

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: P321240

Luminaire Tested: **GAN-SA6B-730-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25125 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 249
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

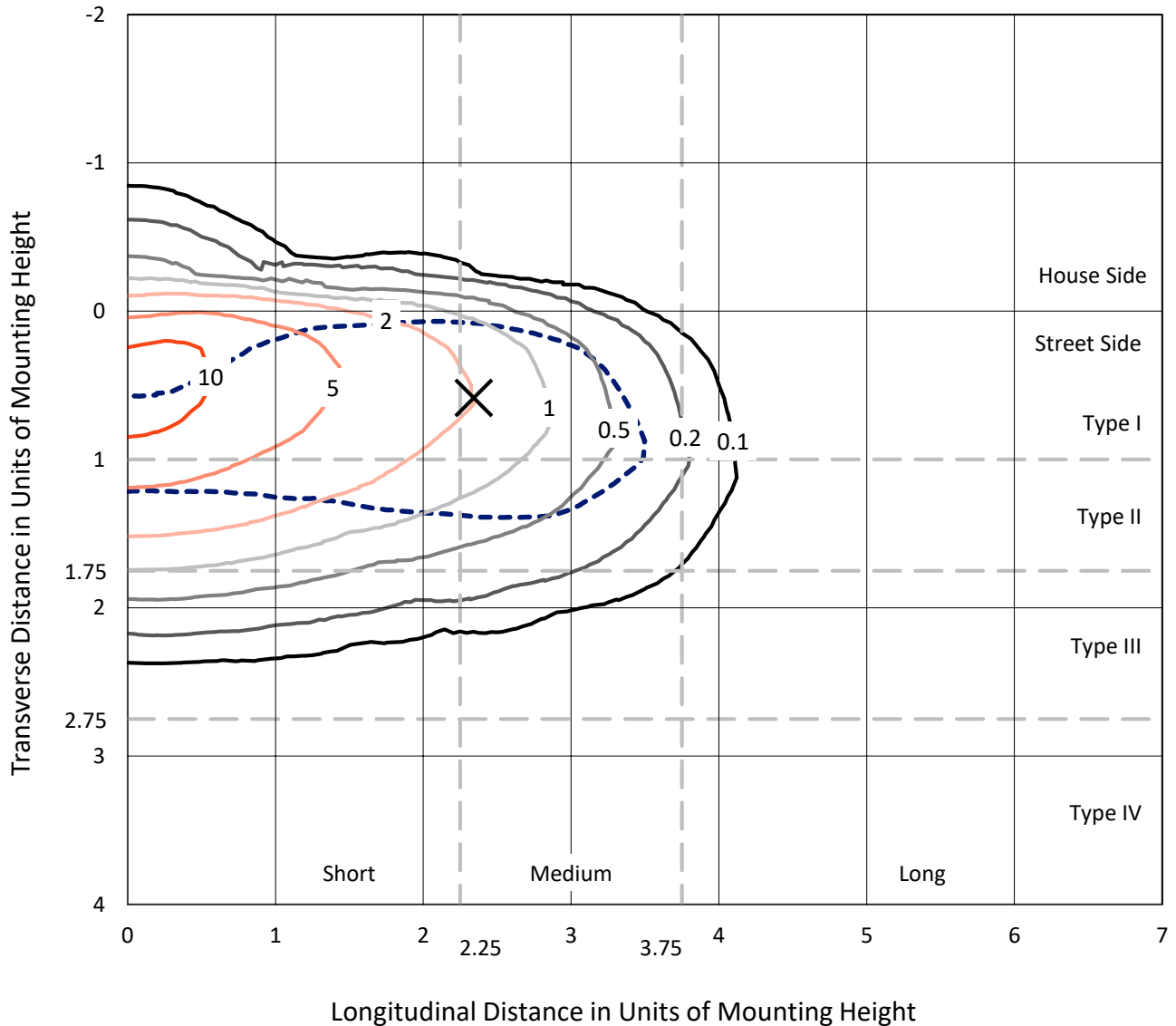




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Iso-Footcandle Lines of Horizontal Illumination

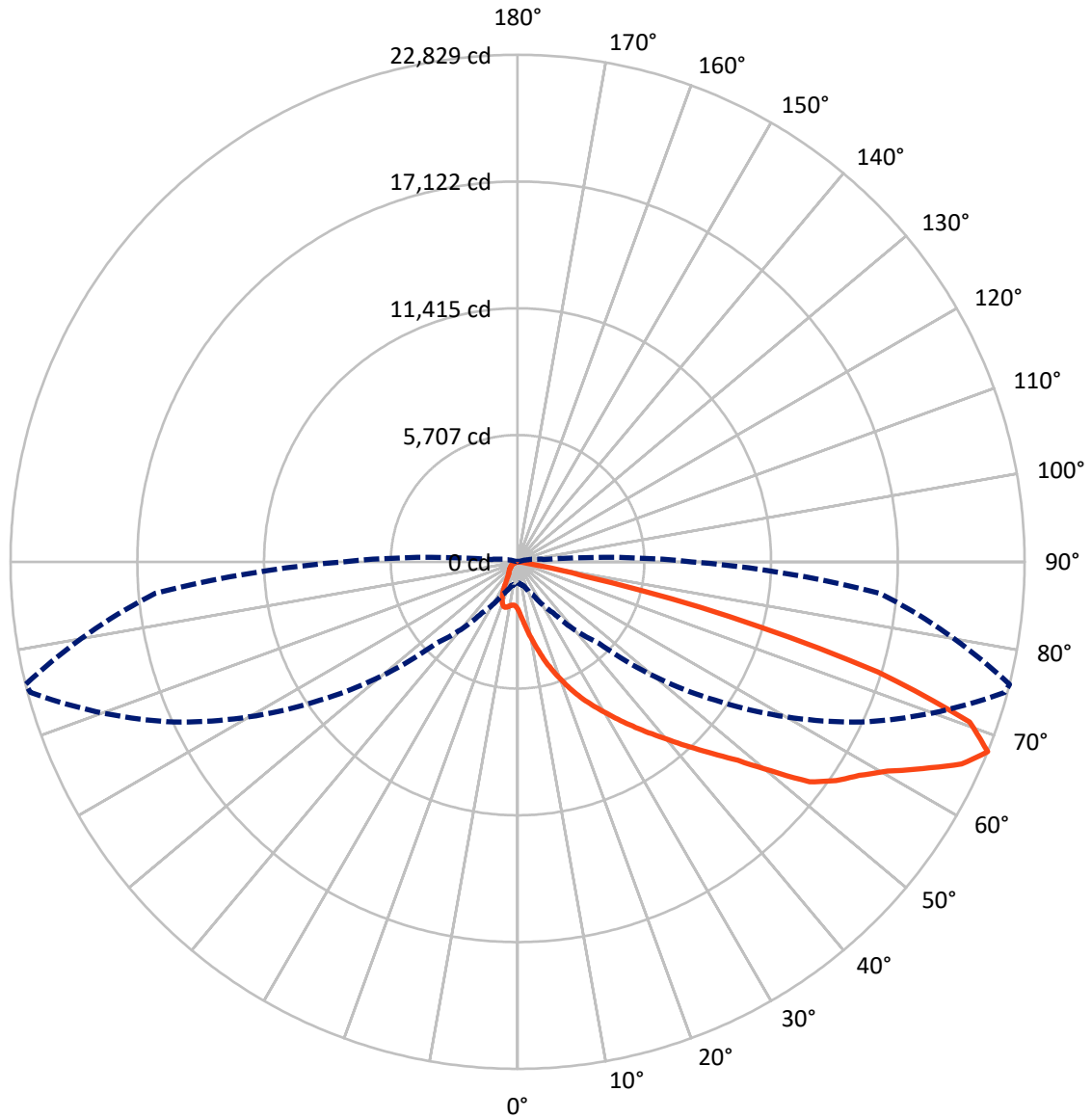
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.6	0.0	1247.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	23877.4	0.0	23877.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	25125.0	0.0	25125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.0	1.1
10°-20°	1050.6	4.2
20°-30°	2137.6	8.5
30°-40°	3710.2	14.8
40°-50°	5242.1	20.9
50°-60°	5944.8	23.7
60°-70°	4930.6	19.6
70°-80°	1786.0	7.1
80°-90°	57.9	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°	25125.0	100.0
0°-180°	25125.0	100.0

Coefficient of Utilization

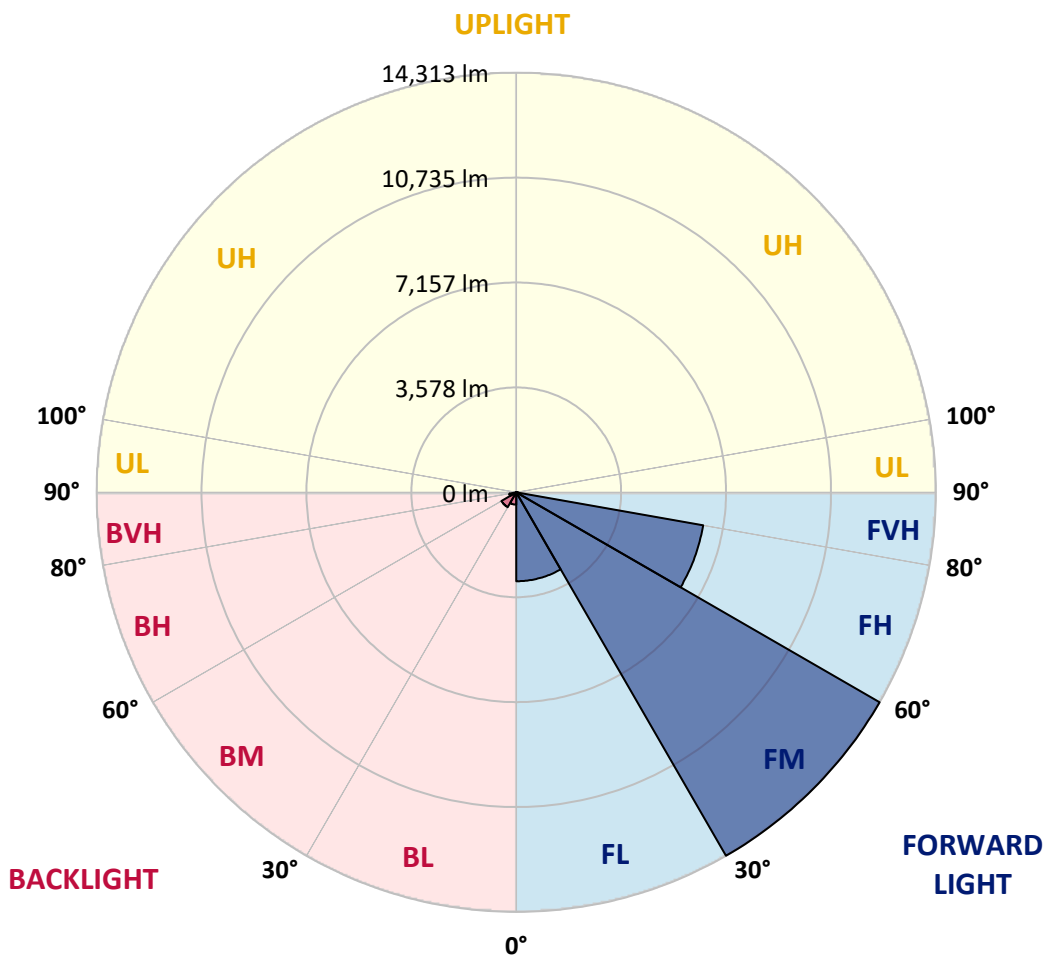


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3032.5	12.1			
FM (30°-60°)	14313.2	57.0			
FH (60°-80°)	6475.6	25.8			G3/7500
FVH (80°-90°)	56.1	0.2			G1/100
BL (0°-30°)	420.8	1.7	B1/500		
BM (30°-60°)	583.9	2.3	B1/1000		
BH (60°-80°)	241.1	1.0	B1/500		G1/500
BVH (80°-90°)	1.8	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-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3
