

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: P323504

Luminaire Tested: **GAN-SA0D-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59751 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

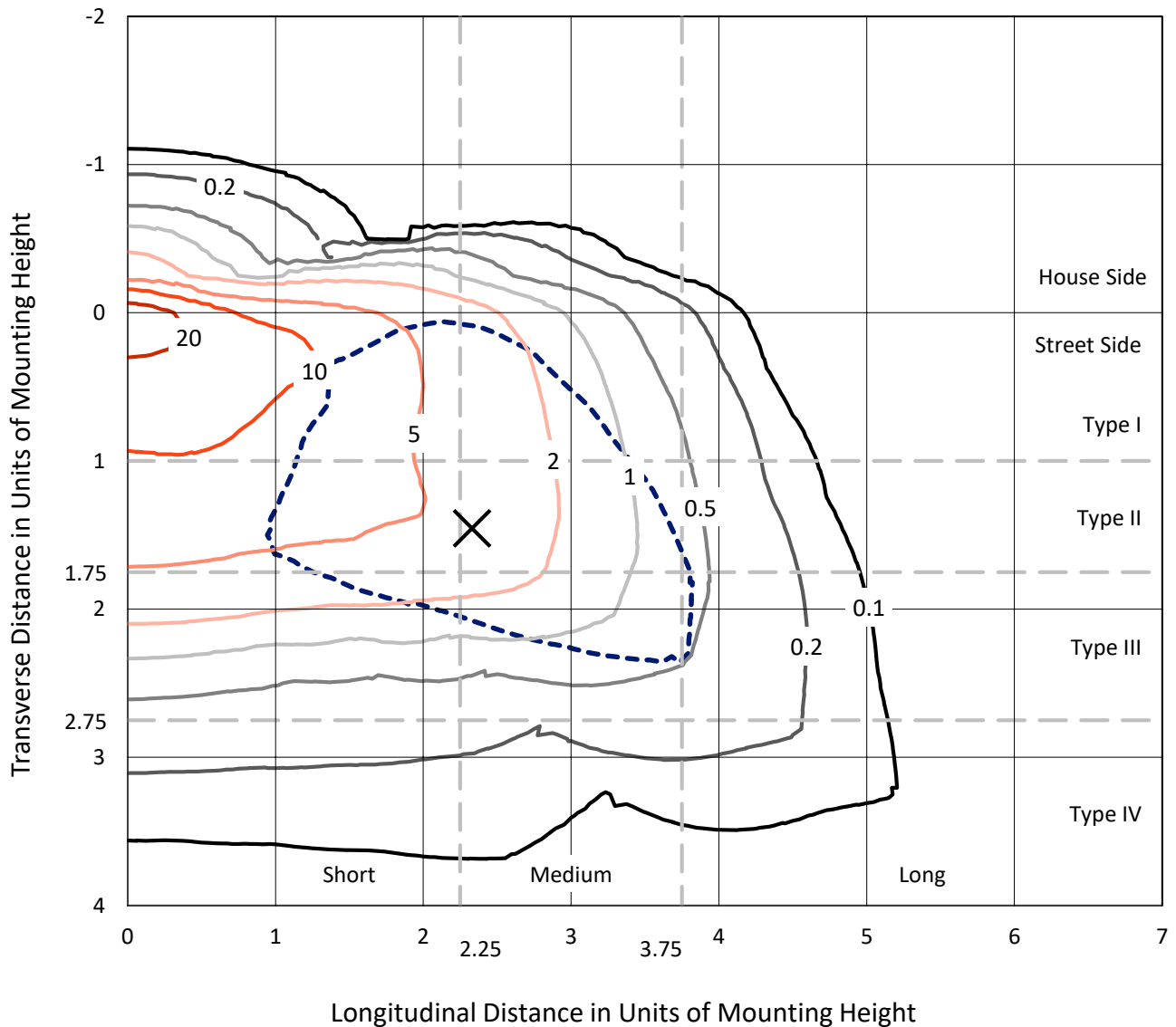
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

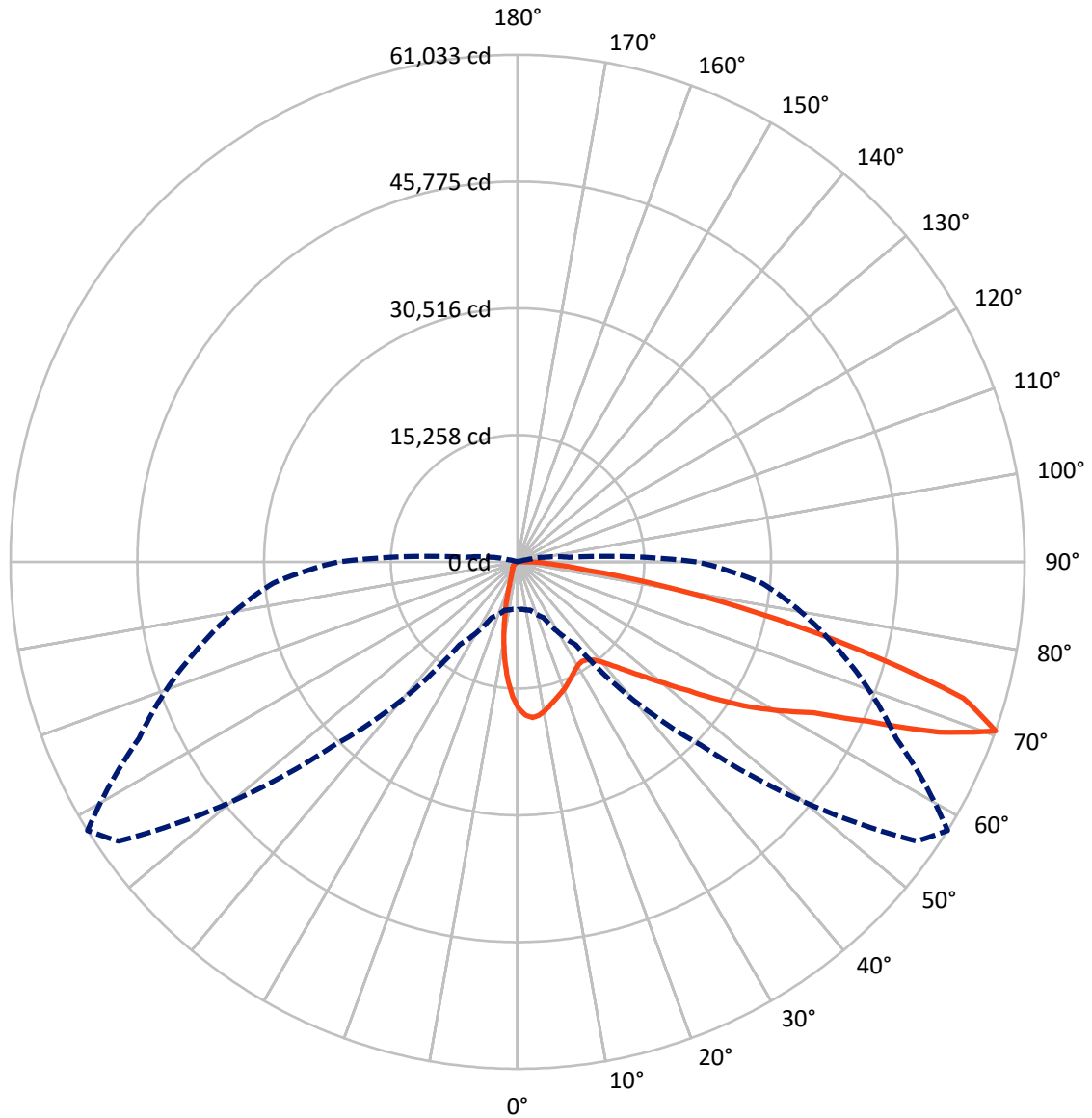
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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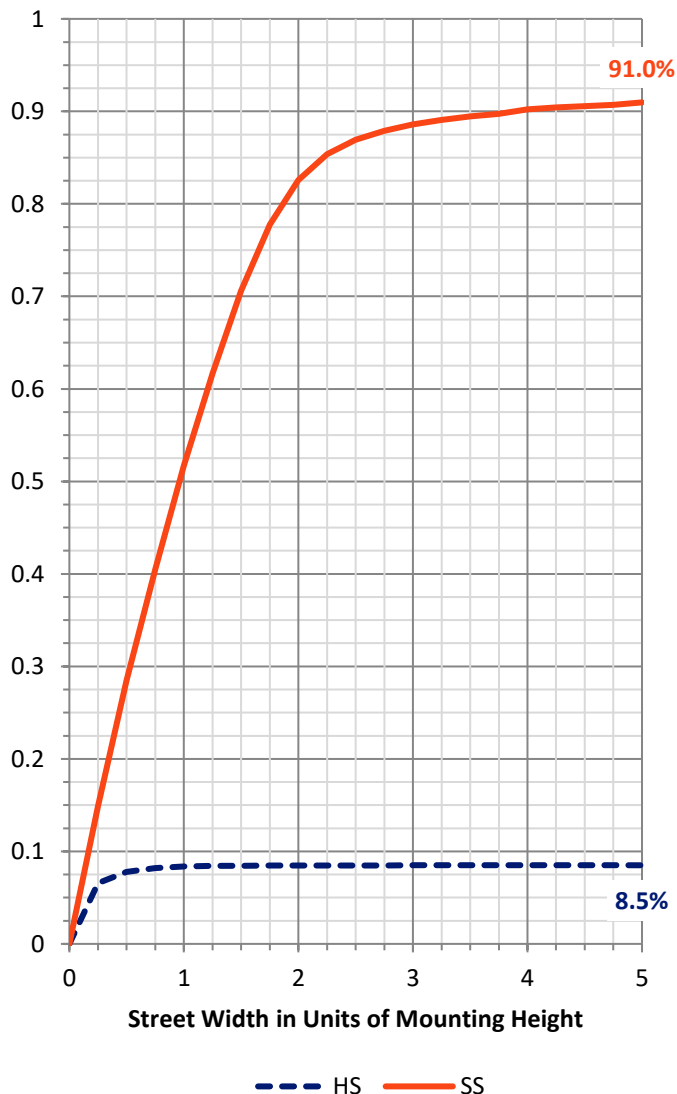
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5113.4	0.0	5113.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	54637.6	0.0	54637.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	59751.0	0.0	59751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1443.3	2.4
10°-20°	3029.2	5.1
20°-30°	3982.4	6.7
30°-40°	5274.2	8.8
40°-50°	7883.3	13.2
50°-60°	12628.8	21.1
60°-70°	15918.4	26.6
70°-80°	8586.3	14.4
80°-90°	1005.1	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°	59751.0	100.0
0°-180°	59751.0	100.0

Coefficient of Utilization

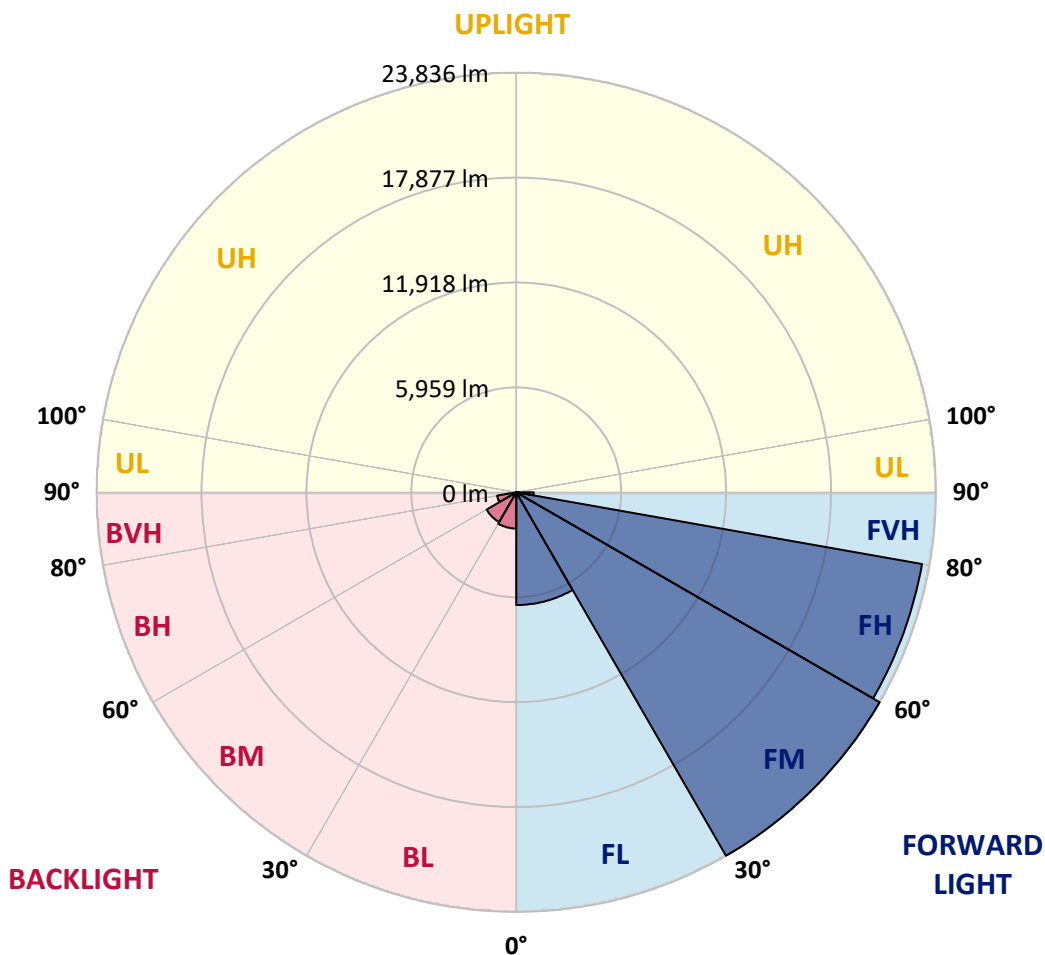


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6400.6	10.7			
FM (30°-60°)	23835.6	39.9			
FH (60°-80°)	23405.1	39.2			G5
FVH (80°-90°)	996.4	1.7			G5
