

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: P323560

Luminaire Tested: **GAN-SA6B-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323560
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-SA6B-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA 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: 29200 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

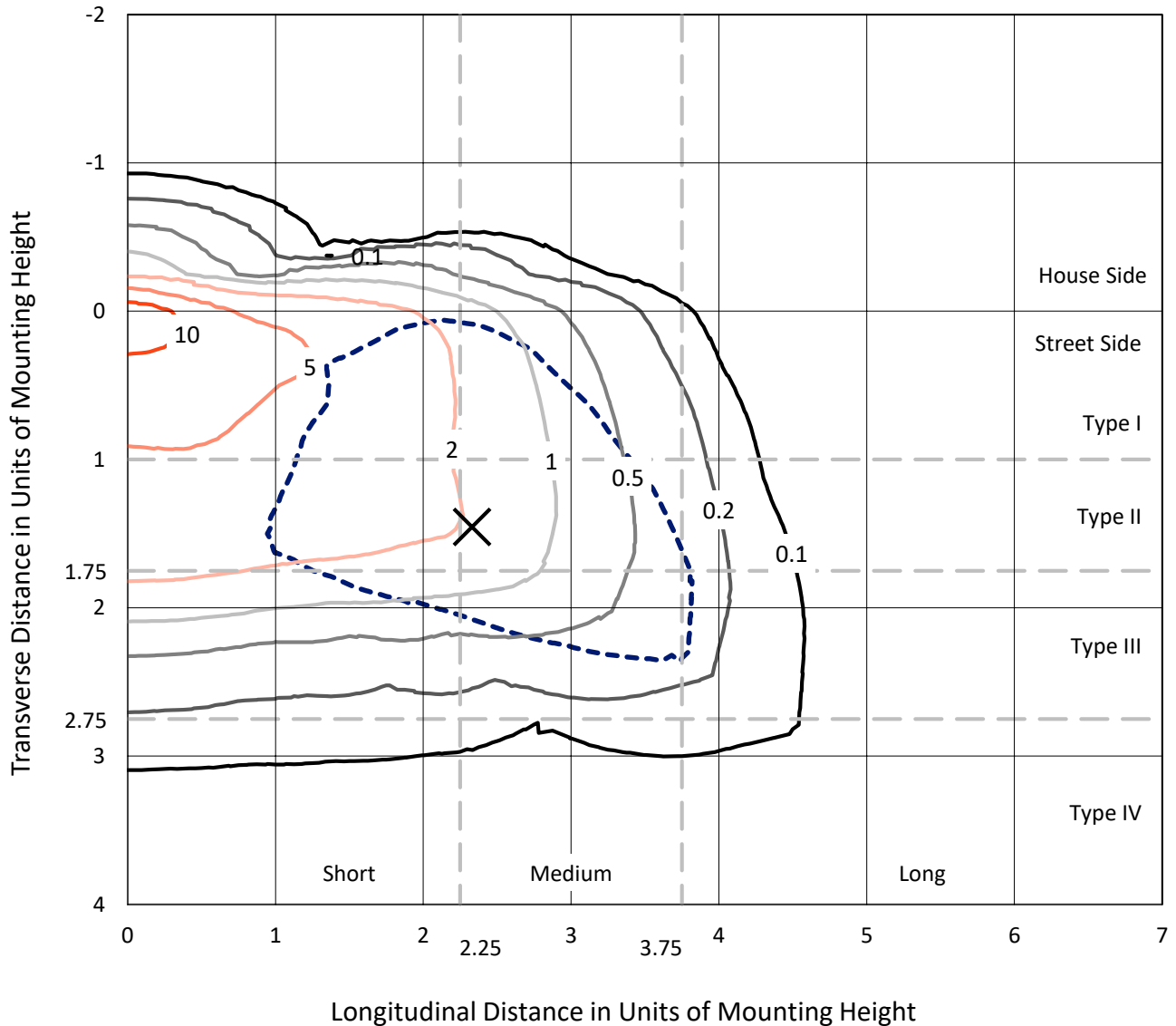
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

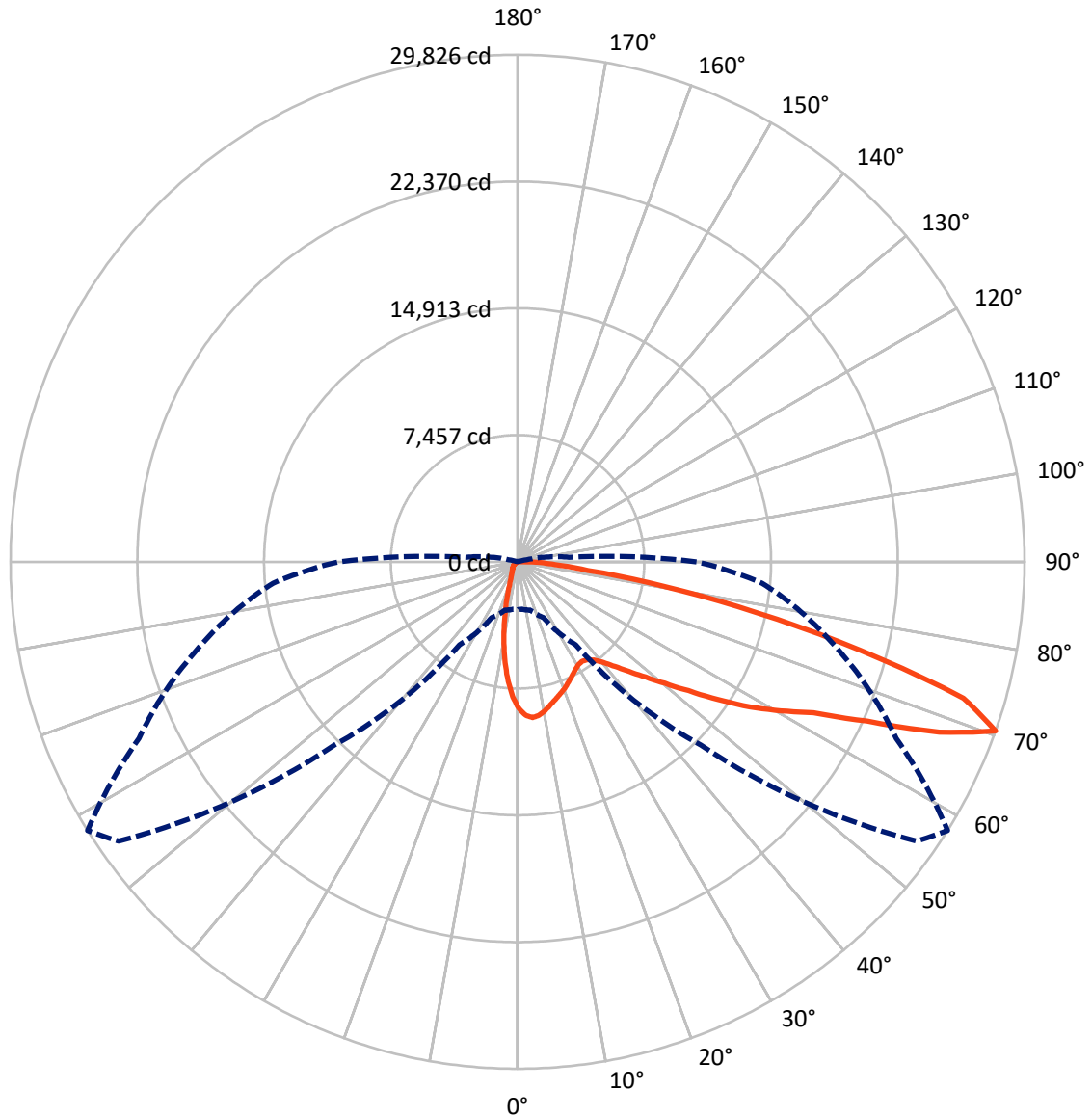
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	2498.9	0.0	2498.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	26701.1	0.0	26701.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	29200.0	0.0	29200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	705.3	2.4
10°-20°	1480.4	5.1
20°-30°	1946.2	6.7
30°-40°	2577.5	8.8
40°-50°	3852.5	13.2
50°-60°	6171.6	21.1
60°-70°	7779.2	26.6
70°-80°	4196.1	14.4
80°-90°	491.2	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°	29200.0	100.0
0°-180°	29200.0	100.0

Coefficient of Utilization

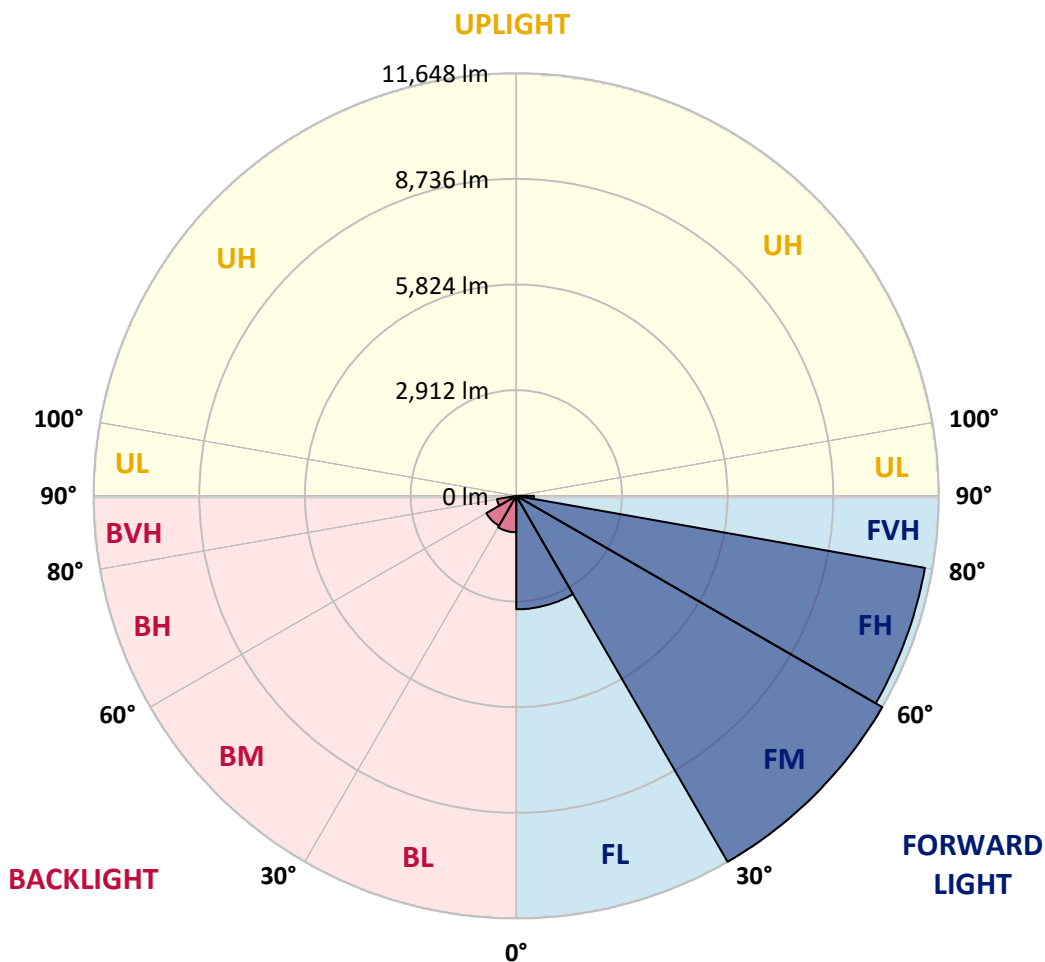


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3127.9	10.7			
FM (30°-60°)	11648.3	39.9			
FH (60°-80°)	11437.9	39.2			G4/12000
FVH (80°-90°)	486.9	1.7			G3/500
BL (0°-30°)	1004.0	3.4	B3/2500		
BM (30°-60°)	953.3	3.3	B1/1000		
BH (60°-80°)	537.4	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5
