

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: P527459

Luminaire Tested: **GLAN-SA2C-727-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-727-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6975 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

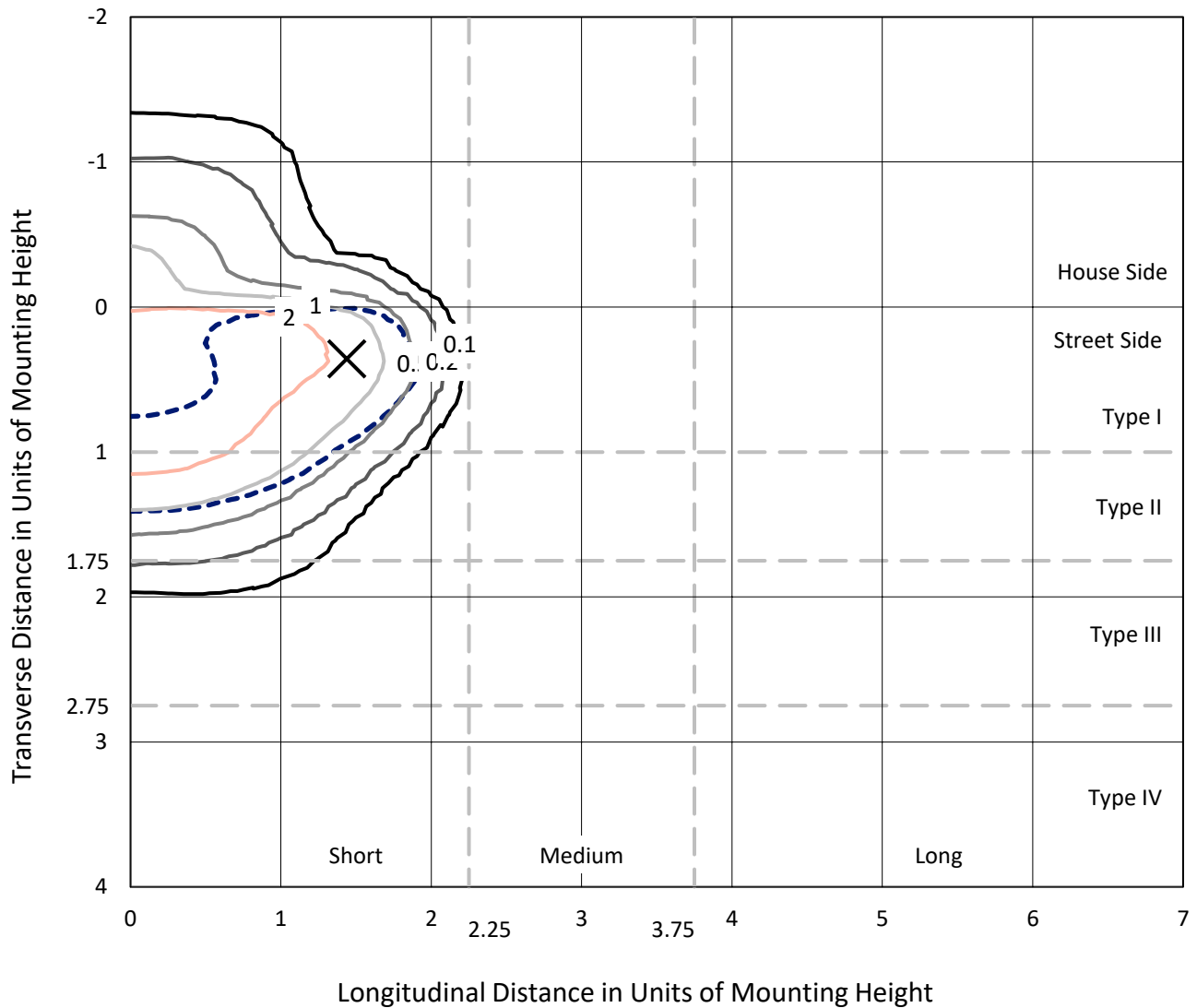
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527459
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Iso-Footcandle Lines of Horizontal Illumination

