

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: P323582

Luminaire Tested: **GAN-SA8D-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323582
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-SA8D-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 53124 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

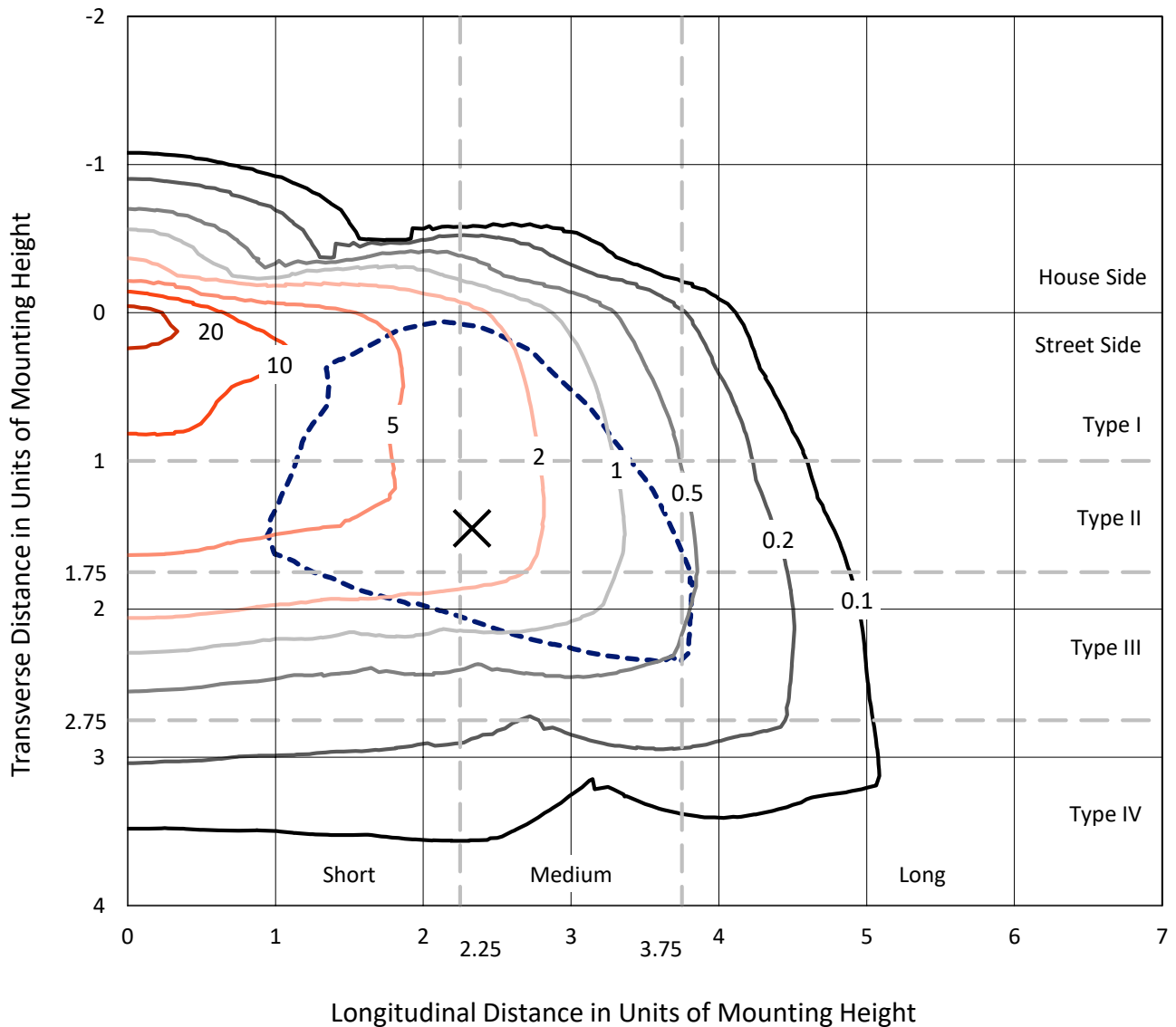
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

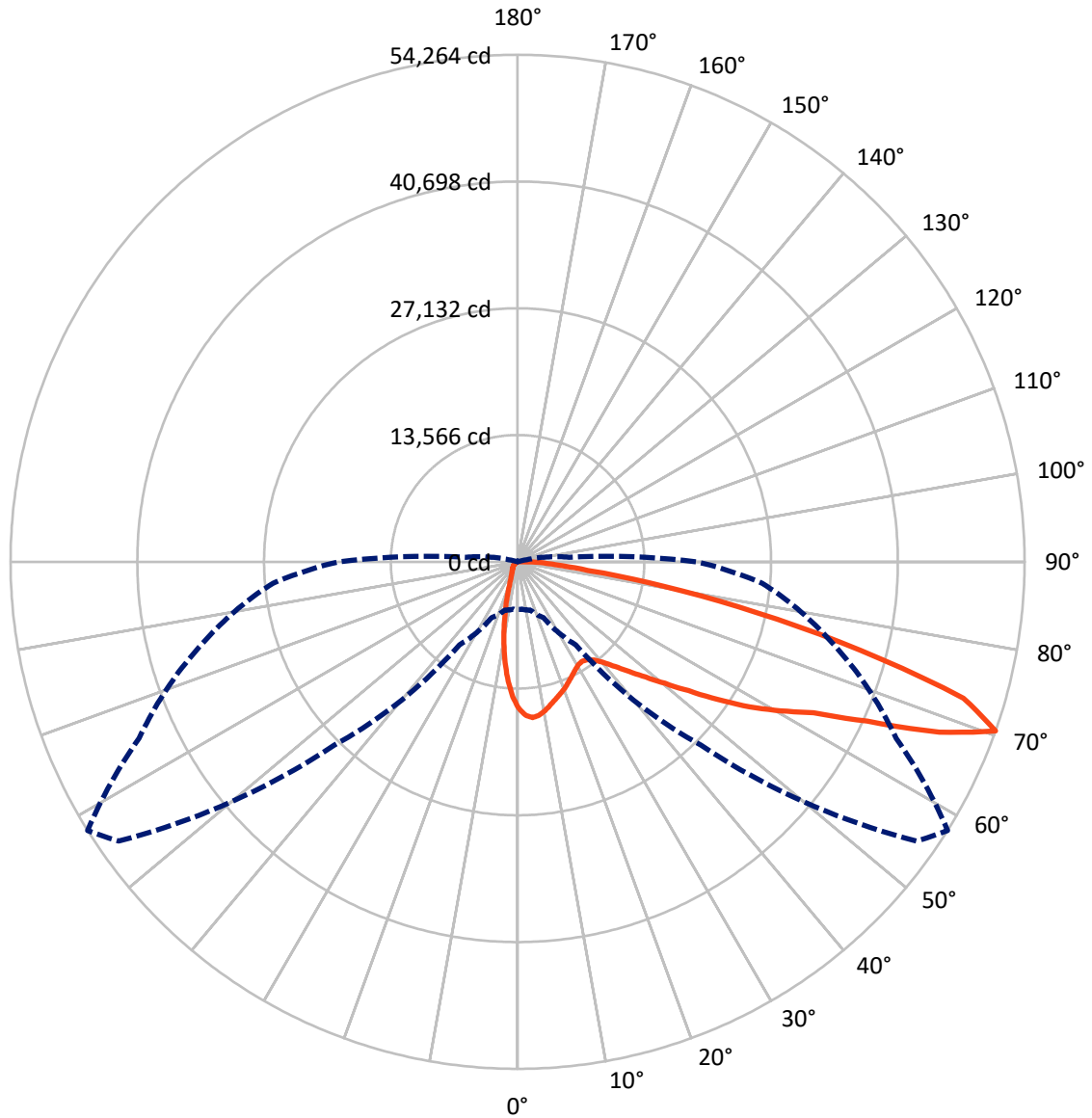
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.5 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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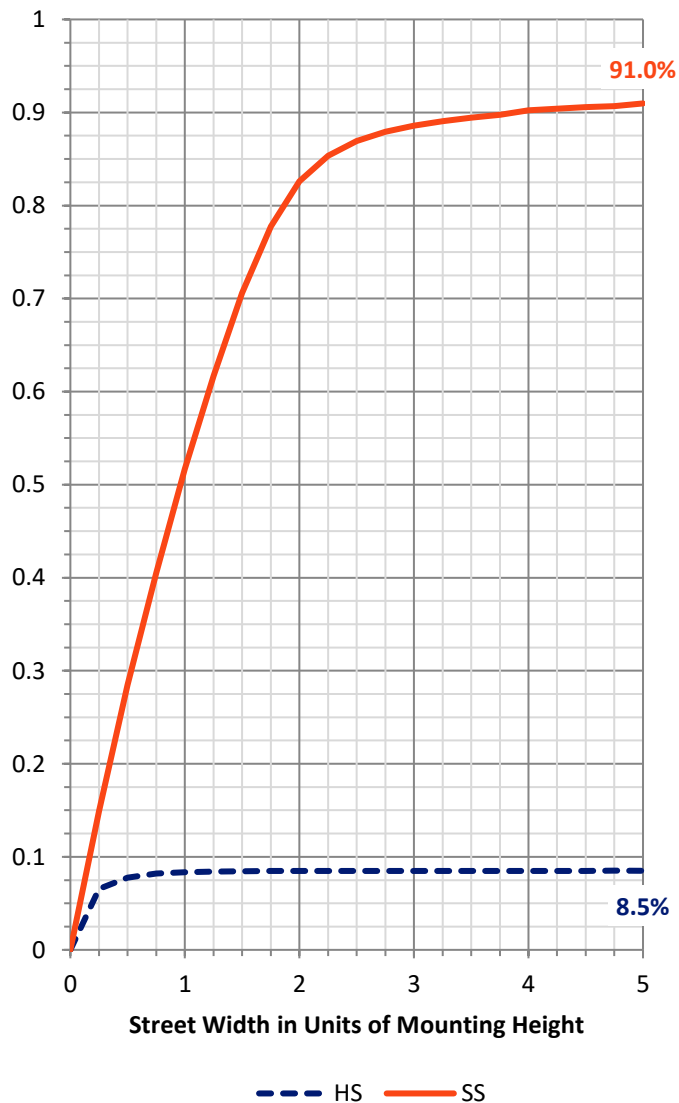
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4546.2	0.0	4546.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	48577.8	0.0	48577.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	53124.0	0.0	53124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1283.2	2.4
10°-20°	2693.2	5.1
20°-30°	3540.7	6.7
30°-40°	4689.2	8.8
40°-50°	7009.0	13.2
50°-60°	11228.1	21.1
60°-70°	14152.9	26.6
70°-80°	7634.0	14.4
80°-90°	893.6	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°	53124.0	100.0
0°-180°	53124.0	100.0

Coefficient of Utilization

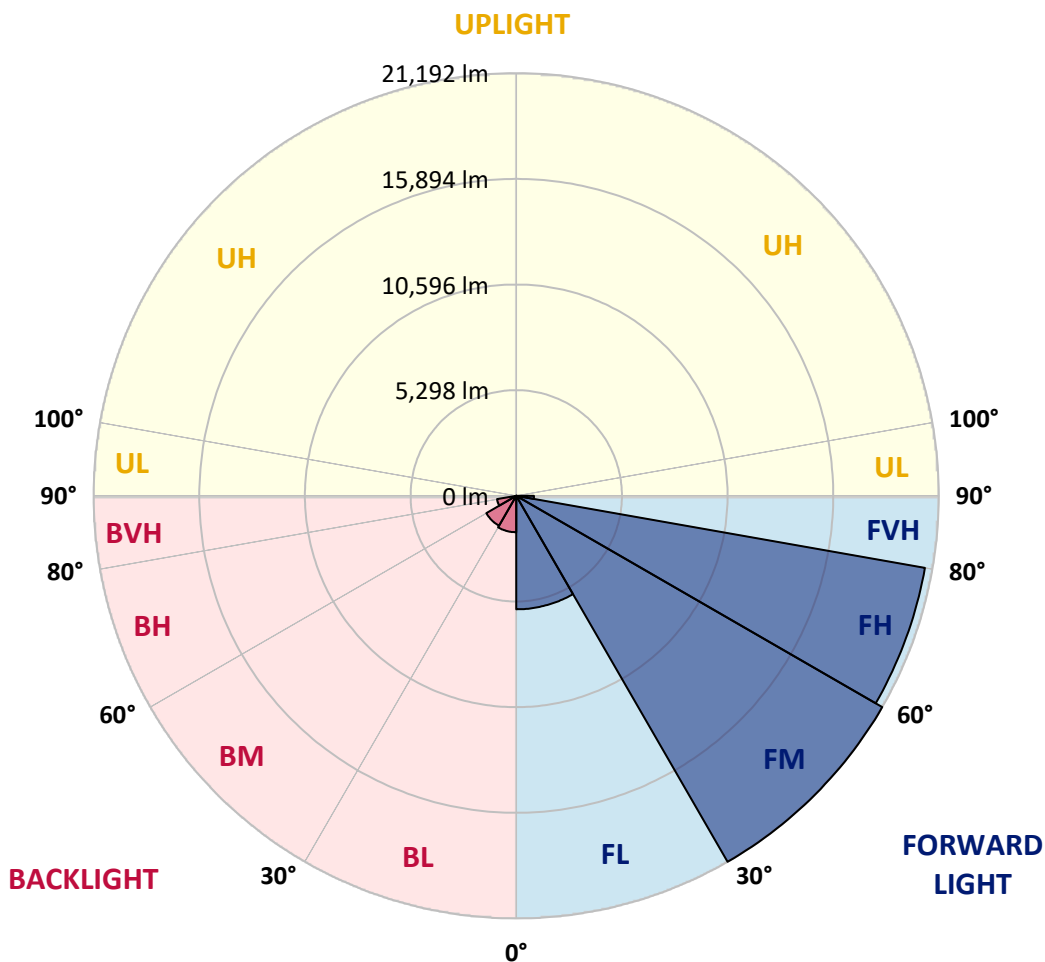


