

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: P323284

Luminaire Tested: **GAN-SA0B-760-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-760-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46850 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

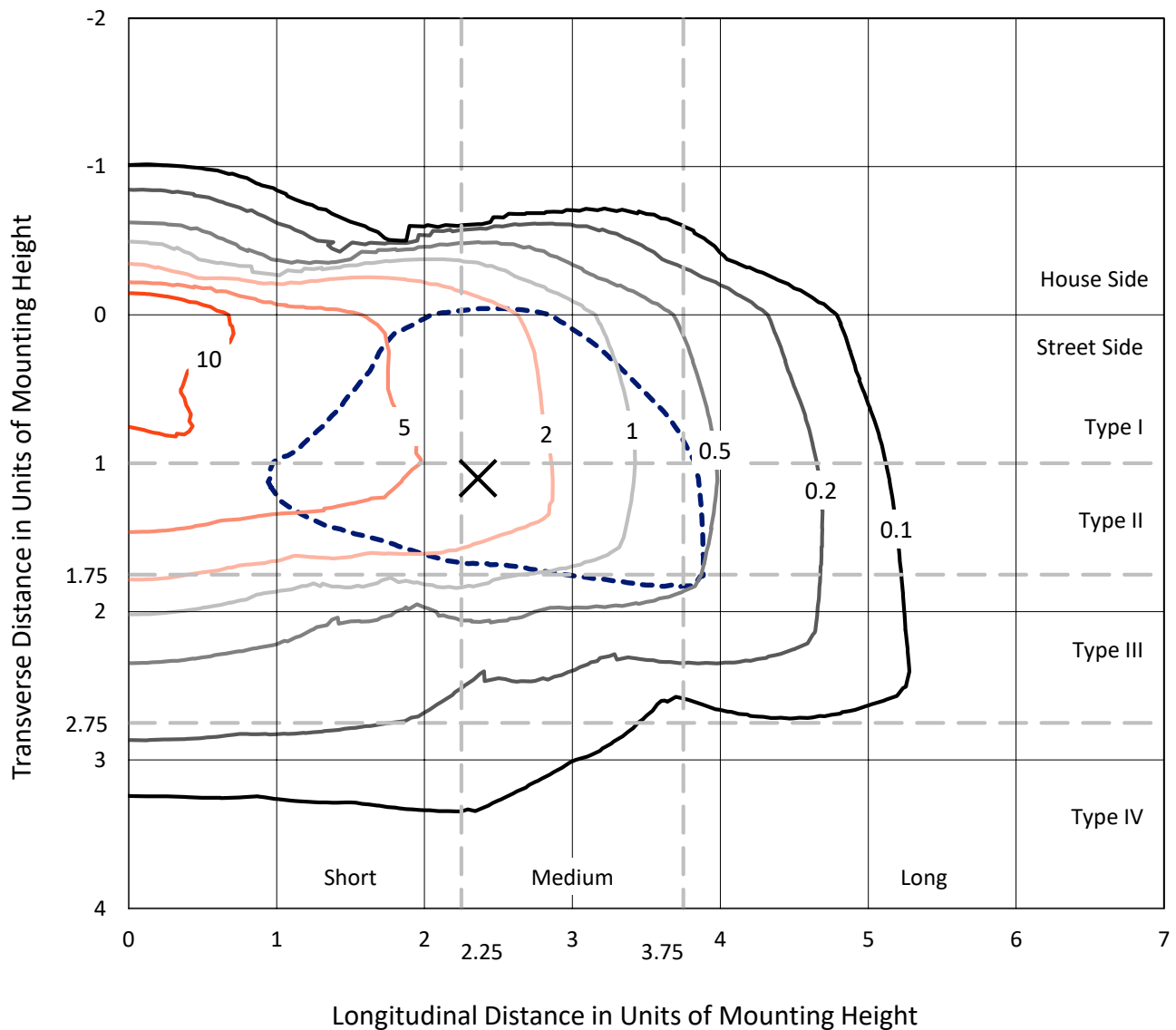
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

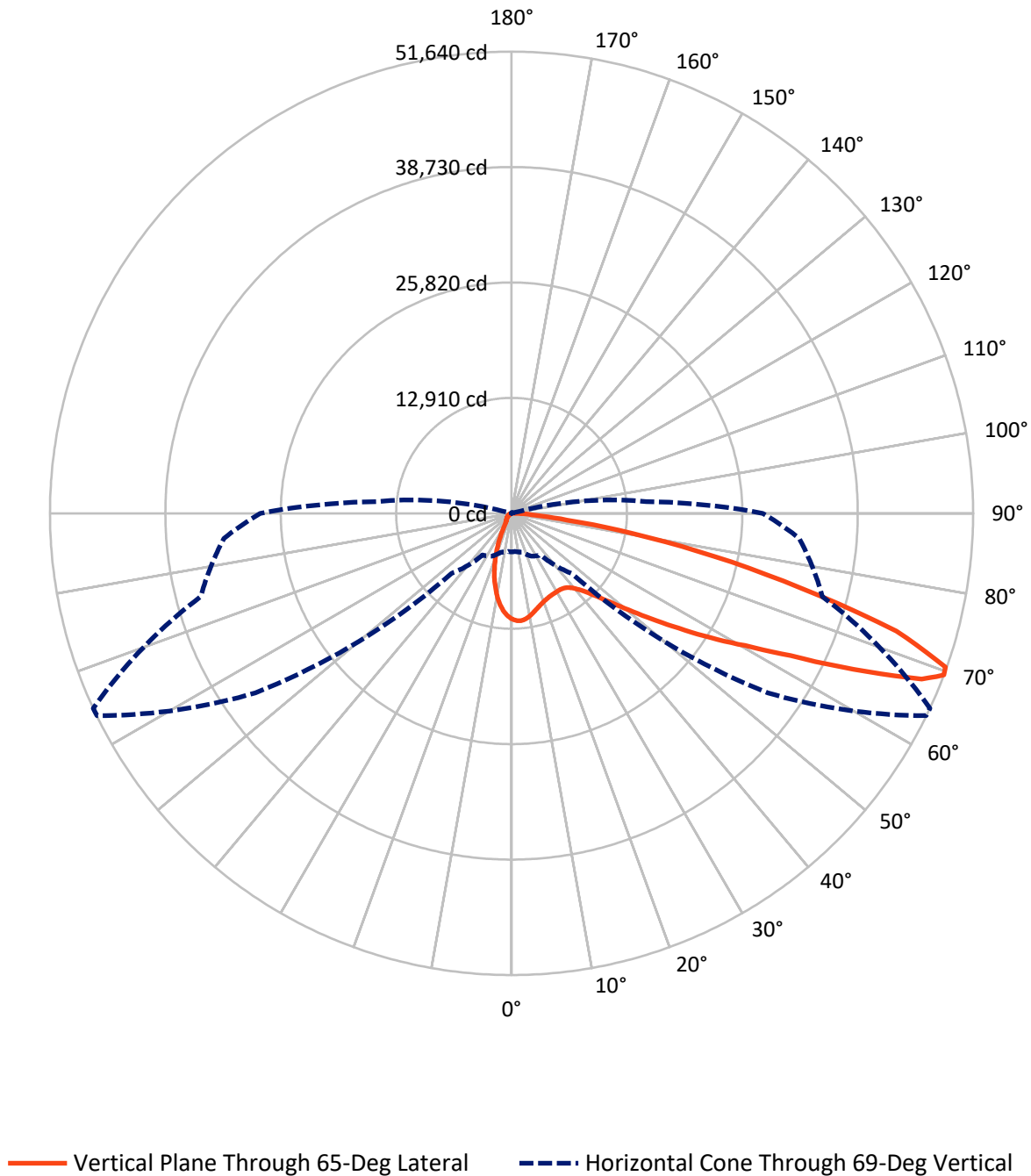
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5522.5	0.0	5522.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	41327.5	0.0	41327.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	46850.0	0.0	46850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.0	2.1
10°-20°	2167.1	4.6
20°-30°	3001.6	6.4
30°-40°	4185.1	8.9
40°-50°	6505.1	13.9
50°-60°	10443.2	22.3
60°-70°	11813.0	25.2
70°-80°	6937.9	14.8
80°-90°	807.1	1.7
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°	46850.0	100.0
0°-180°	46850.0	100.0

Coefficient of Utilization



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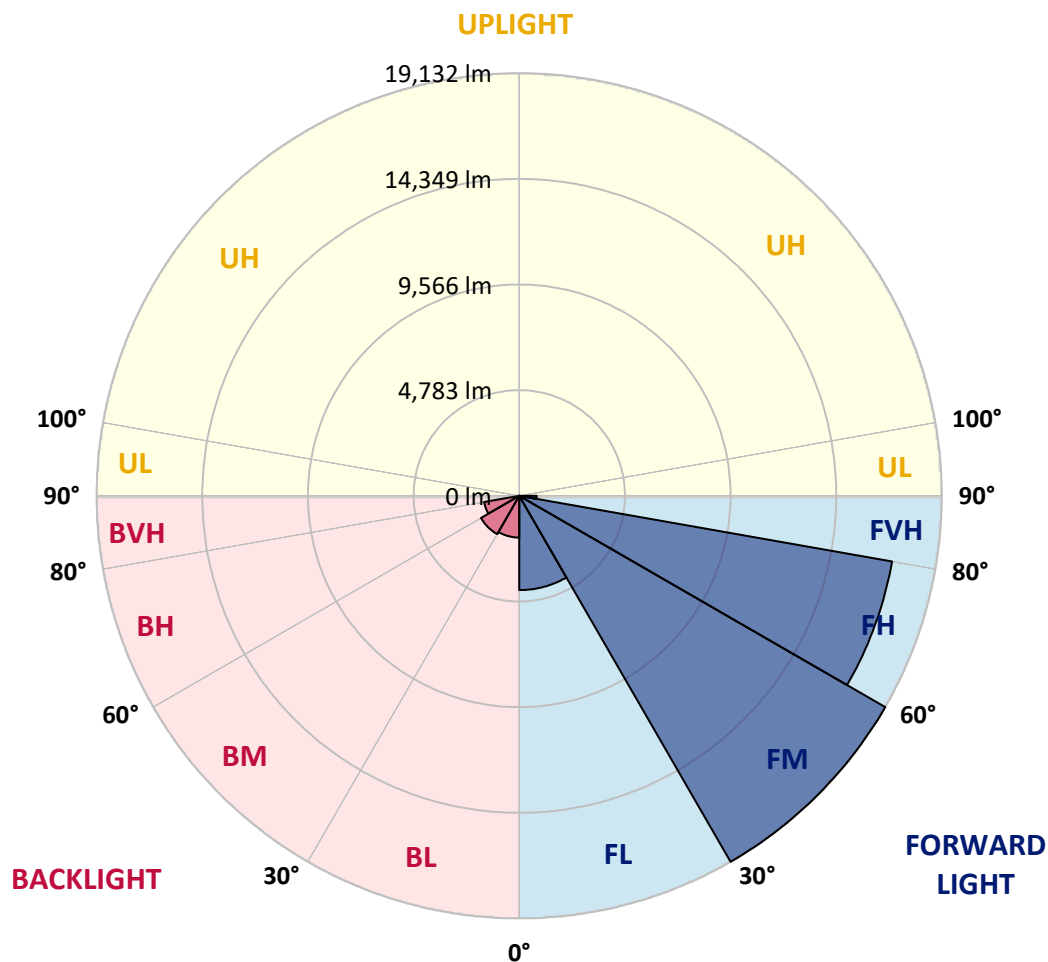
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4269.1	9.1			
FM	(30°-60°)	19132.2	40.8			
FH	(60°-80°)	17137.3	36.6			G5
FVH	(80°-90°)	788.9	1.7			G5
BL	(0°-30°)	1889.6	4.0	B3/2500		
BM	(30°-60°)	2001.2	4.3	B2/2500		
BH	(60°-80°)	1613.6	3.4	B3/2500		G3/2500
BVH	(80°-90°)	18.2	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1
2.5°	11944.1	11914.4	11938.2	11989.7	12015.5	12015.5	12035.3	12011.5	12019.5	11962.0	11878.7