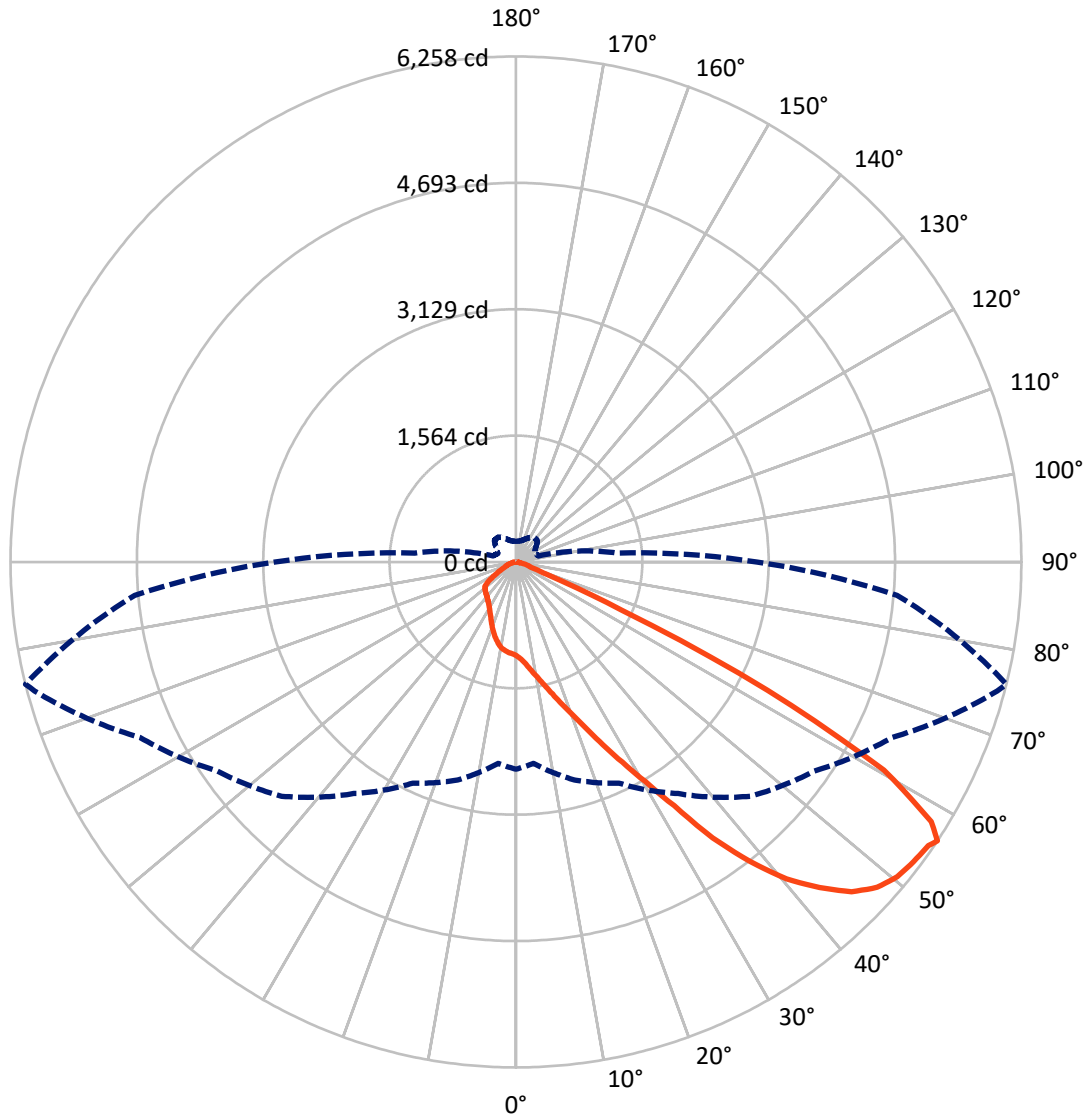
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - N/A

REPORT NUMBER: P527459
CATALOG NUMBER: GLAN-SA2C-727-U-T2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.7	0.0	1095.7
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	5879.3	0.0	5879.3
	% Fixture	84.3	0.0	84.3
Total	Lumens	6975.0	0.0	6975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	1.7
10°-20°	375.7	5.4
20°-30°	681.3	9.8
30°-40°	1174.9	16.8
40°-50°	1908.7	27.4
50°-60°	2011.9	28.8
60°-70°	614.7	8.8
70°-80°	78.8	1.1
80°-90°	12.0	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°	6975.0	100.0
0°-180°	6975.0	100.0