2.5°	3181.6	3110.0	3126.5	3080.3	2996.6	2824.9	2678.5	2539.8	2377.9	2372.4	2239.2
5°	4290.2	4229.6	4221.9	4128.3	3976.4	3684.7	3400.7	3077.0	2715.9	2689.5	2406.6
7.5°	5296.4	5248.0	5230.3	5119.1	4836.2	4552.2	4182.3	3706.7	3141.9	3093.5	2632.2
10°	6069.2	6046.1	6050.5	5971.2	5729.0	5464.8	4979.3	4372.7	3625.2	3550.4	2903.1
12.5°	6654.9	6660.4	6700.0	6651.6	6516.2	6320.2	5801.7	5082.8	4160.3	4057.9	3212.4
15°	7085.3	7112.9	7185.5	7246.1	7236.2	7066.6	6591.0	5803.9	4728.3	4614.9	3557.0
17.5°	7363.9	7394.7	7500.4	7634.7	7758.0	7718.4	7352.9	6499.7	5303.0	5172.0	3925.8
20°	7608.3	7644.6	7758.0	7935.2	8165.3	8214.9	7974.9	7174.5	5876.6	5716.9	4306.7
22.5°	8137.8	8136.7	8206.1	8309.5	8528.6	8656.3	8504.4	7800.9	6443.5	6277.3	4695.3
25°	9095.6	9059.2	9035.0	8953.6	9002.0	9081.3	8996.5	8386.6	7013.8	6845.3	5089.4
27.5°	10233.9	10255.9	10060.0	9840.9	9671.3	9589.9	9451.2	8929.3	7562.0	7377.1	5474.7
30°	11435.0	11441.6	11210.4	10930.8	10557.6	10248.2	10008.2	9447.9	8125.7	7924.2	5849.0
32.5°	12518.2	12475.3	12246.3	11865.4	11394.2	11046.4	10547.7	10026.9	8722.4	8527.5	6265.2
35°	13376.9	13326.3	13047.8	12701.0	12212.2	11862.1	11262.1	10604.9	9349.9	9159.4	6682.4
37.5°	14004.5	13945.0	13658.8	13302.1	12880.4	12676.8	12091.1	11233.5	10034.6	9829.9	7121.7
40°	14222.4	14170.7	13991.2	13730.3	13391.3	13345.0	12970.7	11956.8	10779.9	10562.0	7619.3