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5690.7	10.7			
FM (30°-60°)	21192.0	39.9			
FH (60°-80°)	20809.2	39.2			G5
FVH (80°-90°)	885.9	1.7			G5
BL (0°-30°)	1826.5	3.4	B3/2500		
BM (30°-60°)	1734.3	3.3	B2/2500		
BH (60°-80°)	977.7	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.7	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°	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6
2.5°	16993.7	16951.7	16936.2	16909.7	16808.1	16708.7	16512.1	16456.9	16333.2	16039.4	15727.9
5°	17006.9	17004.7	17051.1	17040.1	17004.7	16958.3	16816.9	16744.1	16534.2	16114.5	15544.6
7.5°	16187.4	16229.4	16333.2	16417.1	16514.3	16640.2	16657.9	16587.2	16414.9	15962.1	15206.6
10°	15087.3	15153.6	15299.4	15465.1	15719.1	15970.9	16196.2	16187.4	16127.7	15681.5	14800.2
12.5°	13985.0	14062.4	14230.2	14475.4	14835.5	15246.4	15648.4	15703.6	15803.0	15429.7	14424.6
15°	13019.7	13086.0	13251.7	13552.1	13998.3	14550.5	15140.3	15241.9	15498.2	15233.1	14111.0
17.5°	12200.2	12242.2	12363.6	12697.2	13214.1	13883.4	14649.9	14848.7	15230.9	15078.5	13839.2
20°	11628.1	11634.7	11714.2	11948.4	12465.3	13214.1	14141.9	14426.8	14948.2	14945.9	13558.7
22.5°	11345.3	11323.2	11338.7	11473.4	11853.4	12575.7	13633.8	13971.8	14694.1	14833.3	13273.7
