

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: P322326

Luminaire Tested: **GAN-SA2C-760-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10546 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 113
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

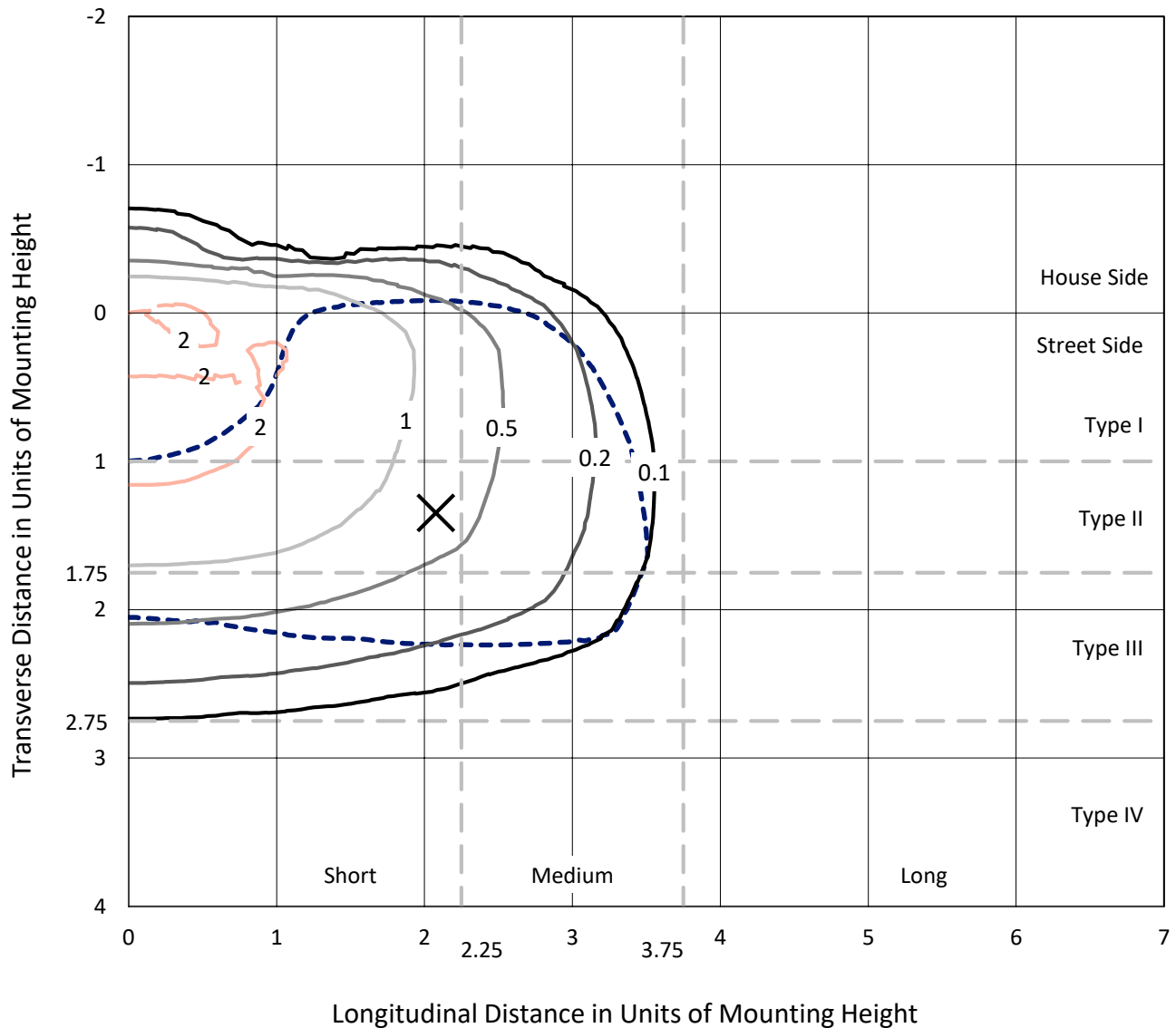


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Iso-Footcandle Lines of Horizontal Illumination

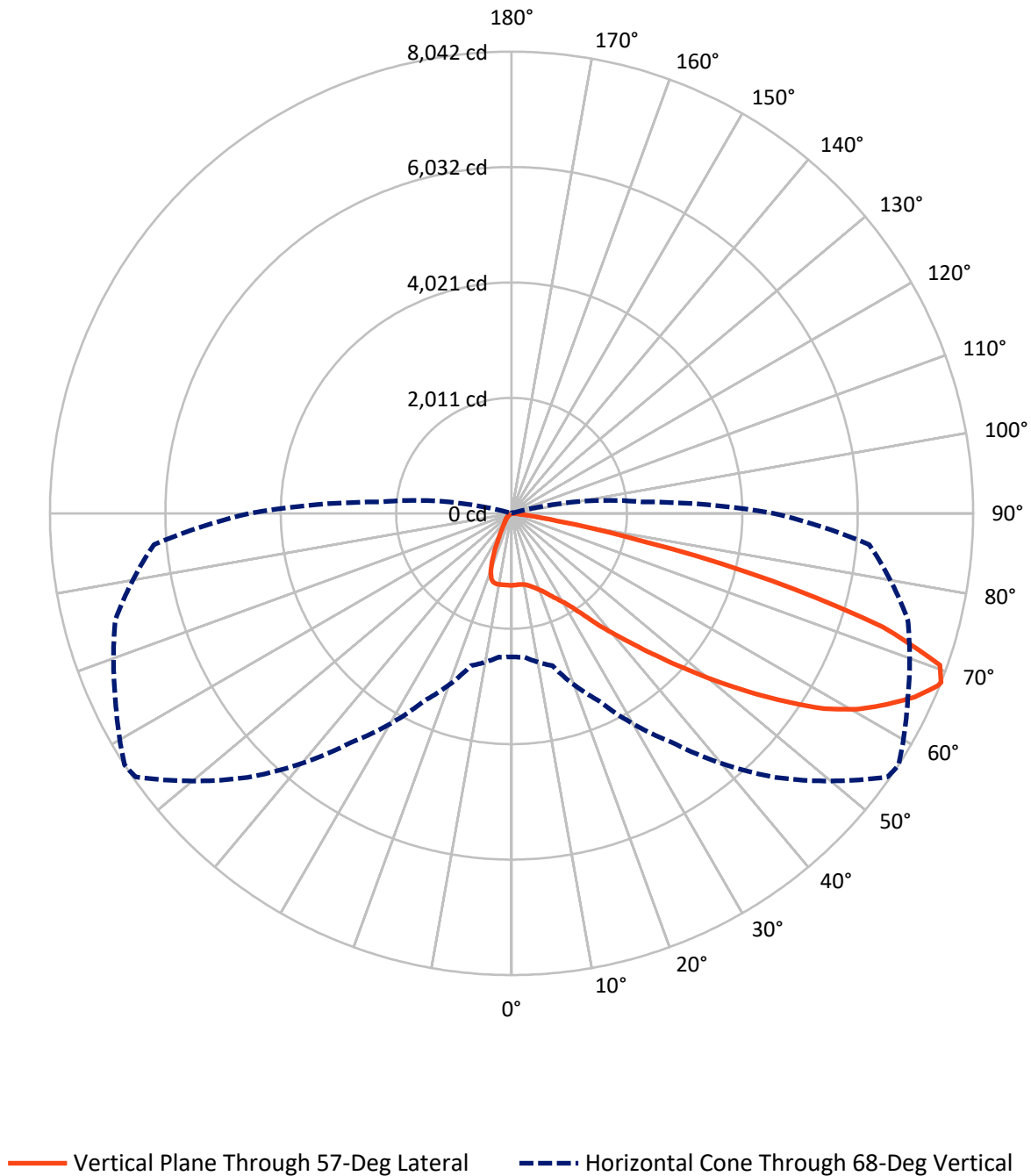
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1156.4	0.0	1156.4
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	9389.6	0.0	9389.6
	% Fixture	89.0	0.0	89.0
Total	Lumens	10546.0	0.0	10546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.1
10°-20°	325.0	3.1
20°-30°	560.6	5.3
30°-40°	967.6	9.2
40°-50°	1655.1	15.7
50°-60°	2648.0	25.1
60°-70°	3059.5	29.0
70°-80°	1169.1	11.1
80°-90°	43.8	0.4
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°	10546.0	100.0
0°-180°	10546.0	100.0

Coefficient of Utilization



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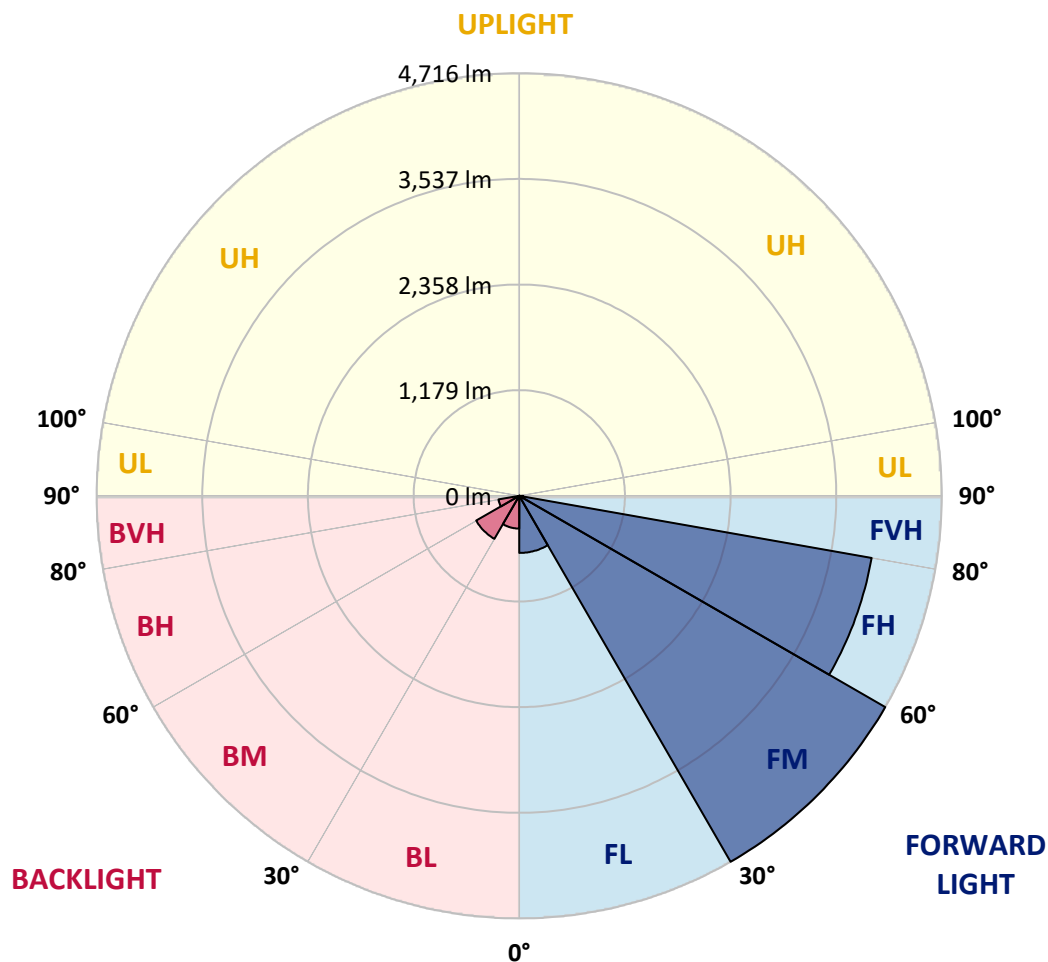
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	637.4	6.0			
FM	(30°-60°)	4716.1	44.7			
FH	(60°-80°)	3993.1	37.9			G2/5000
FVH	(80°-90°)	43.0	0.4			G1/100
BL	(0°-30°)	365.5	3.5	B1/500		
BM	(30°-60°)	554.6	5.3	B1/1000		
BH	(60°-80°)	235.5	2.2	B1/500		G1/500