5°	11196.8	11151.2	11216.6	11361.3	11539.7	11692.4	11918.4	12037.3	12049.2	12051.2	11954.1
7.5°	10391.9	10350.3	10447.4	10617.9	10847.9	11131.3	11525.9	11870.8	11890.6	12077.0	12005.6
10°	9737.7	9708.0	9821.0	10003.3	10273.0	10590.1	11073.9	11553.6	11611.1	12023.4	11997.7
12.5°	9218.3	9194.5	9301.6	9511.7	9787.3	10138.2	10643.7	11200.7	11278.0	11902.5	11958.0
15°	8839.7	8835.7	8924.9	9127.1	9432.4	9759.5	10276.9	10873.6	10962.8	11771.7	11952.1
17.5°	8641.4	8647.4	8712.8	8885.3	9146.9	9472.1	9967.7	10598.1	10695.2	11654.7	11981.8
20°	8621.6	8627.5	8663.2	8760.4	8972.5	9259.9	9715.9	10366.1	10467.2	11567.5	12029.4
22.5°	8796.0	8792.1	8802.0	8792.1	8911.0	9129.1	9549.4	10187.7	10304.7	11510.0	12067.1
25°	9131.1	9125.1	9121.2	9047.8	8968.5	9085.5	9480.0	10086.6	10197.6	11468.4	12088.9
27.5°	9596.9	9593.0	9587.0	9466.1	9228.2	9154.9	9487.9	10048.9	10142.1	11434.7	12084.9
30°	10209.5	10237.3	10229.3	10060.8	9690.1	9367.0	9571.2	10029.1	10110.4	11369.2	12043.3
32.5°	10929.1	10984.6	11028.3	10847.9	10384.0	9787.3	9763.5	10050.9	10110.4	11319.7	11967.9
35°	11676.5	11747.9	11908.5	11845.0	11234.4	10419.7	10094.5	10181.8	10231.3	11347.4	11932.3
37.5°	12412.0	12497.2	12846.2	13030.5	12348.6	11256.2	10610.0	10504.9	10530.7	11515.9	11971.9
40°	13266.4	13395.3	13924.6	14222.0	13678.8	12376.3	11381.1	11060.0	11069.9	11886.7	12156.3
42.5°	14388.5	14521.3	15094.2	15560.1	15177.5	13791.8	12427.9	11908.5	11898.6	12580.5	12590.4