25°	11292.3	11274.6	11230.4	11248.1	11477.8	12016.8	13121.3	13512.3	14471.0	14764.8	13026.3
27.5°	11458.0	11475.6	11400.5	11321.0	11338.7	11654.6	12666.3	13119.1	14289.9	14764.8	12851.8
30°	11791.5	11800.4	11745.1	11641.3	11502.1	11553.0	12350.4	12803.2	14199.3	14866.4	12741.4
32.5°	12160.4	12209.0	12202.4	12118.5	11919.6	11714.2	12275.3	12688.4	14192.7	15091.7	12730.3
35°	12617.7	12672.9	12765.7	12748.0	12540.4	12202.4	12531.5	12856.3	14323.0	15462.8	12849.6
37.5°	13103.7	13187.6	13386.4	13481.4	13346.6	12964.5	13105.9	13337.8	14672.0	16063.7	13152.3
40°	13574.2	13669.2	14031.4	14404.7	14303.1	13909.9	13976.2	14161.8	15292.8	16927.4	13726.6
42.5°	14035.8	14177.2	14709.6	15323.7	15445.2	15131.5	15166.8	15314.8	16213.9	18115.8	14665.4
45°	14588.1	14747.1	15535.7	16293.4	16618.1	16481.2	16631.4	16728.6	17417.8	19686.4	15931.1
47.5°	15398.8	15582.1	16549.7	17413.4	17983.3	18071.6	18374.3	18438.3	18939.8	21515.4	17581.3
50°	16980.4	17031.2	17906.0	18690.2	19511.9	20042.1	20386.7	20435.3	20782.1	23514.6	19642.2
52.5°	18970.7	19003.8	19498.6	20024.4	20958.8	22041.2	22847.5	22915.9	22988.8	25462.9	21676.7
55°	20947.7	20943.3	21270.2	21579.5	22648.6	24221.4	25971.0	26012.9	25489.4	27311.8	23231.8
57.5°	22182.6	22301.8	22798.9	23196.5	24689.7	26706.5	29134.2	29288.8	28115.9	28681.4	24769.3