42.5°	14092.5	14041.9	13978.0	13890.0	13749.0	13793.1	13800.8	12781.4	11607.8	11393.1	8168.6
45°	13577.3	13532.2	13598.2	13727.0	13902.1	14120.0	14558.2	13667.6	12532.6	12303.6	8803.8
47.5°	12818.8	12785.8	12968.5	13290.0	13801.9	14403.0	15250.7	14598.9	13570.7	13358.2	9596.5
50°	11739.9	11734.4	12099.9	12686.7	13473.8	14539.5	15966.2	15658.0	15012.9	14789.4	10698.5
52.5°	10060.0	10071.0	10789.8	11728.9	12898.1	14447.0	16426.4	17018.7	16690.6	16458.3	11652.9
55°	8460.4	8526.4	9036.1	10390.2	12015.1	14103.5	16584.9	17653.9	17616.5	17396.3	12183.6
57.5°	6893.8	7013.8	7504.8	8769.7	10726.0	13312.0	16498.0	17929.1	18305.6	18137.2	12883.7
60°	5196.2	5251.3	5817.1	6999.5	9071.4	11867.6	15867.2	18078.9	19248.0	19131.3	13899.9
62.5°	3306.0	3443.6	3945.6	5086.1	7063.3	9861.8	14803.7	18076.7	20427.1	20490.9	15211.0
65°	1741.6	1902.3	2168.8	3151.9	4853.8	7621.5	13204.1	17907.1	21873.6	21962.8	16236.0
67.5°	939.1	985.3	1126.2	1635.9	2815.0	5163.2	10853.7	17070.4	22711.4	22829.2	16379.1
70°	687.0	712.3	765.1	904.9	1416.8	2998.8	7919.8	15173.6	21631.4	21587.4	14552.7
72.5°	527.3	567.0	606.6	662.7	814.7	1600.7	4930.9	11881.9	17259.8	16969.2	10877.9
75°	416.1	422.7	478.9	529.5	611.0	911.5	2189.7	6920.2	10534.4	9846.4	5641.0
77.5°	332.5	336.9	369.9	413.9	491.0	598.9	678.1	2722.5	3363.2	3001.0	1224.2
80°	197.1	208.1	275.2	319.3	407.3	377.6	247.7	591.2	525.1	475.6	205.9
