

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: P451777

Luminaire Tested: **GLAN-SA2C-830-U-T3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8248 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

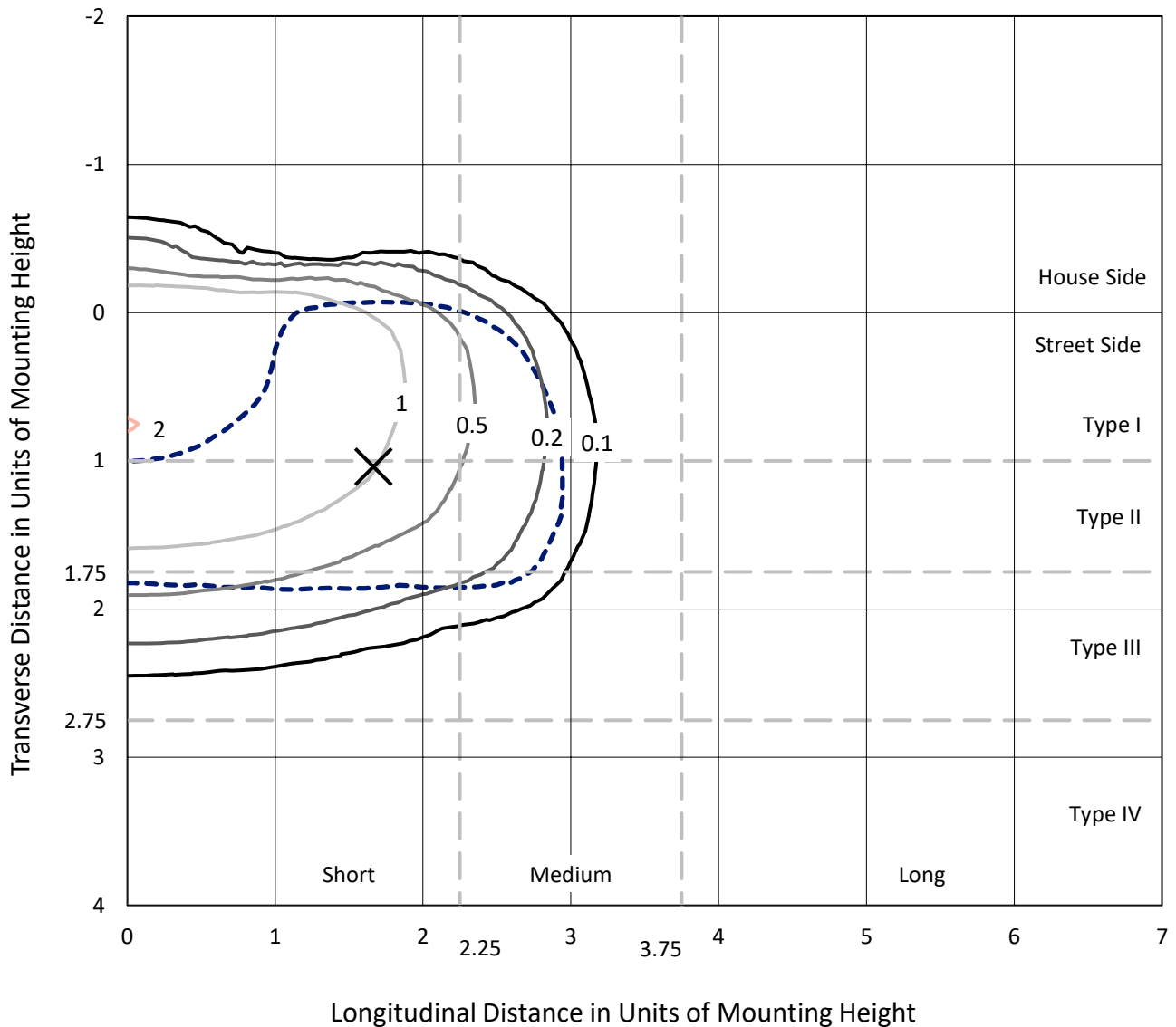
Input Watts (W): 108
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

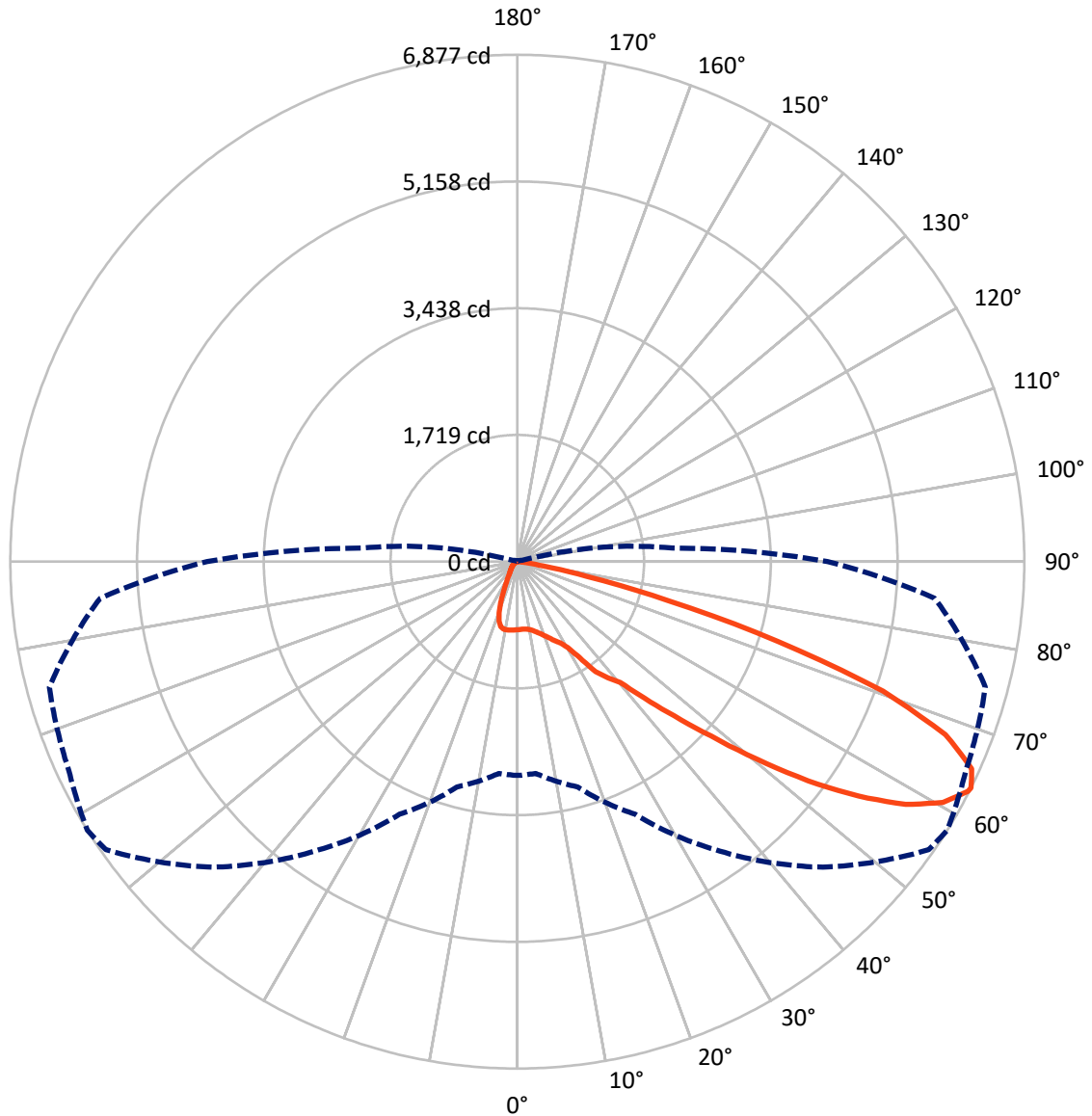
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.0	0.0	854.0
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	7394.0	0.0	7394.0
	% Fixture	89.6	0.0	89.6
Total	Lumens	8248.0	0.0	8248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.0
10°-20°	235.4	2.9
20°-30°	408.6	5.0
30°-40°	750.9	9.1
40°-50°	1413.5	17.1
50°-60°	2417.7	29.3
60°-70°	2314.9	28.1
70°-80°	590.3	7.2
80°-90°	30.2	0.4
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°	8248.0	100.0
0°-180°	8248.0	100.0

Coefficient of Utilization



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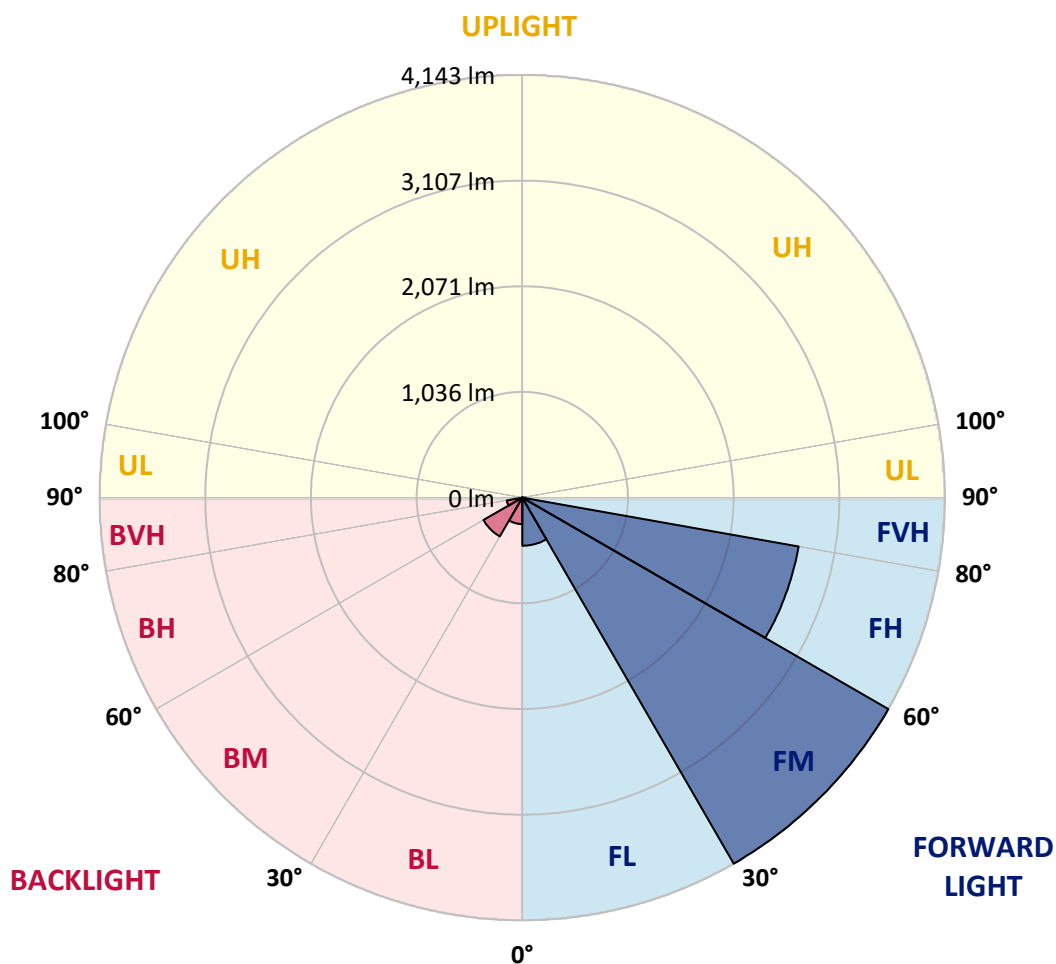
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.5	5.7			
FM (30°-60°)	4142.8	50.2			
FH (60°-80°)	2750.7	33.3			G2/5000
FVH (80°-90°)	29.0	0.4			G1/100
BL (0°-30°)	259.0	3.1	B1/500		
BM (30°-60°)	439.3	5.3	B1/1000		
BH (60°-80°)	154.6	1.9	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4