60°	21789.4	21846.8	22949.1	24420.2	27232.3	30238.7	32335.0	32374.8	30090.7	30048.7	26713.2
62.5°	18564.2	18595.2	20327.0	23359.9	28520.1	34820.1	36196.3	35549.1	32361.5	31946.2	29039.2
65°	12723.7	12924.7	14371.6	18120.2	26154.3	37694.0	42173.8	41102.4	35823.0	34681.0	31142.2
67.5°	7492.9	7450.9	8166.6	10927.8	19209.3	35785.4	49735.1	48670.4	40543.6	36512.2	30525.9
70°	5118.2	5089.5	5363.4	6615.9	10843.9	27760.2	52114.2	54263.5	44711.9	35279.6	26271.4
72.5°	3653.6	3669.1	4073.4	5140.3	6808.1	16174.1	44815.7	49903.0	43406.4	30755.6	19969.2
75°	2480.7	2522.7	3101.4	4216.9	5968.7	8228.4	31802.7	37934.8	35345.9	22352.6	11477.8
77.5°	1334.2	1380.6	2063.2	3397.4	5396.5	5716.8	20457.3	26107.9	22202.4	10048.6	3326.7
80°	556.7	583.2	965.3	2469.6	4663.2	5021.0	12036.7	15831.7	9461.1	1981.5	742.2
82.5°	240.8	254.0	402.0	1473.4	3485.8	4239.0	6372.9	7616.6	2867.3	435.2	373.3
85°	46.4	48.6	165.7	779.8	2224.4	2392.3	4130.8	4049.1	1287.8	187.8	271.7
87.5°	0.0	0.0	39.8	245.2	653.9	1303.3	2520.4	2489.5	437.4	90.6	101.6
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°	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6	15692.6
2.5°	15568.9	15416.5	15096.2	14700.7	14398.1	14064.6	13799.5	13463.7	13317.9	13324.6	13245.0