82.5°	110.1	118.9	155.2	252.1	284.0	180.5	123.3	159.6	123.3	120.0	58.3
85°	0.0	5.5	100.2	156.3	115.6	39.6	51.7	52.8	36.3	34.1	23.1
87.5°	0.0	0.0	30.8	29.7	4.4	6.6	12.1	17.6	14.3	14.3	12.1
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°	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3	2131.3
2.5°	2173.2	2113.7	2001.4	1891.3	1798.9	1722.9	1654.6	1627.1	1605.1	1601.8	1584.2
5°	2270.0	2150.0	1935.4	1759.2	1641.4	1557.8	1486.2	1442.2	1408.0	1394.8	1382.7
7.5°	2416.5	2234.8	1926.6	1724.0	1583.1	1442.2	1310.1	1166.9	1077.8	1043.6	1023.8
10°	2594.8	2347.1	1959.6	1714.1	1467.5	1170.2	951.2	769.5	695.8	671.5	664.9
12.5°	2802.9	2486.9	2016.8	1652.4	1220.9	831.2	656.1	594.5	578.0	570.3	570.3
15°	3041.8	2639.9	2057.6	1474.1	902.7	628.6	568.1	539.4	521.8	511.9	513.0
17.5°	3286.2	2789.7	2037.8	1215.4	666.0	559.3	514.1	483.3	459.1	449.2	447.0
20°	3532.8	2928.4	1927.7	904.9	563.7	507.5	456.9	422.7	398.5	388.6	386.4
22.5°	3788.2	3046.2	1733.9	663.8	506.4	450.3	400.7	366.6	343.5	334.7	330.3
25°	4037.0	3141.9	1463.1	537.2	452.5	396.3	349.0	317.1	296.1	287.3	286.2
27.5°	4269.3	3202.5	1149.3	474.5	405.1	347.9	304.9	276.3	258.7	252.1	251.0
30°	4478.4	3208.0	849.9	428.2	363.3	306.0	266.4	241.1	225.7	219.1	216.9
32.5°	4689.8	3161.8	618.7	386.4	324.8	269.7	231.2	211.4	200.4	194.9	194.9
35°	4889.1	3055.0	482.2	350.1	287.3	234.5	203.7	189.4	182.7	177.2	177.2
