

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: P268617

Luminaire Tested: **GAN-AF-06-LED-U-T2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P268617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-T2-7027
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30353.3 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G4

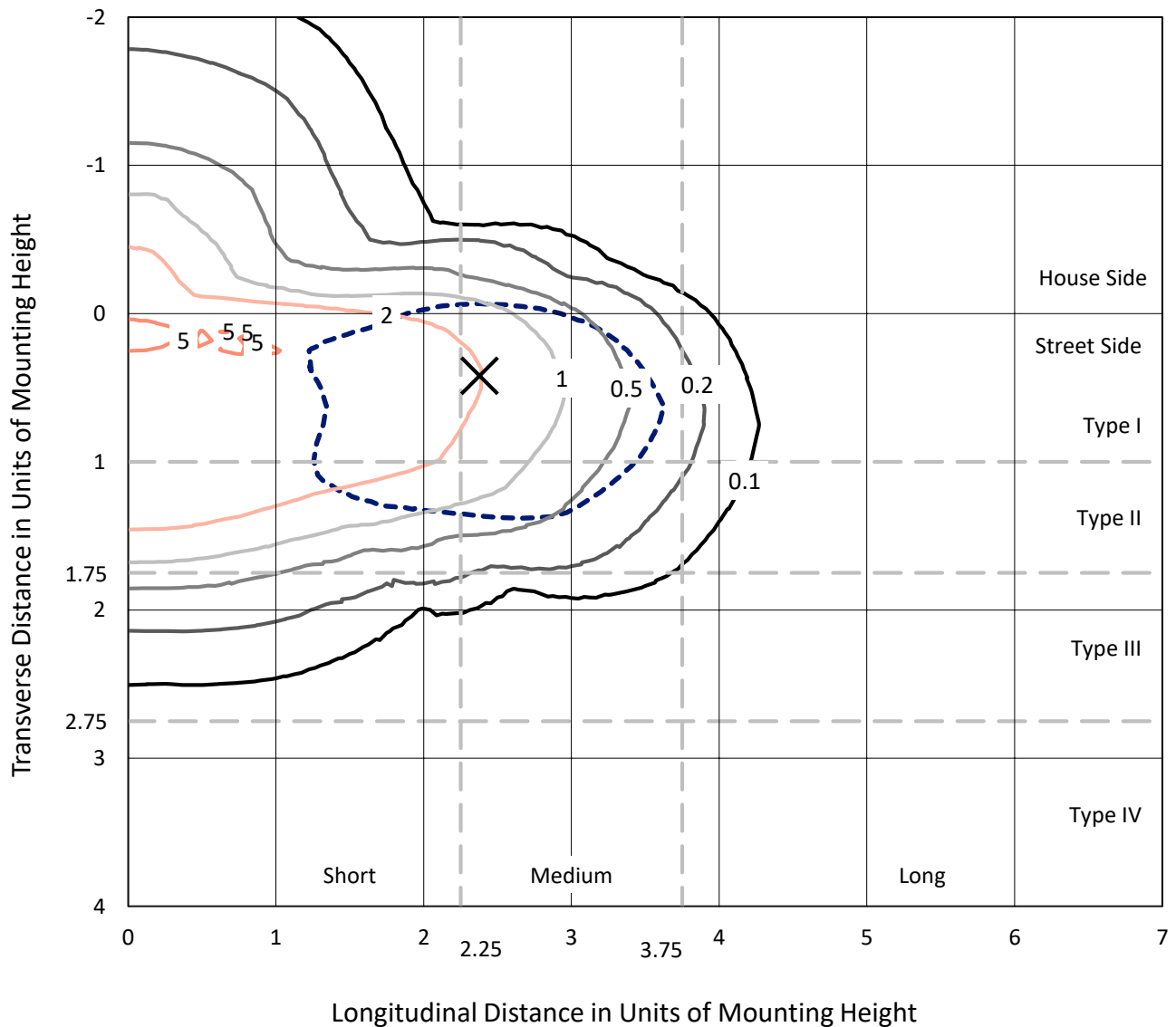
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

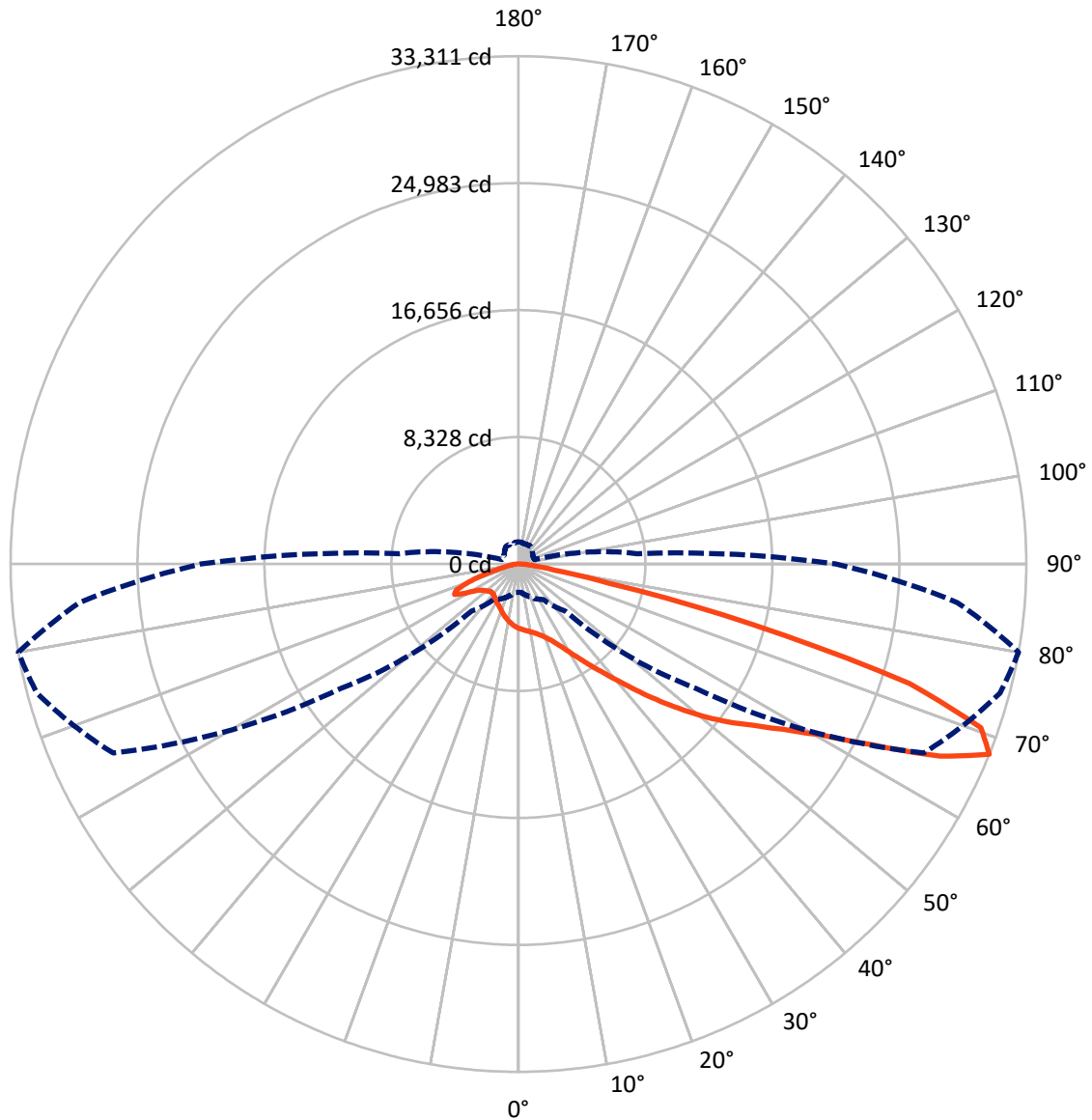


Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5589.9	0.0	5589.9
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	24763.4	0.0	24763.4
	% Fixture	81.6	0.0	81.6
Total	Lumens	30353.3	0.0	30353.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.0	1.3
10°-20°	1120.6	3.7
20°-30°	1854.8	6.1
30°-40°	3034.0	10.0
40°-50°	4898.7	16.1
50°-60°	7072.3	23.3
60°-70°	7804.7	25.7
70°-80°	3597.5	11.9
80°-90°	581.9	1.9
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°	30353.3	100.0
0°-180°	30353.3	100.0



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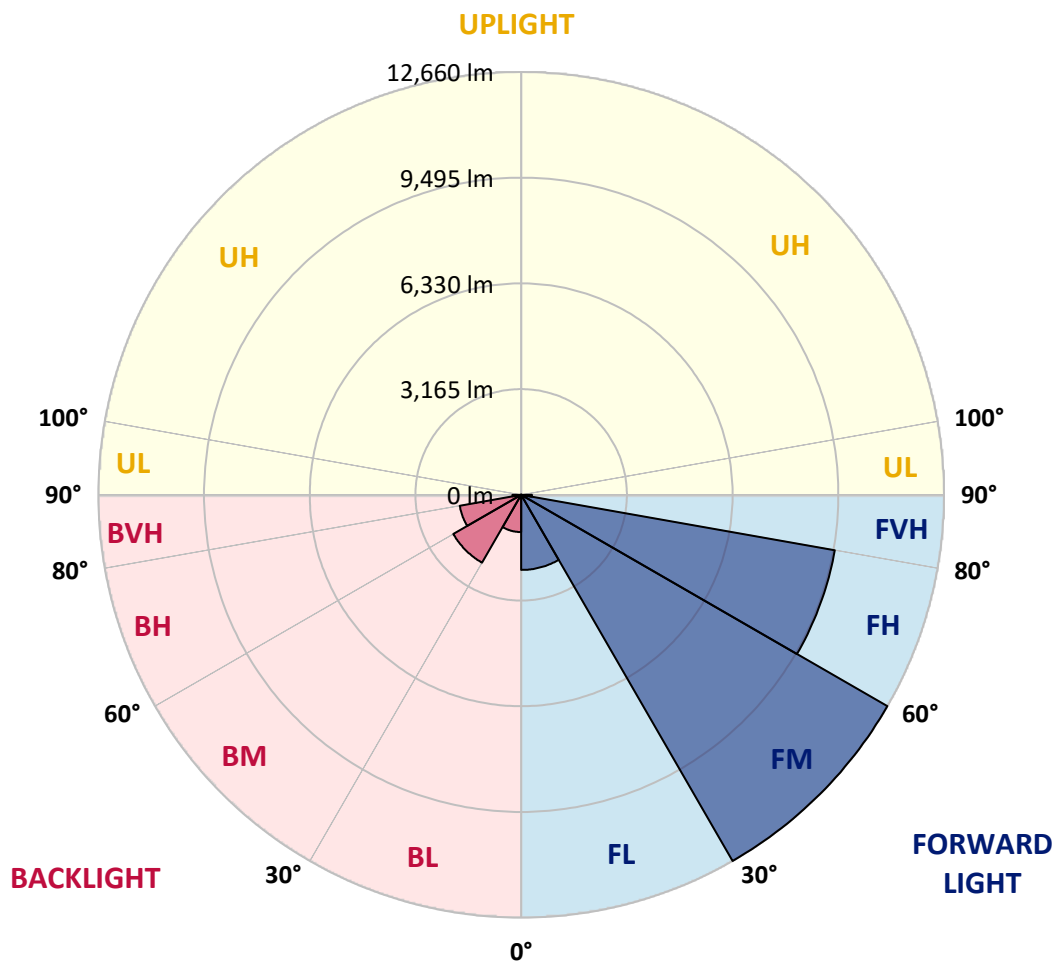
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2249.1	7.4			
FM (30°-60°)	12659.6	41.7			
FH (60°-80°)	9534.8	31.4			G4/12000
FVH (80°-90°)	319.9	1.1			G3/500
BL (0°-30°)	1115.3	3.7	B3/2500		
BM (30°-60°)	2345.3	7.7	B2/2500		
BH (60°-80°)	1867.4	6.2	B3/2500		G3/2500
BVH (80°-90°)	262.0	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0