Coefficient of Utilization

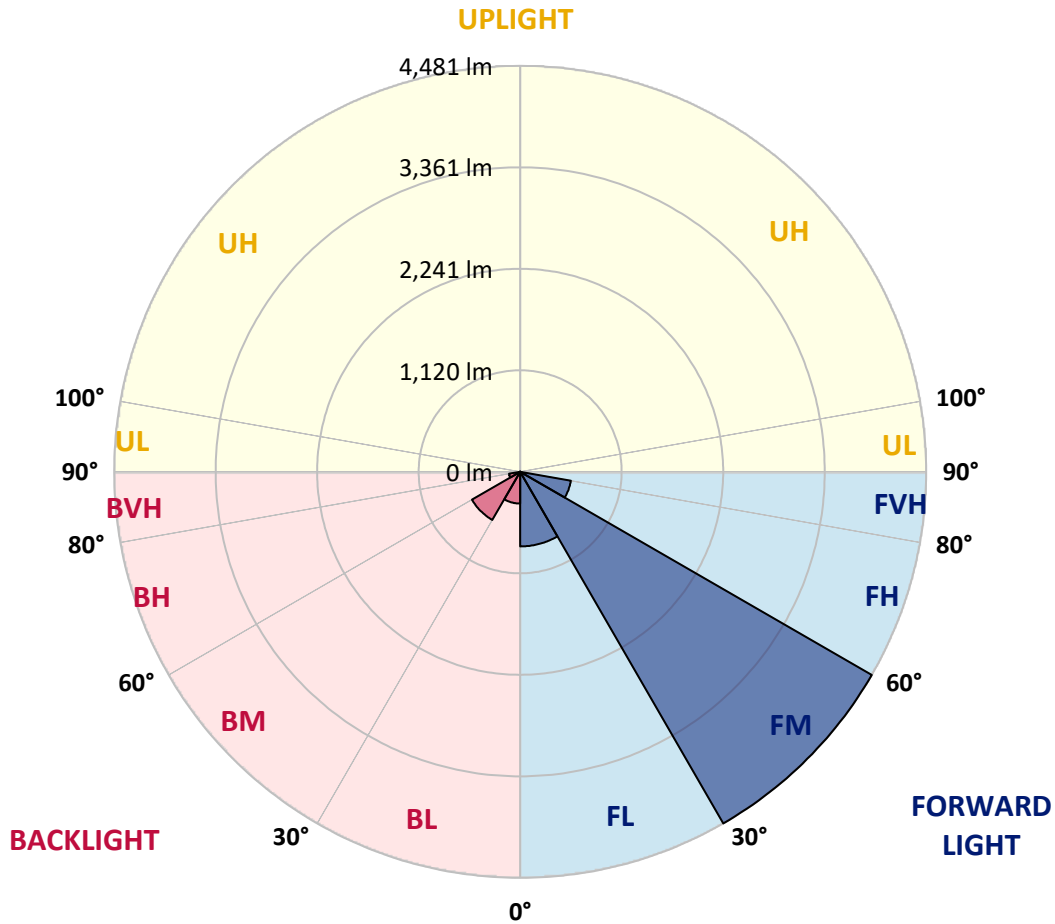


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	823.5	11.8			
FM (30°-60°)	4481.4	64.2			
FH (60°-80°)	568.5	8.2			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	350.5	5.0	B1/500		
BM (30°-60°)	614.1	8.8	B1/1000		
BH (60°-80°)	125.0	1.8	B1/500		G1/500
BVH (80°-90°)	6.1	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-G1
 Type II Short