BVH	(80°-90°)	0.8	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1
2.5°	1223.7	1229.2	1233.2	1235.7	1238.7	1245.2	1247.2	1250.2	1251.6	1251.6	1255.1
5°	1175.4	1181.3	1189.8	1196.8	1210.8	1228.7	1241.7	1246.7	1255.6	1263.6	1268.1
7.5°	1130.5	1137.5	1147.4	1163.9	1187.8	1216.7	1243.7	1250.6	1268.1	1285.1	1293.5
10°	1101.5	1107.0	1120.0	1143.4	1174.9	1215.2	1253.1	1261.6	1291.5	1320.0	1335.9
12.5°	1091.6	1096.6	1110.0	1136.5	1175.4	1222.7	1275.1	1287.6	1331.4	1372.8	1395.3
15°	1106.0	1107.0	1121.5	1146.4	1184.8	1241.2	1311.5	1326.4	1381.8	1435.7	1463.6
17.5°	1161.9	1157.4	1164.9	1175.8	1206.3	1265.6	1349.9	1372.3	1446.1	1509.5	1535.9
20°	1301.5	1301.5	1284.6	1254.6	1255.1	1303.5	1401.7	1427.2	1517.4	1590.7	1614.7
22.5°	1540.4	1535.9	1502.0	1428.7	1361.4	1368.8	1465.1	1498.0	1603.2	1681.5	1689.5
25°	1827.6	1822.1	1769.8	1666.5	1549.8	1474.5	1550.8	1588.7	1705.4	1774.7	1758.3
27.5°	2131.8	2127.3	2075.4	1947.3	1781.2	1643.1	1653.1	1689.0	1809.7	1878.0	1825.6
30°	2426.5	2428.0	2376.6	2245.0	2057.0	1858.0	1782.7	1803.7	1910.9	1980.2	1905.4
32.5°	2706.7	2708.7	2664.4	2517.3	2341.7	2107.9	1962.2	1956.8	2028.6	2096.9	2011.1
35°	2956.6	2961.6	2931.1	2817.0	2631.0	2386.1	2195.1	2182.2	2195.6	2272.9	2173.2
37.5°	3197.4	3200.4	3177.5	3081.2	2925.7	2691.8	2489.3	2470.9	2442.0	2501.3	2387.1
40°	3461.2	3453.7	3427.3	3340.1	3206.4	3029.4	2805.5	2773.6	2723.2	2776.1	2668.4