2.5°	4612.9	4586.0	4590.5	4583.1	4560.6	4521.8	4479.9	4403.8	4324.5	4282.7	4249.8
5°	4998.4	4991.1	4980.6	4956.7	4899.9	4819.1	4719.1	4584.6	4439.7	4363.3	4290.1
7.5°	5286.9	5282.5	5269.0	5253.9	5198.8	5101.6	4950.6	4759.4	4548.7	4444.1	4330.5
10°	5310.8	5318.2	5328.7	5369.1	5376.5	5324.3	5170.4	4938.7	4662.3	4527.7	4382.8
12.5°	5107.6	5124.0	5164.4	5267.4	5376.5	5440.9	5361.7	5126.9	4795.2	4632.4	4448.5
15°	4838.6	4847.6	4896.9	5038.9	5234.6	5433.3	5508.0	5334.8	4967.1	4766.9	4547.2
17.5°	4723.6	4728.0	4762.4	4856.5	5038.9	5322.7	5590.2	5560.4	5177.8	4934.2	4668.2
20°	4665.3	4675.7	4725.1	4817.7	4932.8	5180.7	5602.2	5803.9	5428.8	5143.4	4820.7
22.5°	4831.2	4826.7	4844.6	4890.9	4988.0	5137.4	5593.2	6054.9	5748.7	5412.4	5019.4
25°	5218.2	5234.6	5203.3	5150.9	5182.3	5286.9	5641.0	6326.9	6149.1	5757.5	5279.3
27.5°	5769.5	5753.1	5706.8	5584.3	5519.9	5564.8	5799.5	6619.8	6646.6	6211.9	5623.1
30°	6319.4	6306.0	6261.1	6111.8	5980.2	5942.8	6107.2	6956.0	7240.0	6757.3	6044.4
32.5°	6890.3	6875.4	6833.4	6684.1	6525.6	6439.1	6545.1	7344.5	7939.3	7408.9	6540.6
35°	7594.1	7565.7	7477.5	7269.9	7114.4	7047.3	7096.5	7833.2	8746.2	8179.8	7142.9
37.5°	8256.1	8299.4	8209.8	7922.8	7721.1	7697.1	7752.6	8429.4	9615.8	9042.1	7834.7
40°	8921.1	8928.6	8847.9	8613.2	8405.5	8366.6	8505.6	9152.7	10642.5	10073.1	8676.0
42.5°	9608.5	9623.5	9487.4	9270.7	9118.3	9125.8	9284.2	9999.9	11820.0	11288.0	9644.4
45°	10422.9	10445.2	10295.8	10011.9	9872.9	10152.4	10086.6	10950.2	13111.1	12668.7	10756.0
