

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: P321966

Luminaire Tested: **GAN-SA2C-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10295 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

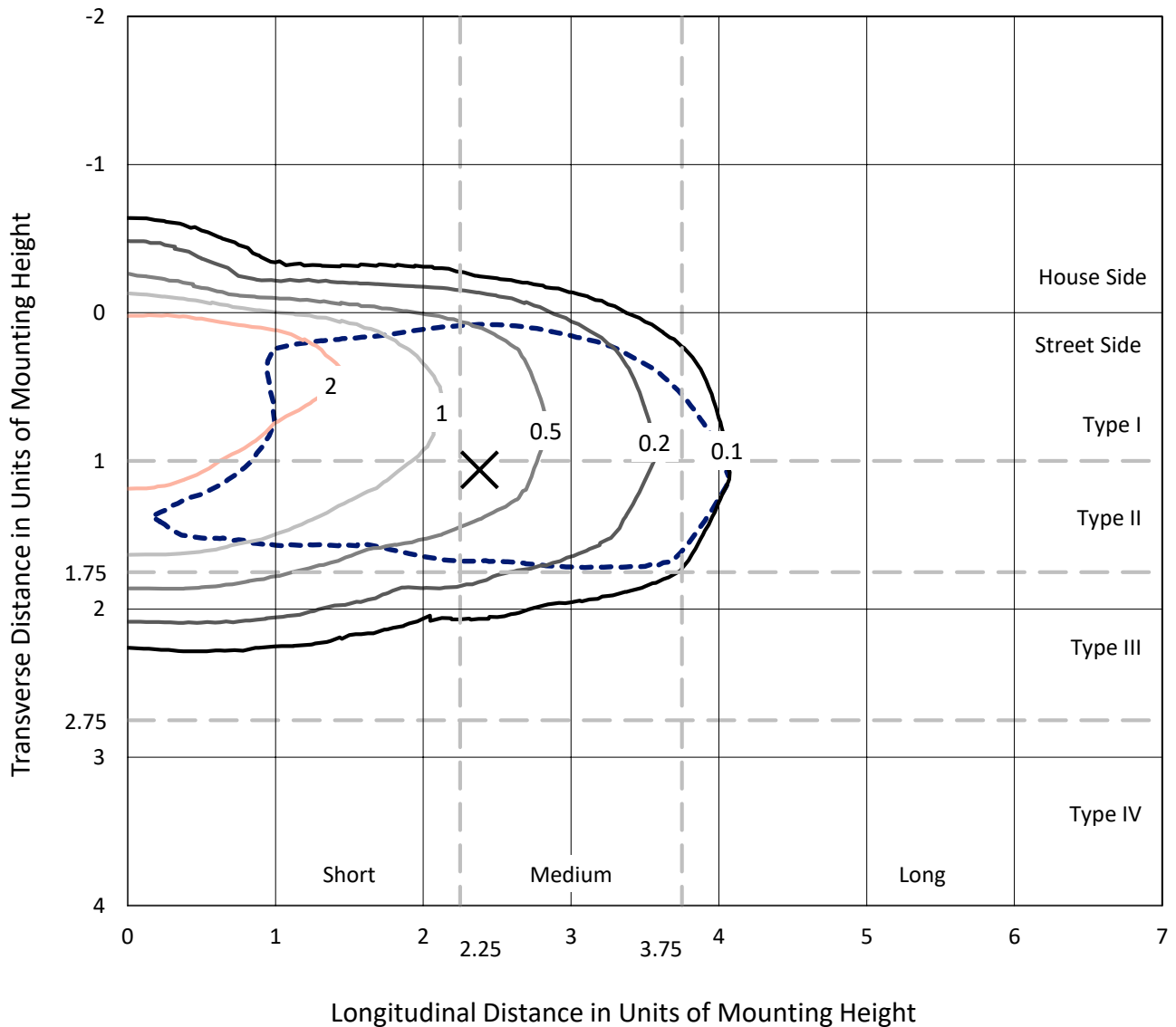
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

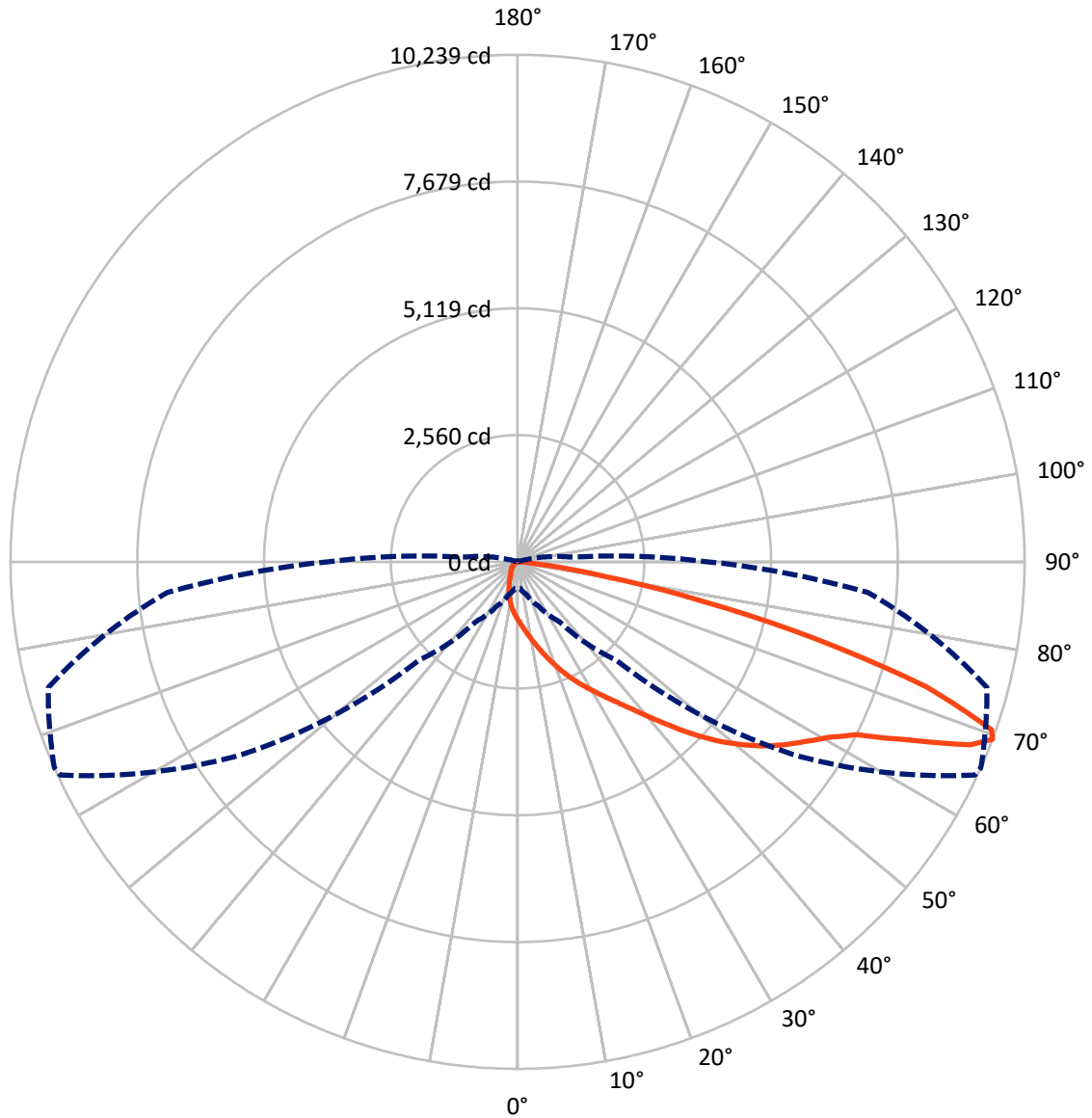
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	617.6	0.0	617.6
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	9677.4	0.0	9677.4
	% Fixture	94.0	0.0	94.0
Total	Lumens	10295.0	0.0	10295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	1.1
10°-20°	337.1	3.3
20°-30°	586.9	5.7
30°-40°	1029.8	10.0
40°-50°	1723.7	16.7
50°-60°	2533.7	24.6
60°-70°	2601.4	25.3
70°-80°	1284.3	12.5
80°-90°	84.9	0.8
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°	10295.0	100.0
0°-180°	10295.0	100.0

Coefficient of Utilization

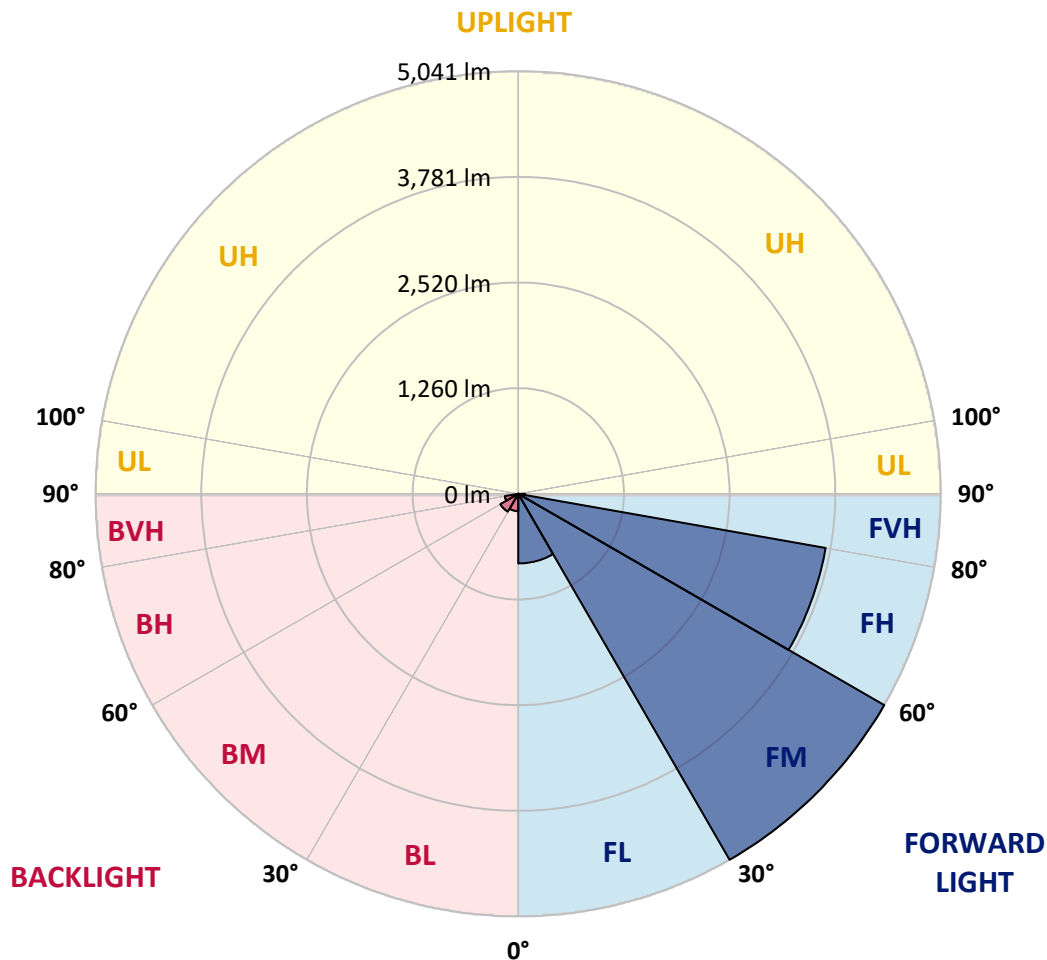


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.7	8.1			
FM (30°-60°)	5040.9	49.0			
FH (60°-80°)	3723.0	36.2			G2/5000
FVH (80°-90°)	82.9	0.8			G1/100
BL (0°-30°)	206.5	2.0	B1/500		
BM (30°-60°)	246.2	2.4	B1/1000		
BH (60°-80°)	162.7	1.6	B1/500		G1/500
BVH (80°-90°)	2.1	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6
2.5°	1378.9	1373.1	1370.6	1359.9	1341.3	1327.1	1299.7	1267.9	1262.1	1231.3	1193.6