5°	15219.9	14906.2	14197.1	13302.5	12613.3	11902.0	11290.1	10680.4	10320.3	10203.3	10092.8
7.5°	14720.6	14223.6	13092.6	11714.2	10547.9	9408.0	8416.2	7543.7	6991.4	6721.9	6622.5
10°	14157.3	13459.3	11822.4	10006.7	8341.1	6799.2	5513.6	4395.9	3949.7	3647.0	3569.7
12.5°	13662.5	12717.1	10581.0	8254.9	6277.9	4418.0	3192.0	2496.1	2193.5	2074.2	2054.3
15°	13196.4	12023.5	9385.9	6668.9	4347.3	2719.3	2030.1	1793.7	1723.0	1703.1	1703.1
17.5°	12756.8	11363.0	8217.4	5107.2	2876.1	1906.3	1681.0	1628.0	1605.9	1603.7	1605.9
20°	12297.4	10702.5	7068.7	3742.0	2008.0	1614.8	1552.9	1524.2	1517.6	1517.6	1517.6
22.5°	11857.8	10042.0	5951.0	2672.9	1610.3	1473.4	1442.5	1422.6	1416.0	1413.7	1409.3
25°	11435.9	9414.7	4859.8	1888.7	1413.7	1349.7	1323.2	1296.7	1276.8	1265.7	1259.1
27.5°	11089.1	8855.8	3843.6	1515.4	1276.8	1221.6	1188.4	1148.7	1100.1	1078.0	1069.1
30°	10812.9	8345.5	2962.2	1279.0	1148.7	1093.4	1042.6	974.2	903.5	865.9	863.7
32.5°	10596.5	7844.1	2248.7	1131.0	1033.8	965.3	892.4	806.3	724.5	682.6	680.4
35°	10490.4	7402.3	1718.6	1022.8	932.2	846.0	755.5	660.5	581.0	541.2	536.8
37.5°	10561.1	7029.0	1340.8	932.2	846.0	746.6	640.6	541.2	470.5	435.2	433.0
40°	10819.6	6790.4	1089.0	854.9	773.1	651.6	536.8	444.0	384.4	355.6	353.4
42.5°	11369.6	6702.0	930.0	790.8	702.5	563.3	446.2	366.7	311.5	291.6	287.2