47.5°	11274.5	11308.9	11195.3	10929.4	10756.0	11140.2	10889.1	12003.8	14500.8	14149.7	11976.9
50°	11739.3	11788.6	11899.2	11879.7	11842.4	11778.1	11784.1	13133.5	15933.9	15691.9	13232.2
52.5°	11489.9	11488.3	11891.8	12381.9	12905.0	12943.8	12875.0	14324.6	17272.8	17199.6	14414.2
55°	10348.1	10425.8	11037.0	11985.8	13414.5	14306.5	14509.9	15688.8	18587.8	18673.0	15614.1
57.5°	8447.3	8511.6	9336.4	10659.0	12727.0	15116.5	16835.0	17671.7	20058.2	20455.7	17211.5
60°	5729.2	5807.0	6681.1	8269.5	10877.0	14665.2	19048.0	21210.3	21818.6	22722.5	19452.9
62.5°	3366.7	3436.9	4149.7	5216.6	7658.4	12568.6	20019.4	26244.6	24614.4	26143.1	22871.9
65°	2317.6	2365.4	2712.3	3247.2	4400.7	8465.3	18814.9	29720.5	28916.5	30380.9	26836.3
67.5°	1864.9	1859.0	2133.8	2498.5	2833.3	4364.9	14227.4	29327.4	32700.1	33311.3	28894.1
70°	1536.1	1530.2	1717.0	2018.9	2263.9	2458.1	7749.5	24748.8	31929.0	32177.1	26999.3
72.5°	1285.1	1291.0	1410.6	1634.7	1857.4	1851.4	3405.6	17410.3	25118.0	26833.5	21522.6
75°	1084.9	1087.8	1167.1	1325.4	1507.7	1491.4	1846.9	9432.2	14601.0	15794.9	11930.6
77.5°	923.5	926.5	977.3	1065.4	1195.5	1189.4	1347.8	4075.0	6090.8	6016.0	4081.0
80°	823.3	823.3	847.3	863.7	935.5	908.5	999.8	1957.5	2574.7	2377.5	1628.7
82.5°	645.5	648.5	795.0	789.0	736.7	702.4	702.4	1153.7	1364.3	1261.2	953.5
85°	363.2	361.6	512.6	618.7	648.5	494.6	490.1	645.5	742.7	654.5	461.8
87.5°	155.3	158.5	237.6	274.9	367.5	307.8	303.4	333.2	378.0	327.3	213.6