5°	1557.9	1553.0	1549.6	1534.4	1515.4	1479.7	1429.8	1370.6	1359.4	1300.7	1225.4
7.5°	1682.6	1691.4	1691.4	1681.6	1657.7	1630.8	1569.6	1489.0	1474.8	1384.8	1267.9
10°	1755.5	1766.2	1774.5	1782.8	1779.4	1768.7	1711.0	1620.0	1602.9	1483.6	1317.3
12.5°	1762.3	1773.1	1796.5	1831.2	1865.0	1889.4	1853.2	1765.2	1745.7	1598.0	1376.0
15°	1724.2	1735.4	1771.6	1839.1	1920.7	1992.1	2003.9	1926.1	1906.1	1734.4	1449.3
17.5°	1657.7	1665.0	1716.8	1810.2	1938.3	2069.4	2140.3	2098.7	2080.1	1890.4	1531.0
20°	1608.3	1613.6	1659.1	1759.4	1927.6	2117.8	2269.4	2282.1	2262.5	2057.6	1619.5
22.5°	1692.9	1702.6	1704.1	1751.5	1898.2	2141.7	2382.8	2462.5	2447.9	2235.1	1706.6
25°	1924.1	1935.4	1898.2	1868.9	1923.2	2152.5	2480.1	2647.4	2635.6	2426.3	1794.1
27.5°	2229.8	2241.5	2193.6	2106.1	2053.7	2193.1	2566.7	2835.1	2834.6	2628.8	1888.5
30°	2530.0	2541.7	2492.8	2405.3	2285.0	2308.0	2641.5	3031.7	3034.6	2837.6	1988.7
32.5°	2844.9	2859.6	2809.2	2696.7	2571.1	2506.5	2746.6	3229.2	3245.9	3079.6	2101.7
35°	3202.8	3204.8	3133.9	3016.0	2871.3	2772.0	2915.3	3450.8	3490.4	3379.4	2244.9
37.5°	3553.9	3568.1	3509.9	3324.1	3191.1	3078.6	3166.2	3727.5	3783.8	3745.6	2432.2
40°	3814.1	3843.9	3835.6	3635.1	3508.9	3428.8	3477.6	4056.6	4128.0	4172.0	2668.4
42.5°	3977.4	3999.9	4038.0	3917.2	3802.8	3816.0	3845.4	4440.0	4528.0	4658.1	2939.8