2.5°	9340.7	9317.6	9309.1	9294.6	9238.7	9184.1	9076.0	9045.6	8977.7	8816.2	8645.0
5°	9348.0	9346.8	9372.3	9366.2	9346.8	9321.3	9243.6	9203.5	9088.1	8857.5	8544.2
7.5°	8897.5	8920.6	8977.7	9023.8	9077.2	9146.4	9156.1	9117.3	9022.6	8773.7	8358.4
10°	8292.9	8329.3	8409.4	8500.5	8640.1	8778.5	8902.4	8897.5	8864.7	8619.5	8135.0
12.5°	7687.0	7729.5	7821.8	7956.5	8154.4	8380.3	8601.3	8631.6	8686.3	8481.1	7928.6
15°	7156.4	7192.8	7283.9	7449.0	7694.3	7997.8	8322.0	8377.8	8518.7	8373.0	7756.2
17.5°	6705.9	6729.0	6795.8	6979.1	7263.2	7631.1	8052.4	8161.7	8371.8	8288.0	7606.8
20°	6391.4	6395.1	6438.8	6567.5	6851.6	7263.2	7773.2	7929.8	8216.4	8215.1	7452.6
22.5°	6236.0	6223.9	6232.4	6306.5	6515.3	6912.3	7493.9	7679.7	8076.7	8153.2	7296.0
25°	6206.9	6197.2	6172.9	6182.6	6308.9	6605.1	7212.2	7427.1	7954.1	8115.6	7160.0
27.5°	6298.0	6307.7	6266.4	6222.7	6232.4	6406.0	6962.1	7211.0	7854.5	8115.6	7064.1
30°	6481.3	6486.2	6455.8	6398.7	6322.2	6350.2	6788.5	7037.4	7804.8	8171.4	7003.4
32.5°	6684.1	6710.8	6707.1	6661.0	6551.7	6438.8	6747.2	6974.3	7801.1	8295.3	6997.3
35°	6935.4	6965.8	7016.8	7007.0	6892.9	6707.1	6888.0	7066.5	7872.7	8499.3	7062.9
37.5°	7202.5	7248.7	7357.9	7410.1	7336.1	7126.0	7203.7	7331.2	8064.6	8829.5	7229.2
40°	7461.1	7513.4	7712.5	7917.7	7861.8	7645.7	7682.1	7784.1	8405.8	9304.3	7544.9
42.5°	7714.9	7792.6	8085.2	8422.8	8489.6	8317.1	8336.6	8417.9	8912.1	9957.5	8060.9