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°	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0	4217.0
2.5°	4218.4	4179.6	4094.5	3988.4	3892.6	3830.0	3773.2	3691.0	3695.4	3638.7	3596.9
5°	4215.4	4134.8	3937.5	3703.0	3477.2	3314.3	3191.9	3081.2	3054.3	3002.0	2970.7
7.5°	4218.4	4087.0	3755.3	3380.1	3100.7	2894.5	2789.9	2731.6	2718.1	2700.2	2701.7
10°	4229.0	4043.6	3555.0	3078.3	2785.5	2649.5	2623.9	2641.9	2662.8	2668.9	2670.3
12.5°	4252.8	4004.7	3335.2	2809.3	2588.1	2546.3	2589.6	2650.9	2691.2	2710.6	2709.2
15°	4306.7	3974.9	3124.7	2598.5	2479.1	2501.5	2582.2	2668.9	2727.2	2754.1	2755.6
17.5°	4364.9	3931.5	2908.0	2437.2	2398.4	2455.2	2555.3	2656.8	2728.6	2758.5	2764.4
20°	4441.1	3877.8	2680.8	2316.2	2322.2	2386.3	2480.6	2582.2	2661.4	2686.8	2698.8
22.5°	4541.2	3819.5	2482.0	2217.6	2235.5	2284.7	2358.1	2446.2	2515.0	2526.9	2537.4
25°	4675.7	3756.7	2323.6	2127.9	2135.5	2163.7	2213.1	2265.3	2313.1	2299.8	2310.3
27.5°	4856.5	3703.0	2205.6	2045.7	2032.2	2038.3	2063.6	2080.0	2105.4	2068.2	2072.6
30°	5068.7	3644.7	2114.5	1973.9	1936.7	1926.1	1932.2	1941.1	1960.6	1909.7	1902.3
32.5°	5315.4	3574.4	2029.4	1911.2	1859.0	1838.0	1840.9	1864.9	1939.6	1908.2	1891.8
35°	5602.2	3495.1	1939.6	1842.6	1806.6	1776.8	1773.8	1848.4	2071.1	2051.6	2036.7
37.5°	5938.4	3416.1	1850.0	1764.8	1767.8	1734.8	1724.4	1809.6	2096.6	2020.3	2009.9
40°	6365.7	3374.2	1773.8	1682.5	1720.0	1715.5	1694.6	1738.0	1929.2	1790.2	1772.3
42.5°	6894.9	3380.1	1717.0	1594.4	1663.2	1711.0	1678.2	1679.7	1748.3	1643.8	1627.3