45°	4164.7	4175.4	4207.2	4153.9	4076.7	4209.7	4235.6	4871.7	4964.2	5180.8	3241.0
47.5°	4393.5	4418.9	4427.7	4378.8	4343.6	4557.8	4611.6	5264.4	5394.0	5740.7	3559.8
50°	4684.9	4691.8	4707.0	4675.2	4640.0	4857.1	4949.0	5676.6	5794.5	6302.5	3874.2
52.5°	4970.0	4994.5	5047.3	5027.2	5013.1	5111.8	5249.7	6048.2	6179.8	6771.0	4188.1
55°	5052.2	5073.2	5255.6	5380.3	5495.7	5425.8	5537.2	6381.2	6523.5	7189.5	4490.3
57.5°	4724.1	4766.6	5082.5	5407.2	5885.9	5913.8	5932.3	6723.0	6850.7	7510.3	4804.8
60°	3894.8	3903.1	4421.4	4978.3	5821.3	6339.7	6509.3	7090.3	7197.3	7809.1	5181.3
62.5°	2477.2	2561.8	3130.5	3916.8	5138.7	6278.1	7207.1	7645.7	7684.9	8167.5	5721.1
65°	1179.9	1234.7	1644.5	2420.0	3722.1	5489.3	7688.8	8650.6	8668.2	8878.0	6442.4
67.5°	653.3	679.7	874.8	1302.7	2176.0	3882.0	7494.2	9840.8	9857.4	9603.6	7075.1
69°	511.0	533.5	687.0	981.9	1475.3	2790.1	6781.7	10189.4	10238.8	9811.5	7097.6
70°	433.7	455.7	591.7	829.3	1186.3	2155.9	6036.5	10102.9	10155.2	9791.9	6929.9
72.5°	265.5	278.2	394.1	583.8	795.1	1084.6	3722.6	8544.0	8632.5	8982.1	5955.8
75°	179.0	185.8	246.4	402.9	568.7	558.4	1933.9	6022.3	6214.0	6987.1	4398.9
77.5°	128.1	134.5	165.3	260.6	398.5	368.7	875.8	3742.7	3783.8	4190.6	2399.0
80°	72.9	78.7	116.9	155.0	270.4	246.0	348.2	1787.7	1808.3	1797.0	801.0
82.5°	38.1	43.0	64.1	102.2	173.6	160.9	144.7	598.5	601.4	500.2	175.5