45°	15756.4	15895.1	16487.9	17005.3	16832.8	15468.9	13768.0	13147.5	13135.6	13674.8	13413.1
47.5°	17306.6	17443.4	17972.7	18506.0	18692.3	17427.5	15474.9	14838.5	14810.7	15195.3	14683.9
50°	18636.8	18726.0	19213.7	19931.4	20771.9	19834.2	17598.0	16985.5	16955.7	17215.4	16549.3
52.5°	19120.5	19172.1	19667.7	20672.8	22770.2	23093.3	20387.3	19598.3	19576.5	19689.5	19033.3
55°	18141.2	18234.4	18843.0	20333.8	23852.6	26776.7	23908.1	22833.6	22669.1	22425.3	21630.3
57.5°	15472.9	15621.6	16275.8	18258.2	23347.1	29698.8	29082.3	26493.2	26251.3	24760.6	23741.6
60°	11593.3	11775.6	12318.8	14457.9	20649.0	30739.6	34736.2	30571.1	30025.9	26620.1	25682.4
62.5°	7955.5	8046.7	8415.4	9809.1	15207.2	29034.7	39466.2	36032.7	35037.5	28642.2	27781.8
65°	6076.2	6107.9	6258.5	6738.3	9055.7	23585.0	41347.6	43238.8	42035.5	31060.7	29960.5
67.5°	4896.6	4870.8	5079.0	5764.9	6064.3	14388.5	39153.0	50056.4	49493.4	34294.1	32153.0
69°	4317.7	4282.1	4494.2	5291.1	5695.5	9511.7	35001.8	51604.7	51640.3	36000.9	32303.7
70°	3885.6	3909.4	4119.5	5009.6	5570.6	7465.8	31036.9	51210.2	51491.7	36639.3	31399.7
72.5°	2595.0	2658.4	3080.7	4159.1	5356.5	5649.9	18739.9	43944.5	45027.0	35202.0	26939.3
75°	1463.0	1510.6	2012.2	3136.2	5047.3	5380.3	9898.3	32375.1	33421.8	29437.1	20773.9
77.5°	717.6	743.4	1137.9	2024.1	4220.6	5126.6	5614.2	21991.1	23186.5	19213.7	11749.9
80°	303.3	317.2	569.0	1248.9	3017.3	4892.6	4169.1	13534.1	13682.7	7527.3	3130.3
82.5°	117.0	120.9	239.9	779.1	1917.0	3814.2	3487.1	6417.1	6262.5	1417.4	713.7