45°	7547.7	3450.4	1676.6	1524.2	1599.0	1706.5	1672.1	1648.2	1654.1	1599.0	1589.9
47.5°	8310.0	3595.3	1648.2	1465.9	1537.7	1690.2	1670.7	1639.2	1625.8	1595.8	1588.5
50°	9157.1	3805.9	1627.3	1410.6	1482.4	1663.2	1672.1	1630.3	1615.3	1603.5	1599.0
52.5°	9989.5	4046.7	1595.8	1362.8	1439.1	1630.3	1676.6	1621.4	1604.9	1595.8	1591.4
55°	10917.6	4347.0	1548.0	1322.5	1403.2	1588.5	1676.6	1607.8	1589.9	1591.4	1589.9
57.5°	12171.1	4832.6	1491.4	1288.1	1359.9	1537.7	1648.2	1593.0	1570.5	1572.0	1573.6
60°	14130.2	5688.8	1422.6	1253.8	1306.0	1477.9	1609.4	1560.0	1537.7	1543.6	1545.2
62.5°	17011.3	6945.5	1332.9	1202.9	1249.3	1413.7	1555.5	1518.2	1495.8	1510.8	1510.8
65°	20006.0	8054.4	1222.4	1138.7	1189.4	1343.3	1488.3	1465.9	1443.4	1477.9	1476.4
67.5°	20811.4	7806.4	1111.7	1068.4	1129.7	1265.7	1407.6	1395.6	1383.7	1443.4	1440.5
70°	18487.7	6267.1	1010.1	996.7	1064.0	1182.0	1321.0	1321.0	1313.5	1358.3	1347.8
72.5°	14085.5	4444.1	913.0	920.6	989.3	1090.8	1226.8	1237.2	1225.4	1247.7	1238.9
75°	7540.4	2543.3	815.9	836.9	896.6	998.1	1122.3	1132.8	1125.1	1123.7	1128.2
77.5°	2505.9	1243.3	714.3	747.2	799.4	902.5	1013.2	1029.5	1011.6	1008.6	1007.2
80°	1116.2	781.5	602.3	645.5	691.9	793.6	898.0	911.5	892.0	919.0	884.7
82.5°	717.2	514.0	482.7	530.4	575.4	684.4	783.1	785.9	768.1	892.0	760.7
85°	348.2	318.3	363.2	406.5	445.3	537.9	648.5	650.1	605.2	551.4	531.9
87.5°	173.4	185.3	242.1	280.9	300.4	369.2	472.1	463.3	443.9	403.5	372.1
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)