BL (0°-30°)	2054.3	3.4	B3/2500		
BM (30°-60°)	1950.7	3.3	B2/2500		
BH (60°-80°)	1099.7	1.8	B3/2500		G3/2500
BVH (80°-90°)	8.7	0.0			G0/10
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°	58°	65°	75°	85°
0°	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2
2.5°	19113.6	19066.3	19049.0	19019.1	18904.9	18793.1	18571.9	18509.8	18370.7	18040.2	17689.9
5°	19128.5	19126.0	19178.2	19165.7	19126.0	19073.8	18914.8	18832.8	18596.8	18124.7	17483.7
7.5°	18206.7	18253.9	18370.7	18465.1	18574.4	18716.0	18735.9	18656.4	18462.6	17953.3	17103.6
10°	16969.4	17043.9	17207.9	17394.3	17680.0	17963.2	18216.6	18206.7	18139.6	17637.7	16646.4
12.5°	15729.6	15816.6	16005.4	16281.2	16686.2	17148.3	17600.5	17662.6	17774.4	17354.5	16224.0
15°	14643.9	14718.4	14904.7	15242.6	15744.5	16365.7	17029.0	17143.3	17431.5	17133.4	15871.2
17.5°	13722.1	13769.3	13906.0	14281.1	14862.5	15615.3	16477.5	16701.1	17130.9	16959.5	15565.6
20°	13078.6	13086.1	13175.5	13438.9	14020.3	14862.5	15906.0	16226.5	16812.9	16810.4	15250.1
22.5°	12760.6	12735.7	12753.1	12904.7	13332.0	14144.5	15334.6	15714.7	16527.2	16683.7	14929.6
25°	12701.0	12681.1	12631.4	12651.3	12909.7	13515.9	14758.2	15197.9	16276.2	16606.7	14651.3