85°	13.9	15.9	87.2	467.9	1066.5	1962.6	2832.9	2765.5	2559.3	281.5	366.7
87.5°	0.0	0.0	5.9	142.7	317.2	919.8	1472.9	1147.8	1034.8	91.2	190.3
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°	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1	11839.1
2.5°	11809.3	11789.5	11682.5	11527.8	11381.1	11198.8	11024.3	10919.2	10836.0	10780.5	10845.9
5°	11841.1	11753.8	11428.7	11012.4	10604.0	10144.1	9715.9	9353.1	9210.4	9051.8	9123.1
7.5°	11831.1	11666.6	11081.8	10340.4	9591.0	8815.9	8082.4	7517.4	7224.0	6936.5	7009.9
10°	11781.6	11504.0	10617.9	9519.6	8397.6	7283.5	6242.7	5451.7	5009.6	4609.2	4666.6
12.5°	11672.6	11286.0	10070.7	8580.0	7079.3	5610.3	4391.1	3378.1	2834.9	2595.0	2624.7
15°	11607.1	11073.9	9491.9	7628.4	5671.7	3907.4	2684.2	1996.3	1748.5	1669.2	1679.1
17.5°	11575.4	10869.7	8893.2	6540.0	4232.5	2488.0	1734.6	1530.4	1476.9	1463.0	1467.0
20°	11543.7	10663.5	8276.6	5463.6	2916.2	1673.2	1425.4	1365.9	1346.1	1328.2	1332.2
22.5°	11490.2	10465.3	7614.5	4373.2	1966.6	1358.0	1284.6	1227.1	1185.5	1163.7	1167.7
25°	11424.7	10257.1	6938.5	3257.1	1435.3	1211.3	1141.9	1060.6	1011.0	971.4	973.4
27.5°	11319.7	10001.4	6240.7	2371.0	1205.3	1084.4	991.2	902.0	818.7	773.1	773.1
30°	11173.0	9711.9	5465.6	1697.0	1080.4	959.5	846.5	735.5	646.3	604.6	600.7
32.5°	11010.4	9410.6	4682.5	1286.6	981.3	842.5	713.7	596.7	517.4	483.7	481.7
35°	10871.7	9085.5	3901.4	1078.4	882.2	729.5	588.8	489.7	426.2	398.5	396.5
37.5°	10782.4	8760.4	3140.2	963.5	793.0	624.5	493.6	404.4	358.8	337.0	335.0