42.5°	3706.6	3698.1	3702.6	3603.8	3491.1	3376.5	3174.0	3119.1	3089.7	3150.6	3013.4
45°	4013.2	4008.8	4023.7	3938.0	3846.7	3763.4	3596.4	3536.5	3523.6	3594.9	3430.8
47.5°	4315.9	4326.9	4373.3	4336.9	4300.0	4226.7	4043.7	4016.7	4024.7	4111.0	3871.1
50°	4568.3	4581.2	4708.4	4750.3	4803.6	4760.7	4577.2	4560.8	4592.2	4670.0	4344.9
52.5°	4750.8	4777.2	4935.3	5128.3	5322.7	5351.7	5168.7	5153.7	5196.1	5208.0	4710.9
55°	4877.4	4900.9	5079.9	5432.9	5828.9	5953.6	5839.9	5782.0	5774.0	5655.8	5095.8
57.5°	4899.9	4897.4	5154.7	5629.9	6225.8	6547.5	6475.7	6418.8	6255.2	6069.7	5537.2
60°	4773.2	4787.7	5086.4	5698.2	6475.2	6996.8	7002.2	6928.4	6673.6	6472.2	5965.0
62.5°	4383.3	4442.1	4743.8	5519.2	6472.2	7177.8	7388.2	7331.9	7027.2	6801.8	6398.9
65°	3751.0	3771.9	4059.6	4905.9	6034.8	7102.0	7735.8	7714.8	7345.8	7121.9	6621.8
67.5°	2739.2	2693.8	2996.0	3863.2	5109.3	6660.2	7985.1	8011.5	7591.7	7187.7	6384.4
68°	2499.8	2513.3	2748.6	3605.3	4867.0	6504.1	8001.6	8042.0	7616.1	7144.9	6254.7
70°	1490.0	1515.9	1725.9	2482.3	3702.6	5620.9	7824.0	7916.3	7470.5	6702.5	5410.0
72.5°	380.5	411.4	609.9	1111.0	2114.8	3960.4	6604.8	6760.9	6486.1	5437.4	3652.2
75°	156.6	164.6	217.9	366.0	787.9	1784.2	4353.3	4687.4	4496.5	3255.3	1650.6
77.5°	108.2	113.7	140.1	203.0	341.1	604.9	2134.3	2375.6	2140.3	1111.0	360.0
80°	77.8	82.3	100.2	135.1	196.0	215.9	695.6	804.3	638.8	243.8	89.3