2.5°	900.4	903.5	906.6	907.9	912.2	916.6	919.7	919.0	924.0	926.5	926.5
5°	864.4	864.4	872.5	879.9	892.3	904.8	916.6	919.0	928.4	937.1	940.2
7.5°	834.0	835.8	842.0	855.7	872.5	894.2	917.8	923.4	939.5	958.8	966.9
10°	819.7	820.9	829.0	843.3	864.4	894.2	927.1	937.7	962.5	992.9	1004.1
12.5°	816.6	818.5	826.5	842.7	866.9	902.9	947.6	958.8	994.8	1033.9	1050.7
15°	822.2	823.4	831.5	848.9	875.6	918.4	974.9	990.5	1033.3	1078.6	1100.4
17.5°	842.0	840.8	846.4	860.7	890.5	937.7	1007.8	1026.5	1076.8	1138.9	1153.2
20°	926.5	918.4	913.5	901.0	912.8	965.0	1047.6	1074.9	1137.0	1200.4	1210.3
22.5°	1108.4	1090.4	1055.0	1006.6	969.3	1002.3	1095.4	1127.1	1207.2	1269.3	1269.3
25°	1340.1	1317.1	1281.7	1176.1	1084.8	1063.7	1149.4	1189.2	1283.6	1346.3	1325.8
27.5°	1630.1	1612.1	1543.1	1420.2	1280.5	1171.2	1212.2	1248.8	1351.2	1427.0	1384.2
30°	1866.0	1857.3	1800.8	1690.9	1536.9	1377.3	1328.9	1353.1	1441.3	1528.8	1484.8
32.5°	2065.4	2065.4	2007.6	1905.2	1761.1	1619.5	1527.0	1544.4	1628.8	1730.0	1648.1
35°	2284.6	2277.1	2230.6	2133.1	1971.6	1846.8	1808.9	1832.5	1908.9	1984.0	1782.2
37.5°	2515.0	2512.5	2464.0	2369.7	2238.0	2080.9	1992.1	1998.3	2037.4	2083.4	1939.3
40°	2765.2	2768.9	2705.6	2647.2	2523.0	2362.2	2192.1	2152.9	2189.6	2319.4	2229.3
42.5°	3060.8	3052.1	3024.8	2945.3	2845.3	2749.1	2544.8	2530.5	2562.8	2701.9	2604.4