45°	8018.5	8105.9	8539.3	8955.8	9134.3	9059.0	9141.6	9195.0	9573.8	10820.8	8756.7
47.5°	8464.1	8564.8	9096.6	9571.4	9884.6	9933.2	10099.6	10134.8	10410.4	11826.1	9663.7
50°	9333.4	9361.3	9842.2	10273.2	10724.9	11016.3	11205.7	11232.4	11423.0	12925.0	10796.5
52.5°	10427.4	10445.6	10717.6	11006.6	11520.1	12115.1	12558.3	12595.9	12636.0	13995.9	11914.8
55°	11514.1	11511.7	11691.3	11861.3	12449.0	13313.5	14275.1	14298.2	14010.4	15012.1	12769.5
57.5°	12192.8	12258.4	12531.6	12750.1	13570.9	14679.4	16013.8	16098.8	15454.1	15764.9	13614.6
60°	11976.7	12008.3	12614.1	13422.8	14968.4	16620.9	17773.2	17795.0	16539.6	16516.5	14683.1
62.5°	10204.0	10221.0	11172.9	12840.0	15676.3	19139.1	19895.6	19539.8	17787.8	17559.5	15961.6
65°	6993.7	7104.2	7899.5	9959.9	14375.9	20718.8	23181.1	22592.3	19690.4	19062.6	17117.5
67.5°	4118.5	4095.4	4488.8	6006.6	10558.5	19669.7	27337.3	26752.0	22285.1	20069.2	16778.8
70°	2813.3	2797.5	2948.0	3636.5	5960.4	15258.6	28645.0	29826.4	24576.2	19391.7	14440.3
72.5°	2008.3	2016.8	2238.9	2825.4	3742.1	8890.2	24633.3	27429.6	23858.7	16905.0	10976.2
75°	1363.5	1386.6	1704.7	2317.9	3280.7	4522.8	17480.6	20851.1	19428.1	12286.3	6308.9
77.5°	733.4	758.9	1134.0	1867.4	2966.2	3142.3	11244.5	14350.4	12203.7	5523.3	1828.6
80°	306.0	320.5	530.6	1357.5	2563.1	2759.8	6616.1	8702.0	5200.3	1089.1	408.0
82.5°	132.3	139.6	221.0	809.9	1916.0	2330.0	3502.9	4186.5	1576.0	239.2	205.2