82.5°	46.4	49.9	74.8	96.2	119.2	103.2	173.0	196.5	185.0	121.2	39.9
85°	22.9	26.9	50.4	68.8	64.3	43.4	52.9	58.8	72.8	73.8	21.4
87.5°	1.5	3.0	29.4	41.4	18.0	10.0	15.5	18.9	25.9	36.4	9.0
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°	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1	1253.1
2.5°	1256.6	1257.1	1253.6	1252.1	1253.1	1247.2	1244.7	1245.7	1245.7	1247.2	1244.7
5°	1269.1	1269.1	1263.1	1255.1	1250.6	1239.2	1231.7	1229.7	1228.2	1227.2	1225.2
7.5°	1296.0	1293.0	1282.6	1265.1	1250.2	1225.2	1206.3	1196.3	1191.3	1189.3	1187.8
10°	1339.4	1333.9	1316.5	1284.1	1249.7	1205.3	1163.9	1134.5	1110.0	1100.1	1094.1
12.5°	1397.8	1389.8	1360.4	1306.5	1246.2	1164.4	1074.6	988.4	908.1	875.2	858.7
15°	1465.1	1453.6	1407.2	1325.4	1225.7	1072.1	877.2	726.1	614.9	573.0	555.0
17.5°	1533.4	1518.4	1448.1	1337.4	1164.4	881.1	615.4	464.8	390.5	370.5	363.5
20°	1602.2	1580.3	1483.5	1328.4	1025.8	635.3	405.9	339.6	318.1	312.2	310.2
22.5°	1667.5	1633.6	1515.4	1293.5	812.3	426.4	321.1	300.2	293.2	289.7	288.7
25°	1724.4	1677.0	1543.4	1185.8	575.0	322.1	289.2	282.2	273.3	266.8	267.3
27.5°	1777.7	1720.4	1560.3	1008.3	383.5	275.3	267.8	258.3	241.9	232.4	232.4
30°	1842.1	1778.2	1572.8	775.9	282.2	243.3	237.4	222.9	200.5	188.0	188.0
32.5°	1938.8	1866.0	1564.8	544.5	233.9	213.9	200.0	180.0	155.6	143.6	143.1
35°	2086.9	2001.6	1508.0	357.0	206.4	186.0	163.6	139.1	117.7	107.7	107.2