37.5°	5083.9	2902.0	409.5	318.2	252.1	204.8	179.4	170.6	165.1	159.6	159.6
40°	5282.1	2709.3	372.1	288.4	223.5	181.6	159.6	151.9	146.4	142.0	140.9
42.5°	5525.4	2486.9	347.9	260.9	198.2	160.7	140.9	132.1	127.7	123.3	121.1
45°	5807.2	2295.4	328.1	233.4	177.2	143.1	122.2	113.4	106.8	101.3	100.2
47.5°	6213.4	2156.6	301.6	203.7	157.4	124.4	105.7	95.8	85.9	80.4	79.3
50°	6732.0	2042.2	267.5	177.2	137.6	105.7	88.1	76.0	67.2	61.6	61.6
52.5°	6989.6	1892.4	236.7	154.1	115.6	89.2	71.6	57.2	52.8	47.3	47.3
55°	7093.0	1777.9	205.9	131.0	95.8	73.8	56.1	44.0	40.7	37.4	36.3
57.5°	7383.7	1744.9	179.4	111.2	79.3	58.3	42.9	33.0	30.8	26.4	26.4
60°	7851.6	1761.4	155.2	94.7	63.9	45.1	31.9	25.3	23.1	18.7	18.7
62.5°	8356.9	1740.5	131.0	81.5	49.5	33.0	22.0	18.7	18.7	11.0	9.9
65°	8453.8	1550.1	112.3	67.2	38.5	24.2	14.3	12.1	16.5	2.2	0.0
67.5°	7846.1	1202.2	96.9	51.7	28.6	18.7	11.0	5.5	14.3	0.0	0.0
70°	6274.0	764.0	78.2	37.4	22.0	15.4	8.8	2.2	11.0	0.0	0.0
72.5°	4436.6	443.7	61.6	26.4	18.7	12.1	6.6	0.0	6.6	0.0	0.0
75°	2243.6	236.7	38.5	19.8	14.3	8.8	4.4	0.0	1.1	0.0	0.0
77.5°	485.5	110.1	24.2	14.3	9.9	5.5	2.2	0.0	0.0	0.0	0.0
80°	105.7	48.4	15.4	8.8	5.5	3.3	0.0	0.0	0.0	0.0	0.0
82.5°	38.5	25.3	7.7	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.9	13.2	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	4.4	1.1	1.1	0.0	0.0	0.0	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)