27.5°	12887.3	12907.2	12822.7	12733.3	12753.1	13108.4	14246.3	14755.7	16072.5	16606.7	14455.0
30°	13262.5	13272.4	13210.3	13093.5	12937.0	12994.1	13891.1	14400.4	15970.6	16720.9	14330.8
32.5°	13677.4	13732.0	13724.6	13630.2	13406.6	13175.5	13806.6	14271.2	15963.2	16974.4	14318.4
35°	14191.7	14253.8	14358.1	14338.3	14104.7	13724.6	14094.8	14460.0	16109.7	17391.8	14452.6
37.5°	14738.3	14832.7	15056.3	15163.1	15011.6	14581.8	14740.8	15001.6	16502.3	18067.6	14792.9
40°	15267.5	15374.3	15781.8	16201.7	16087.4	15645.1	15719.7	15928.4	17200.5	19039.0	15438.9
42.5°	15786.8	15945.8	16544.5	17235.2	17371.9	17019.1	17058.8	17225.3	18236.5	20375.7	16494.9
45°	16407.9	16586.8	17473.8	18326.0	18691.2	18537.1	18706.1	18815.4	19590.6	22142.2	17918.5
47.5°	17319.7	17525.9	18614.2	19585.6	20226.6	20326.0	20666.4	20738.4	21302.4	24199.4	19774.4
50°	19098.6	19155.8	20139.7	21021.7	21945.9	22542.2	22929.8	22984.5	23374.5	26447.9	22092.5
52.5°	21337.2	21374.5	21931.0	22522.3	23573.3	24790.7	25697.6	25774.6	25856.6	28639.3	24380.8
55°	23560.9	23555.9	23923.6	24271.5	25474.0	27243.0	29210.7	29257.9	28669.1	30718.8	26129.9
57.5°	24949.7	25083.9	25642.9	26090.1	27769.7	30038.1	32768.6	32942.5	31623.2	32259.2	27859.1
60°	24507.5	24572.1	25811.9	27466.6	30629.4	34010.8	36368.7	36413.4	33844.4	33797.2	30045.5
