°	1010.6	370.3	129.1	116.4	118.5	110.8	107.1	106.2	114.3	120.2	120.2
50°	960.3	348.3	118.1	107.1	102.9	102.0	99.5	100.3	105.4	110.8	110.8
52.5°	862.1	300.9	99.9	91.8	84.2	89.3	90.6	88.9	91.4	96.5	96.0
55°	719.5	231.1	80.0	76.2	70.2	75.8	78.3	76.2	73.7	77.5	77.5
57.5°	460.9	124.4	63.9	64.8	58.8	64.3	66.4	61.4	56.7	59.7	59.3
60°	207.8	74.5	52.5	51.2	47.4	53.7	57.1	51.2	44.8	47.0	49.1
62.5°	77.9	52.9	39.8	38.9	38.1	44.0	45.7	41.0	34.7	36.0	36.4
65°	57.1	46.6	31.7	28.8	30.4	34.7	33.9	29.2	25.0	25.0	25.8
67.5°	48.7	40.6	25.8	22.5	22.5	22.9	21.2	18.6	17.3	18.2	19.0
70°	38.1	32.1	20.4	17.3	15.6	14.0	12.3	11.9	10.6	11.9	11.4
72.5°	24.6	21.6	15.6	13.1	11.9	9.8	8.1	7.7	6.3	5.9	5.9
75°	13.1	13.1	12.3	10.6	9.3	7.7	6.3	5.0	3.4	2.5	2.5
77.5°	9.3	10.2	11.0	10.2	8.5	6.3	5.0	3.4	1.7	0.8	0.8
80°	8.9	10.2	11.0	9.8	8.5	6.3	4.6	2.5	1.3	0.4	0.4
82.5°	8.1	9.3	10.2	8.9	7.7	5.5	4.2	2.5	1.3	0.4	0.4
85°	1.7	2.1	2.5	2.5	2.9	3.8	2.9	2.1	0.8	0.4	0.4
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.8	0.8	0.4	0.4	0.4
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)