40°	10768.6	8518.5	2444.3	876.2	709.7	531.3	412.3	343.0	301.3	277.5	275.6
42.5°	10949.0	8379.7	1875.4	802.9	624.5	450.0	350.9	293.4	249.8	226.0	224.0
45°	11422.8	8423.3	1443.2	737.5	539.2	380.6	297.4	243.8	204.2	186.3	182.4
47.5°	12287.1	8724.7	1147.8	672.0	457.9	323.1	253.8	202.2	168.5	150.7	148.7
50°	13825.5	9432.4	959.5	600.7	382.6	275.6	210.1	164.5	136.8	120.9	118.9
52.5°	15867.4	10693.2	856.4	531.3	317.2	233.9	172.5	130.8	107.1	95.2	93.2
55°	18119.4	12219.7	789.0	456.0	259.7	194.3	136.8	103.1	83.3	73.3	69.4
57.5°	20317.9	13542.0	725.6	382.6	216.1	158.6	109.0	81.3	65.4	55.5	53.5
60°	22338.0	14757.2	652.2	307.3	176.4	124.9	85.2	63.4	51.5	41.6	41.6
62.5°	24500.9	15696.9	551.1	239.9	144.7	95.2	69.4	57.5	41.6	35.7	33.7
65°	26792.6	16394.7	432.2	186.3	113.0	71.4	57.5	59.5	33.7	25.8	23.8
67.5°	28485.5	16255.9	319.2	146.7	87.2	55.5	55.5	63.4	29.7	19.8	17.8
69°	28112.9	15127.9	267.6	126.9	75.3	47.6	51.5	63.4	27.8	17.8	15.9
70°	27032.4	13879.0	235.9	113.0	67.4	43.6	49.6	61.5	25.8	17.8	15.9
72.5°	22512.5	10453.4	184.4	85.2	53.5	35.7	41.6	53.5	25.8	17.8	13.9
75°	16933.9	6690.7	140.8	61.5	39.6	27.8	31.7	39.6	25.8	15.9	13.9
77.5°	9214.3	2412.6	101.1	41.6	27.8	21.8	21.8	29.7	23.8	11.9	7.9
80°	2369.0	606.6	63.4	27.8	21.8	15.9	13.9	19.8	13.9	2.0	0.0
82.5°	584.8	136.8	33.7	19.8	15.9	5.9	5.9	9.9	5.9	0.0	0.0
85°	321.2	67.4	21.8	13.9	7.9	0.0	0.0	2.0	0.0	0.0	0.0
87.5°	164.5	19.8	5.9	4.0	2.0	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)