45°	3404.2	3416.6	3369.4	3325.3	3258.3	3178.2	3007.4	2982.6	3018.0	3234.1	3095.6
47.5°	3748.2	3736.4	3766.9	3758.8	3794.8	3735.2	3584.3	3533.4	3618.4	3823.4	3619.7
50°	4010.3	4023.3	4086.7	4179.2	4333.8	4367.3	4222.7	4205.3	4243.1	4374.8	4088.5
52.5°	4180.4	4223.9	4323.3	4561.1	4839.9	5056.6	4946.7	4937.4	4921.9	4957.3	4536.9
55°	4291.6	4335.7	4465.5	4815.7	5295.7	5647.8	5653.4	5613.6	5511.2	5485.7	4956.0
57.5°	4223.3	4232.0	4417.0	4885.2	5548.4	6069.4	6252.0	6212.3	6022.9	5926.6	5326.1
60°	3796.0	3814.1	4071.8	4621.9	5438.5	6207.3	6648.8	6630.8	6423.4	6314.7	5614.3
62.5°	3039.1	3091.2	3356.4	3969.9	4927.5	5975.1	6809.7	6860.6	6699.1	6549.5	5704.9
63°	2900.0	2883.2	3163.3	3779.9	4792.1	5860.2	6812.1	6876.7	6711.5	6571.8	5680.1
65°	2146.7	2197.0	2379.0	2980.7	3987.9	5325.5	6658.8	6773.0	6665.6	6473.1	5405.0
67.5°	1205.3	1202.8	1404.0	1950.5	2791.3	4177.3	6021.0	6262.6	6240.2	5808.6	4480.4
70°	589.9	599.2	681.8	1011.0	1618.9	2882.0	5003.2	5264.0	5272.1	4562.3	3098.1
72.5°	267.0	271.4	330.4	492.4	832.1	1534.4	3447.7	3696.7	3650.7	2907.4	1710.8
75°	141.0	150.3	181.9	247.8	401.2	632.8	1875.4	2116.3	2020.0	1328.3	629.7
77.5°	104.3	107.4	123.6	157.7	214.9	246.5	809.1	962.5	901.7	480.6	208.6
80°	76.4	78.9	91.9	111.8	135.4	125.4	304.9	349.6	313.6	163.3	64.0
82.5°	46.6	47.2	67.1	83.2	85.1	70.2	100.6	108.1	113.0	91.9	34.8