62.5°	20880.1	20914.8	22862.7	26274.0	32077.9	39163.8	40711.7	39983.7	36398.5	35931.4	32661.7
65°	14310.9	14537.0	16164.4	20380.7	29416.9	42396.2	47434.8	46229.8	40291.8	39007.3	35027.0
67.5°	8427.6	8380.3	9185.3	12291.0	21605.5	40249.5	55939.4	54741.8	45601.2	41066.9	34333.8
70°	5756.7	5724.4	6032.5	7441.2	12196.6	31223.2	58615.2	61032.7	50289.5	39680.6	29548.6
72.5°	4109.4	4126.8	4581.5	5781.5	7657.3	18191.8	50406.3	56128.2	48821.2	34592.2	22460.2
75°	2790.1	2837.3	3488.3	4743.0	6713.2	9254.9	35769.9	42667.0	39755.1	25141.0	12909.7
77.5°	1500.7	1552.8	2320.6	3821.2	6069.7	6430.0	23009.3	29364.8	24972.1	11302.2	3741.7
80°	626.1	655.9	1085.7	2777.7	5244.9	5647.4	13538.3	17806.7	10641.3	2228.6	834.8
82.5°	270.8	285.7	452.2	1657.2	3920.6	4767.8	7167.9	8566.7	3224.9	489.5	419.9
85°	52.2	54.7	186.3	877.0	2501.9	2690.8	4646.1	4554.2	1448.5	211.2	305.6
87.5°	0.0	0.0	44.7	275.8	735.4	1465.9	2834.9	2800.1	491.9	101.9	114.3
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°	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2	17650.2
2.5°	17511.0	17339.6	16979.3	16534.6	16194.2	15819.1	15520.9	15143.3	14979.3	14986.7	14897.3
5°	17118.5	16765.7	15968.1	14961.9	14186.7	13386.7	12698.5	12012.7	11607.8	11476.1	11351.9