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CATALOG NUMBER: GLAN-SA2C-727-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0
2.5°	1337.1	1306.3	1307.6	1305.0	1301.1	1287.0	1244.6	1238.1	1209.9	1202.1	1176.4
5°	1497.9	1470.9	1486.3	1463.1	1441.3	1428.4	1359.0	1326.9	1281.9	1265.1	1229.1
7.5°	1598.1	1585.3	1580.1	1581.4	1560.9	1528.7	1497.9	1427.1	1366.7	1353.9	1278.0
10°	1647.0	1639.3	1647.0	1643.1	1652.1	1656.0	1602.0	1559.6	1470.9	1449.0	1330.7
12.5°	1658.6	1674.0	1680.4	1697.1	1719.0	1756.3	1752.4	1694.6	1576.3	1562.1	1411.7
15°	1686.9	1699.7	1693.3	1720.3	1761.4	1824.4	1857.9	1848.9	1721.6	1695.9	1505.6
17.5°	1712.6	1689.4	1711.3	1765.3	1806.4	1902.9	1983.9	2021.1	1879.7	1850.1	1591.7
20°	1747.3	1740.9	1737.0	1764.0	1837.3	1965.9	2126.6	2194.7	2057.1	2026.3	1715.1
22.5°	1852.7	1854.0	1851.4	1811.6	1864.3	2009.6	2251.3	2419.7	2269.3	2243.6	1855.3
25°	1991.6	1974.9	1962.0	1929.9	1923.4	2049.4	2377.3	2694.9	2523.9	2505.9	2007.0
27.5°	2138.1	2138.1	2099.6	2070.0	2028.9	2148.4	2493.0	2962.3	2831.1	2806.7	2139.4
30°	2297.6	2306.6	2301.4	2238.4	2212.7	2256.4	2611.3	3304.3	3183.4	3152.6	2358.0
32.5°	2532.9	2513.6	2535.4	2482.7	2406.9	2445.4	2797.7	3610.3	3641.1	3597.4	2644.7
35°	2844.0	2832.4	2818.3	2732.1	2642.1	2673.0	3061.3	3987.0	4215.9	4194.0	2934.0
37.5°	3123.0	3116.6	3105.0	3045.9	2941.7	2979.0	3360.9	4379.1	4776.4	4704.4	3342.9
40°	3416.1	3450.9	3413.6	3360.9	3265.7	3348.0	3713.1	4611.9	5248.3	5160.9	3655.3
42.5°	3813.4	3786.4	3803.1	3706.7	3655.3	3745.3	4066.7	4844.6	5614.7	5510.6	3987.0
45°	4236.4	4237.7	4192.7	4161.9	4028.1	4125.9	4284.0	4973.1	5906.6	5825.6	4237.7
47.5°	4507.7	4506.4	4555.3	4604.1	4466.6	4370.1	4431.9	5095.3	6057.0	6019.7	4329.0
50°	4465.3	4478.1	4541.1	4723.7	4795.7	4665.9	4570.7	5059.3	6125.1	6121.3	4407.4
52.5°	3884.1	3926.6	4032.0	4295.6	4658.1	4818.9	4716.0	5126.1	6158.6	6165.0	4524.4
55°	2957.1	2980.3	3180.9	3501.0	3902.1	4452.4	4658.1	5178.9	6184.3	6195.9	4665.9
56°	2565.0	2503.3	2792.6	3020.1	3499.7	4101.4	4511.6	5137.7	6168.9	6257.6	4736.6
57.5°	1936.3	1895.1	2129.1	2413.3	2874.9	3510.0	4056.4	4943.6	6064.7	6063.4	4635.0
60°	1177.7	1136.6	1316.6	1483.7	1742.1	2161.3	2741.1	3936.9	5127.4	5235.4	3753.0
62.5°	700.7	726.4	903.9	1005.4	1089.0	1132.7	1418.1	2340.0	3421.3	3498.4	2328.4
65°	466.7	475.7	609.4	776.6	813.9	648.0	577.3	947.6	1483.7	1436.1	960.4
67.5°	288.0	308.6	408.9	583.7	646.7	473.1	273.9	353.6	408.9	408.9	277.7
70°	174.9	185.1	272.6	397.3	443.6	304.7	199.3	199.3	196.7	192.9	165.9
72.5°	83.6	90.0	138.9	204.4	208.3	160.7	154.3	168.4	164.6	163.3	137.6
75°	36.0	38.6	48.9	64.3	73.3	68.1	93.9	120.9	124.7	120.9	99.0
77.5°	11.6	12.9	18.0	23.1	24.4	29.6	39.9	50.1	57.9	54.0	48.9
80°	1.3	2.6	5.1	11.6	18.0	23.1	29.6	33.4	37.3	37.3	34.7
82.5°	1.3	1.3	5.1	10.3	16.7	21.9	28.3	32.1	37.3	38.6	36.0