85°	16.8	21.1	45.3	60.2	50.3	35.4	42.2	46.6	50.9	58.4	20.5
87.5°	1.9	2.5	21.7	29.2	14.3	13.0	15.5	17.4	18.6	21.7	9.9
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°	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4
2.5°	929.0	931.5	929.6	926.5	925.9	924.0	920.3	920.3	920.3	921.5	920.3
5°	942.6	944.5	940.2	934.0	927.1	918.4	909.1	903.5	902.9	901.7	898.6
7.5°	968.7	971.2	961.3	946.4	927.7	906.6	886.8	868.1	859.4	852.6	852.6
10°	1006.6	1009.1	989.2	962.5	925.3	882.4	835.2	792.4	758.8	743.3	739.6
12.5°	1051.9	1053.2	1020.3	973.7	912.2	829.6	729.0	635.3	570.1	540.3	537.1
15°	1101.6	1092.9	1049.5	978.0	875.0	721.0	547.1	432.2	364.5	344.6	352.1
17.5°	1151.9	1135.8	1071.8	971.2	791.1	547.1	367.6	295.0	273.9	268.3	268.3
20°	1199.1	1176.8	1088.0	941.4	645.8	376.9	272.6	255.2	251.5	247.8	248.4
22.5°	1246.3	1212.2	1102.2	875.0	481.3	269.5	244.0	238.5	233.5	228.5	227.9
25°	1292.3	1245.1	1107.8	752.0	327.9	231.6	222.9	215.5	205.5	200.0	198.7
27.5°	1340.1	1284.8	1104.1	596.8	239.1	207.4	198.7	188.2	176.4	166.4	166.4
30°	1432.0	1360.6	1091.1	429.1	201.2	182.6	171.4	154.6	141.6	131.6	131.0
32.5°	1557.4	1459.3	1046.3	301.8	178.8	160.8	144.1	125.4	111.8	104.3	104.3
35°	1669.2	1558.7	962.5	222.3	160.8	139.7	119.2	101.2	90.7	85.7	83.8
37.5°	1839.3	1704.0	847.0	180.7	143.4	121.1	100.0	83.2	74.5	70.8	70.8