7.5°	16557.0	15997.9	14725.9	13175.5	11863.7	10581.7	9466.1	8484.7	7863.6	7560.5	7448.6
10°	15923.4	15138.3	13297.3	11255.0	9381.6	7647.4	6201.4	4944.2	4442.4	4102.0	4015.0
12.5°	15366.9	14303.5	11900.9	9284.7	7061.1	4969.1	3590.2	2807.5	2467.1	2333.0	2310.6
15°	14842.6	13523.3	10556.8	7500.8	4889.6	3058.5	2283.3	2017.4	1937.9	1915.6	1915.6
17.5°	14348.2	12780.5	9242.5	5744.3	3234.9	2144.2	1890.7	1831.1	1806.3	1803.8	1806.3
20°	13831.4	12037.6	7950.5	4208.8	2258.4	1816.2	1746.6	1714.3	1706.9	1706.9	1706.9
22.5°	13337.0	11294.7	6693.3	3006.3	1811.2	1657.2	1622.4	1600.0	1592.6	1590.1	1585.1
25°	12862.5	10589.1	5466.0	2124.3	1590.1	1518.1	1488.2	1458.4	1436.1	1423.6	1416.2
27.5°	12472.4	9960.5	4323.1	1704.4	1436.1	1373.9	1336.7	1292.0	1237.3	1212.5	1202.5
30°	12161.8	9386.6	3331.8	1438.5	1292.0	1229.8	1172.7	1095.7	1016.2	973.9	971.5
32.5°	11918.3	8822.6	2529.3	1272.1	1162.8	1085.7	1003.8	906.9	814.9	767.7	765.2
35°	11799.1	8325.7	1933.0	1150.3	1048.5	951.6	849.7	742.9	653.4	608.7	603.7
37.5°	11878.6	7905.8	1508.1	1048.5	951.6	839.8	720.5	608.7	529.2	489.5	487.0
40°	12169.3	7637.5	1224.9	961.5	869.6	732.9	603.7	499.4	432.3	400.0	397.5
42.5°	12787.9	7538.1	1046.0	889.5	790.1	633.6	501.9	412.4	350.3	328.0	323.0