85°	7.3	8.8	31.8	69.9	89.5	69.9	59.2	140.3	143.3	126.6	43.5
87.5°	0.0	0.5	12.7	15.6	17.6	18.1	19.1	27.4	29.3	39.6	11.7
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°	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6	1171.6
2.5°	1177.0	1159.4	1125.6	1086.5	1056.2	1026.4	1002.9	978.5	969.7	965.3	964.8
5°	1188.7	1151.6	1080.2	1006.8	946.7	889.9	849.4	810.7	792.6	784.3	780.9
7.5°	1208.3	1148.6	1033.7	921.7	835.2	764.3	708.0	666.0	645.0	636.2	632.7
10°	1231.3	1144.7	979.4	831.8	721.3	647.9	592.2	550.6	527.6	517.8	512.9
12.5°	1258.2	1137.9	916.8	740.8	623.9	550.6	483.1	431.8	405.4	394.1	388.7
15°	1291.4	1131.0	851.3	655.2	538.4	448.9	375.1	340.3	335.0	333.0	333.5
17.5°	1324.2	1120.3	779.9	570.6	448.4	350.6	312.9	311.0	312.0	312.0	312.0
20°	1353.5	1095.8	702.2	498.3	362.8	295.8	288.0	284.6	282.1	280.2	277.7
22.5°	1376.5	1063.0	627.4	426.4	296.3	270.9	258.7	247.9	239.1	233.2	230.3
25°	1392.1	1019.5	558.9	357.4	266.5	246.4	224.4	206.4	192.7	184.3	180.9
27.5°	1403.9	972.6	497.8	299.3	246.0	218.1	189.2	167.7	153.5	146.2	143.3
30°	1412.2	919.3	444.0	263.1	223.0	188.3	157.5	136.4	126.2	122.2	120.3
32.5°	1420.0	860.1	393.1	246.0	201.5	160.9	132.0	115.9	109.5	104.6	103.2
35°	1439.6	805.4	344.7	227.9	179.5	137.4	113.4	101.7	95.4	92.4	91.4
37.5°	1486.0	764.8	298.3	209.3	157.5	118.8	99.3	91.0	85.1	82.1	81.2
