

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: P322517

Luminaire Tested: **GAN-SA3B-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11283 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

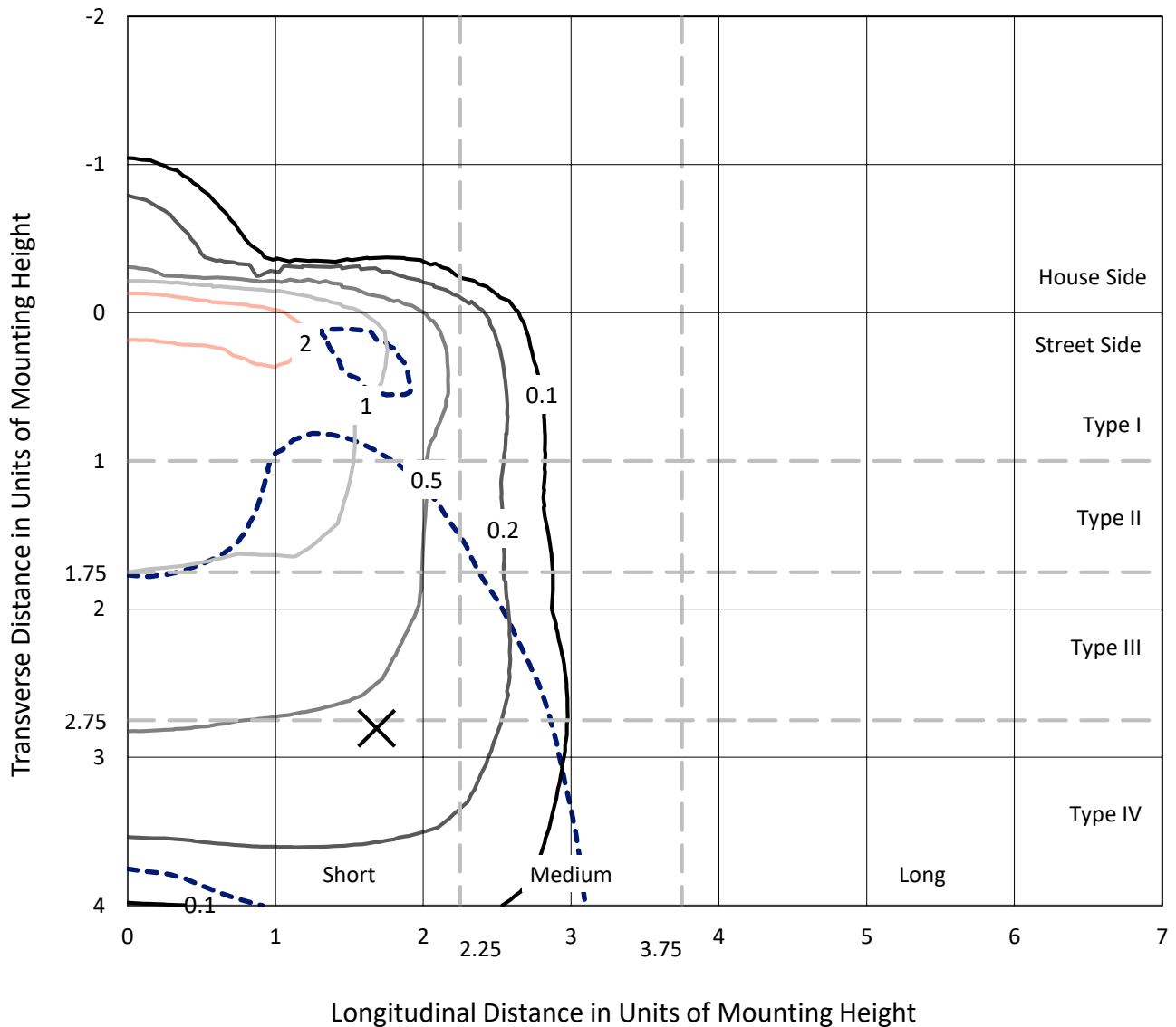
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