85°	25.5	26.7	91.1	428.6	1222.7	1315.0	2270.5	2225.6	707.9	103.2	149.3
87.5°	0.0	0.0	21.9	134.8	359.4	716.4	1385.4	1368.4	240.4	49.8	55.9
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°	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5	8625.5
2.5°	8557.5	8473.8	8297.7	8080.4	7914.0	7730.7	7585.0	7400.4	7320.3	7323.9	7280.2
5°	8365.7	8193.3	7803.5	7311.8	6933.0	6542.0	6205.7	5870.6	5672.7	5608.3	5547.6
7.5°	8091.3	7818.1	7196.5	6438.8	5797.7	5171.2	4626.0	4146.4	3842.9	3694.8	3640.1
10°	7781.7	7398.0	6498.3	5500.2	4584.7	3737.2	3030.6	2416.2	2171.0	2004.6	1962.1
12.5°	7509.7	6990.0	5815.9	4537.4	3450.7	2428.4	1754.5	1372.0	1205.7	1140.1	1129.2
15°	7253.5	6608.8	5159.1	3665.6	2389.5	1494.7	1115.8	985.9	947.1	936.1	936.1
17.5°	7011.9	6245.7	4516.8	2807.2	1580.9	1047.8	924.0	894.9	882.7	881.5	882.7
20°	6759.3	5882.7	3885.4	2056.8	1103.7	887.6	853.6	837.8	834.1	834.1	834.1
22.5°	6517.7	5519.7	3271.0	1469.2	885.1	809.9	792.9	781.9	778.3	777.1	774.6
25°	6285.8	5174.8	2671.2	1038.1	777.1	741.9	727.3	712.7	701.8	695.7	692.1
27.5°	6095.2	4867.7	2112.7	832.9	701.8	671.4	653.2	631.4	604.7	592.5	587.7
30°	5943.4	4587.2	1628.2	703.0	631.4	601.0	573.1	535.5	496.6	476.0	474.7
32.5°	5824.4	4311.6	1236.0	621.7	568.2	530.6	490.5	443.2	398.3	375.2	374.0
35°	5766.1	4068.7	944.6	562.2	512.4	465.0	415.2	363.0	319.3	297.5	295.0