85°	0.0	1.3	3.9	9.0	14.1	14.1	12.9	12.9	9.0	9.0	9.0
87.5°	0.0	0.0	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6
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°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0
2.5°	1171.3	1168.7	1134.0	1112.1	1100.6	1077.4	1063.3	1053.0	1045.3	1036.3	1037.6
5°	1186.7	1177.7	1119.9	1080.0	1032.4	1006.7	984.9	966.9	955.3	952.7	947.6
7.5°	1230.4	1182.9	1095.4	1023.4	963.0	937.3	918.0	906.4	911.6	900.0	909.0
10°	1263.9	1193.1	1065.9	961.7	901.3	882.0	871.7	880.7	893.6	888.4	882.0
12.5°	1305.0	1203.4	1018.3	902.6	846.0	831.9	849.9	866.6	892.3	902.6	889.7
15°	1351.3	1215.0	957.9	834.4	798.4	810.0	840.9	870.4	896.1	909.0	916.7
17.5°	1407.9	1211.1	898.7	780.4	753.4	786.9	824.1	851.1	889.7	909.0	903.9
20°	1460.6	1198.3	833.1	726.4	727.7	758.6	789.4	833.1	853.7	879.4	870.4
22.5°	1510.7	1175.1	765.0	689.1	689.1	736.7	752.1	780.4	798.4	811.3	810.0
25°	1581.4	1131.4	708.4	653.1	668.6	699.4	712.3	721.3	713.6	723.9	725.1
27.5°	1631.6	1086.4	662.1	621.0	649.3	672.4	668.6	663.4	645.4	631.3	640.3
30°	1685.6	1033.7	622.3	599.1	614.6	635.1	619.7	604.3	576.0	552.9	554.1
32.5°	1762.7	1009.3	587.6	573.4	594.0	596.6	579.9	556.7	528.4	506.6	505.3
35°	1906.7	993.9	558.0	556.7	560.6	561.9	545.1	516.9	505.3	487.3	493.7
37.5°	2050.7	986.1	537.4	532.3	531.0	532.3	513.0	486.0	507.9	506.6	509.1
40°	2234.6	1020.9	507.9	501.4	502.7	502.7	478.3	470.6	509.1	513.0	514.3
42.5°	2421.0	1064.6	488.6	468.0	473.1	473.1	460.3	451.3	478.3	452.6	448.7
45°	2583.0	1128.9	468.0	434.6	447.4	453.9	450.0	434.6	417.9	374.1	374.1
47.5°	2635.7	1185.4	443.6	402.4	412.7	441.0	429.4	397.3	367.7	331.7	329.1
50°	2728.3	1247.1	424.3	365.1	387.0	421.7	410.1	378.0	344.6	318.9	320.1
52.5°	2823.4	1317.9	388.3	321.4	348.4	406.3	406.3	370.3	318.9	300.9	298.3
55°	2966.1	1315.3	324.0	263.6	311.1	383.1	389.6	331.7	285.4	271.3	271.3
56°	2986.7	1256.1	291.9	246.9	294.4	376.7	378.0	321.4	272.6	257.1	257.1
57.5°	2832.4	1134.0	255.9	226.3	273.9	365.1	366.4	312.4	262.3	240.4	237.9
60°	2179.3	767.6	213.4	201.9	248.1	329.1	335.6	284.1	230.1	213.4	212.1
62.5°	1230.4	425.6	187.7	182.6	213.4	280.3	299.6	248.1	195.4	186.4	189.0
65°	561.9	234.0	158.1	147.9	172.3	216.0	241.7	204.4	160.7	150.4	150.4
67.5°	205.7	159.4	135.0	117.0	120.9	140.1	156.9	132.4	106.7	91.3	95.1
70°	146.6	133.7	118.3	101.6	93.9	91.3	90.0	74.6	52.7	41.1	43.7
72.5°	118.3	110.6	99.0	86.1	73.3	61.7	52.7	38.6	24.4	16.7	15.4
75°	84.9	81.0	72.0	61.7	51.4	43.7	36.0	24.4	12.9	6.4	6.4
77.5°	43.7	43.7	42.4	38.6	32.1	25.7	20.6	14.1	7.7	2.6	2.6
80°	33.4	36.0	37.3	33.4	29.6	23.1	16.7	10.3	5.1	1.3	1.3
82.5°	32.1	37.3	39.9	34.7	29.6	21.9	16.7	10.3	5.1	1.3	1.3
85°	7.7	7.7	11.6	12.9	16.7	18.0	14.1	9.0	3.9	1.3	1.3
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	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)