37.5°	2286.4	2183.2	1380.3	255.3	185.0	160.1	133.1	106.2	90.3	83.8	83.3
40°	2545.2	2394.1	1197.8	206.9	165.1	135.1	102.7	82.3	71.3	66.3	66.8
42.5°	2855.8	2620.0	978.9	178.5	145.6	111.2	80.3	64.8	57.8	54.4	53.4
45°	3200.9	2842.9	749.5	159.1	126.2	89.8	62.8	51.4	45.9	43.9	43.9
47.5°	3580.4	3059.8	548.5	142.1	105.2	69.3	50.4	41.9	37.4	35.9	35.4
50°	3925.0	3210.4	395.4	124.2	86.3	54.9	40.9	34.9	31.9	29.9	29.9
52.5°	4212.2	3257.8	291.2	104.7	69.8	43.9	33.9	29.9	26.9	25.4	25.4
55°	4465.0	3238.3	216.4	86.3	56.3	35.9	28.9	25.4	22.9	21.4	21.4
57.5°	4707.4	3175.5	161.6	70.3	45.4	28.9	24.4	21.4	18.9	18.0	18.0
60°	4905.4	3070.8	120.2	56.8	36.4	23.4	20.4	17.5	15.5	14.0	14.0
62.5°	5065.9	2955.1	88.3	46.9	28.9	18.5	16.0	14.5	11.5	10.0	10.0
65°	5066.9	2763.1	66.3	38.9	22.4	14.5	12.0	11.5	7.5	6.0	5.5
67.5°	4700.4	2382.1	50.9	33.4	17.5	11.0	9.0	9.5	4.0	2.5	2.0
68°	4567.3	2285.4	47.9	32.9	16.5	10.5	8.5	9.5	3.5	2.0	1.5
70°	3850.7	1818.1	38.4	31.9	14.5	8.0	7.0	9.5	3.0	1.5	1.0
72.5°	2462.9	1055.2	28.4	25.4	11.0	6.0	4.5	8.5	3.0	1.0	0.5
75°	1048.2	327.1	19.4	18.0	6.5	4.5	3.0	5.5	2.0	0.5	0.0
77.5°	220.9	73.8	11.5	11.0	4.5	3.0	2.0	1.5	0.5	0.0	0.0
80°	56.8	21.4	6.0	5.5	2.5	1.5	1.0	0.0	0.0	0.0	0.0
82.5°	18.0	8.5	3.5	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	1.5	0.5	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)