37.5°	5805.0	3863.5	737.0	512.4	465.0	410.4	352.1	297.5	258.6	239.2	238.0
40°	5947.1	3732.4	598.6	469.9	425.0	358.2	295.0	244.1	211.3	195.5	194.3
42.5°	6249.4	3683.8	511.2	434.7	386.1	309.6	245.3	201.6	171.2	160.3	157.8
45°	6754.5	3755.5	451.7	400.7	346.0	263.5	202.8	165.1	138.4	129.9	128.7
47.5°	7427.1	3943.7	409.2	367.9	309.6	222.2	168.8	133.6	112.9	104.4	103.2
50°	8294.1	4242.3	374.0	335.1	275.6	188.2	139.6	105.6	87.4	81.4	81.4
52.5°	9237.5	4598.1	342.4	304.8	241.6	156.6	112.9	81.4	69.2	61.9	61.9
55°	10017.0	4908.9	308.4	281.7	200.3	129.9	86.2	61.9	51.0	47.4	47.4
57.5°	10795.3	5240.4	269.5	241.6	160.3	105.6	65.6	46.1	37.6	35.2	35.2
60°	11804.3	5645.9	231.9	196.7	126.3	80.1	48.6	32.8	27.9	26.7	26.7
62.5°	12914.0	5883.9	197.9	157.8	98.3	59.5	35.2	21.9	20.6	20.6	19.4
65°	13592.8	5547.6	166.3	126.3	76.5	44.9	23.1	15.8	18.2	17.0	14.6
67.5°	12727.0	4343.1	136.0	98.3	59.5	34.0	14.6	10.9	19.4	15.8	12.1
70°	10537.9	3040.3	105.6	69.2	47.4	29.1	9.7	7.3	20.6	15.8	9.7
72.5°	7886.1	2035.0	83.8	46.1	35.2	25.5	8.5	3.6	18.2	13.4	8.5
75°	4309.1	819.6	66.8	29.1	21.9	18.2	6.1	2.4	12.1	9.7	6.1
77.5°	1134.0	216.1	48.6	19.4	12.1	7.3	3.6	1.2	6.1	4.9	2.4
80°	289.0	83.8	31.6	13.4	8.5	3.6	0.0	0.0	1.2	0.0	0.0
82.5°	154.2	35.2	19.4	9.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	116.6	23.1	10.9	6.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	44.9	7.3	3.6	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)