40°	1560.8	744.2	259.2	189.2	135.9	104.6	90.0	82.1	75.8	71.4	70.4
42.5°	1670.9	747.2	231.8	169.2	118.8	93.4	81.2	71.9	65.0	61.1	60.1
45°	1804.3	768.7	212.7	149.6	104.6	84.6	71.4	61.6	55.3	51.8	50.9
47.5°	1949.1	803.4	197.1	132.0	93.4	76.3	61.6	51.3	46.0	43.0	42.5
50°	2101.7	837.1	180.9	114.9	83.6	68.0	51.8	42.5	38.1	35.7	34.7
52.5°	2256.2	876.3	166.3	99.3	75.3	58.2	43.0	34.7	31.3	29.3	28.4
55°	2422.4	905.6	152.1	87.0	67.0	49.4	35.7	28.9	25.9	23.5	23.0
57.5°	2618.0	951.1	137.4	75.3	57.2	41.1	29.3	23.0	20.5	18.1	17.6
60°	2882.1	1004.4	121.8	66.5	46.9	33.7	24.0	18.6	15.6	13.7	13.2
62.5°	3230.2	1063.5	102.2	58.2	38.1	27.4	19.1	14.7	11.2	8.8	8.8
65°	3671.8	1159.9	83.6	48.9	31.3	22.5	14.7	10.8	6.4	3.9	3.9
67.5°	3929.5	1176.5	67.5	40.1	25.4	19.1	12.2	7.3	2.0	0.5	0.0
69°	3846.8	1080.2	57.2	34.2	22.0	18.1	11.2	5.4	1.0	0.0	0.0
70°	3691.3	987.7	50.4	30.3	20.0	17.1	10.8	3.9	1.0	0.0	0.0
72.5°	3050.3	703.2	38.1	22.5	14.7	15.2	9.8	2.4	1.0	0.0	0.0
75°	2221.9	427.4	27.4	15.6	9.3	11.2	6.8	1.0	0.5	0.0	0.0
77.5°	1236.1	201.5	17.1	8.8	5.9	6.8	3.4	0.0	0.0	0.0	0.0
80°	401.5	54.8	7.8	4.9	3.4	3.9	1.5	0.0	0.0	0.0	0.0
82.5°	74.3	15.6	4.4	2.4	1.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	16.1	6.4	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	2.0	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)