40°	2094.6	1881.6	705.4	158.3	126.7	103.1	83.2	70.2	63.3	59.0	59.0
42.5°	2411.3	2098.9	562.0	142.2	111.2	88.8	69.5	59.6	53.4	50.3	49.7
45°	2809.9	2328.0	432.8	127.3	98.7	75.8	59.0	50.3	44.1	42.2	42.8
47.5°	3226.0	2529.9	335.3	114.3	85.7	64.0	50.3	43.5	39.1	36.6	36.6
50°	3581.2	2669.0	254.6	99.4	75.8	54.0	44.1	39.1	35.4	34.2	33.5
52.5°	3878.0	2709.3	195.0	86.3	66.4	46.6	39.1	35.4	32.3	30.4	30.4
55°	4130.8	2673.9	152.8	72.7	55.9	40.4	34.8	31.7	27.9	26.1	25.5
57.5°	4278.5	2560.3	116.7	60.2	45.3	33.5	30.4	26.7	22.4	19.3	19.3
60°	4353.1	2395.1	89.4	49.7	34.8	26.7	24.8	19.9	15.5	13.0	12.4
62.5°	4263.6	2175.9	67.7	39.1	26.1	19.9	16.8	14.3	9.9	7.5	7.5
63°	4208.4	2112.6	65.2	37.3	24.2	18.6	15.5	13.0	8.7	6.8	6.2
65°	3836.4	1836.2	53.4	29.8	19.3	13.0	10.6	9.3	6.2	3.1	2.5
67.5°	3046.5	1404.7	42.2	22.4	13.7	9.3	6.2	5.6	1.9	0.0	0.0
70°	2059.8	907.3	32.9	16.1	9.3	5.6	3.1	2.5	0.6	0.0	0.0
72.5°	1074.3	465.1	25.5	11.8	5.6	3.7	1.9	0.6	0.0	0.0	0.0
75°	380.0	158.3	18.6	7.5	3.7	1.9	0.6	0.0	0.0	0.0	0.0
77.5°	114.9	59.0	11.8	5.6	2.5	1.2	0.0	0.0	0.0	0.0	0.0
80°	40.4	21.7	6.8	3.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	19.9	10.6	4.3	3.1	1.9	0.6	0.0	0.0	0.0	0.0	0.0
85°	11.2	6.8	3.7	3.1	1.9	1.2	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	5.0	3.7	3.1	2.5	1.2	0.6	0.0	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)