45°	12288.5	6832.4	821.7	729.0	629.6	479.3	368.9	300.4	251.8	236.4	234.2
47.5°	13512.3	7174.8	744.4	669.3	563.3	404.2	307.0	243.0	205.4	190.0	187.8
50°	15089.5	7718.2	680.4	609.7	501.4	342.4	254.0	192.2	159.0	148.0	148.0
52.5°	16805.9	8365.4	622.9	554.5	439.6	285.0	205.4	148.0	125.9	112.7	112.7
55°	18224.1	8930.9	561.1	512.5	364.5	236.4	156.8	112.7	92.8	86.2	86.2
57.5°	19640.0	9533.9	490.4	439.6	291.6	192.2	119.3	83.9	68.5	64.1	64.1
60°	21475.7	10271.7	421.9	357.9	229.7	145.8	88.4	59.6	50.8	48.6	48.6
62.5°	23494.7	10704.7	360.1	287.2	178.9	108.2	64.1	39.8	37.6	37.6	35.3
65°	24729.5	10092.8	302.6	229.7	139.2	81.7	42.0	28.7	33.1	30.9	26.5
67.5°	23154.5	7901.5	247.4	178.9	108.2	61.9	26.5	19.9	35.3	28.7	22.1
70°	19171.7	5531.3	192.2	125.9	86.2	53.0	17.7	13.3	37.6	28.7	17.7
72.5°	14347.3	3702.2	152.4	83.9	64.1	46.4	15.5	6.6	33.1	24.3	15.5
75°	7839.7	1491.1	121.5	53.0	39.8	33.1	11.0	4.4	22.1	17.7	11.0
77.5°	2063.2	393.2	88.4	35.3	22.1	13.3	6.6	2.2	11.0	8.8	4.4
80°	525.7	152.4	57.4	24.3	15.5	6.6	0.0	0.0	2.2	0.0	0.0
82.5°	280.5	64.1	35.3	17.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	212.1	42.0	19.9	11.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	81.7	13.3	6.6	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)