45°	13821.5	7684.7	924.2	819.9	708.1	539.1	414.9	337.9	283.2	265.8	263.4
47.5°	15197.9	8069.8	837.3	752.8	633.6	454.7	345.4	273.3	231.1	213.7	211.2
50°	16971.9	8681.0	765.2	685.7	564.0	385.1	285.7	216.2	178.9	166.5	166.5
52.5°	18902.4	9408.9	700.6	623.6	494.4	320.5	231.1	166.5	141.6	126.7	126.7
55°	20497.4	10045.0	631.1	576.4	409.9	265.8	176.4	126.7	104.4	96.9	96.9
57.5°	22090.0	10723.3	551.6	494.4	328.0	216.2	134.2	94.4	77.0	72.1	72.1
60°	24154.7	11553.1	474.5	402.5	258.4	164.0	99.4	67.1	57.1	54.7	54.7
62.5°	26425.6	12040.1	405.0	323.0	201.2	121.7	72.1	44.7	42.2	42.2	39.8
65°	27814.4	11351.9	340.4	258.4	156.5	91.9	47.2	32.3	37.3	34.8	29.8
67.5°	26042.9	8887.2	278.3	201.2	121.7	69.6	29.8	22.4	39.8	32.3	24.8
70°	21563.3	6221.3	216.2	141.6	96.9	59.6	19.9	14.9	42.2	32.3	19.9
72.5°	16137.1	4164.1	171.4	94.4	72.1	52.2	17.4	7.5	37.3	27.3	17.4
75°	8817.6	1677.1	136.6	59.6	44.7	37.3	12.4	5.0	24.8	19.9	12.4
77.5°	2320.6	442.2	99.4	39.8	24.8	14.9	7.5	2.5	12.4	9.9	5.0
80°	591.3	171.4	64.6	27.3	17.4	7.5	0.0	0.0	2.5	0.0	0.0
82.5°	315.5	72.1	39.8	19.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	238.5	47.2	22.4	12.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	91.9	14.9	7.5	0.0	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)