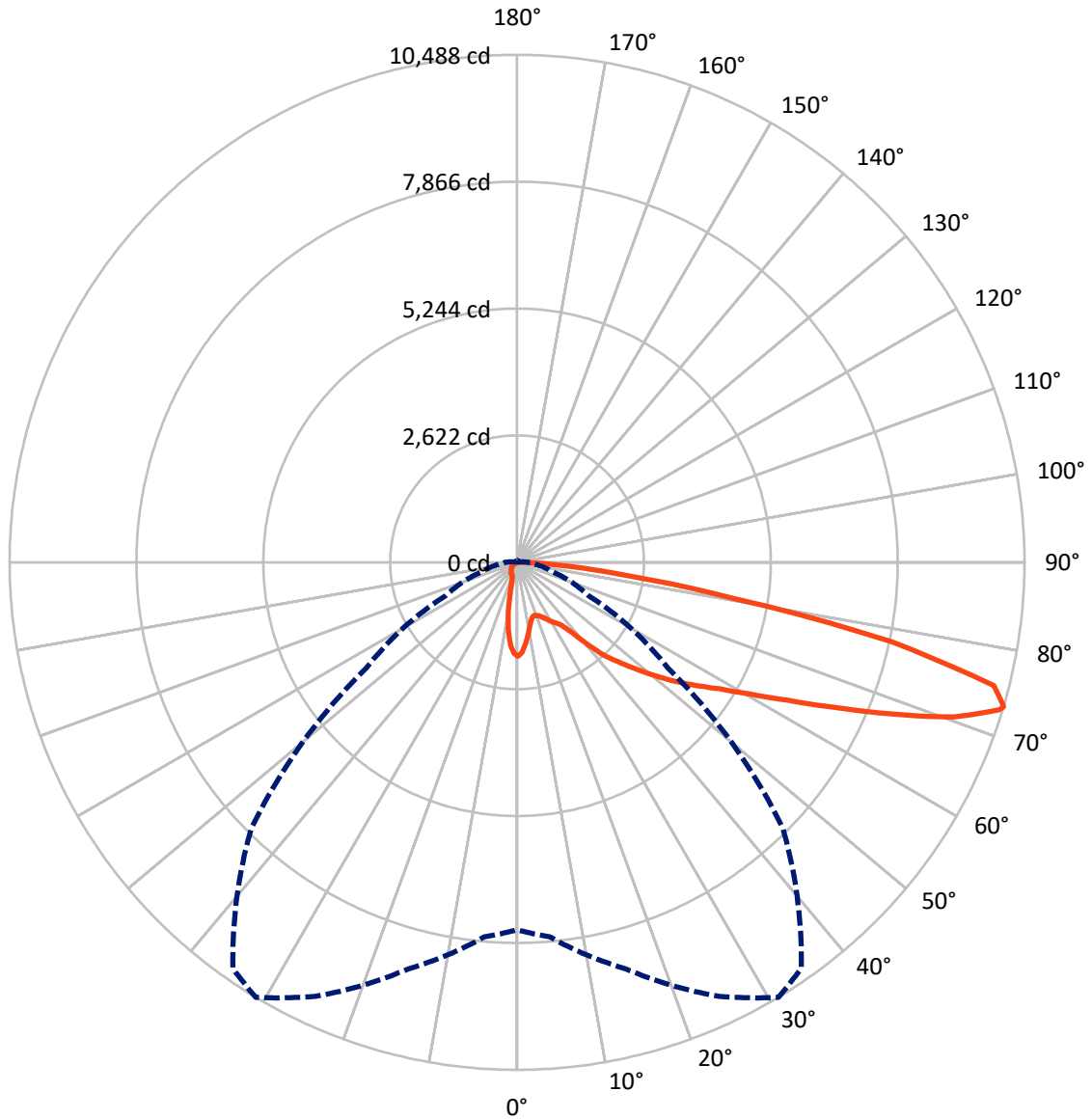
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.5	0.0	1028.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	10254.5	0.0	10254.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	11283.0	0.0	11283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	1.4
10°-20°	349.5	3.1
20°-30°	523.6	4.6
30°-40°	833.1	7.4
40°-50°	1487.7	13.2
50°-60°	2308.5	20.5
60°-70°	3068.8	27.2
70°-80°	2308.3	20.5
80°-90°	242.6	2.1
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°	11283.0	100.0
0°-180°	11283.0	100.0

Coefficient of Utilization

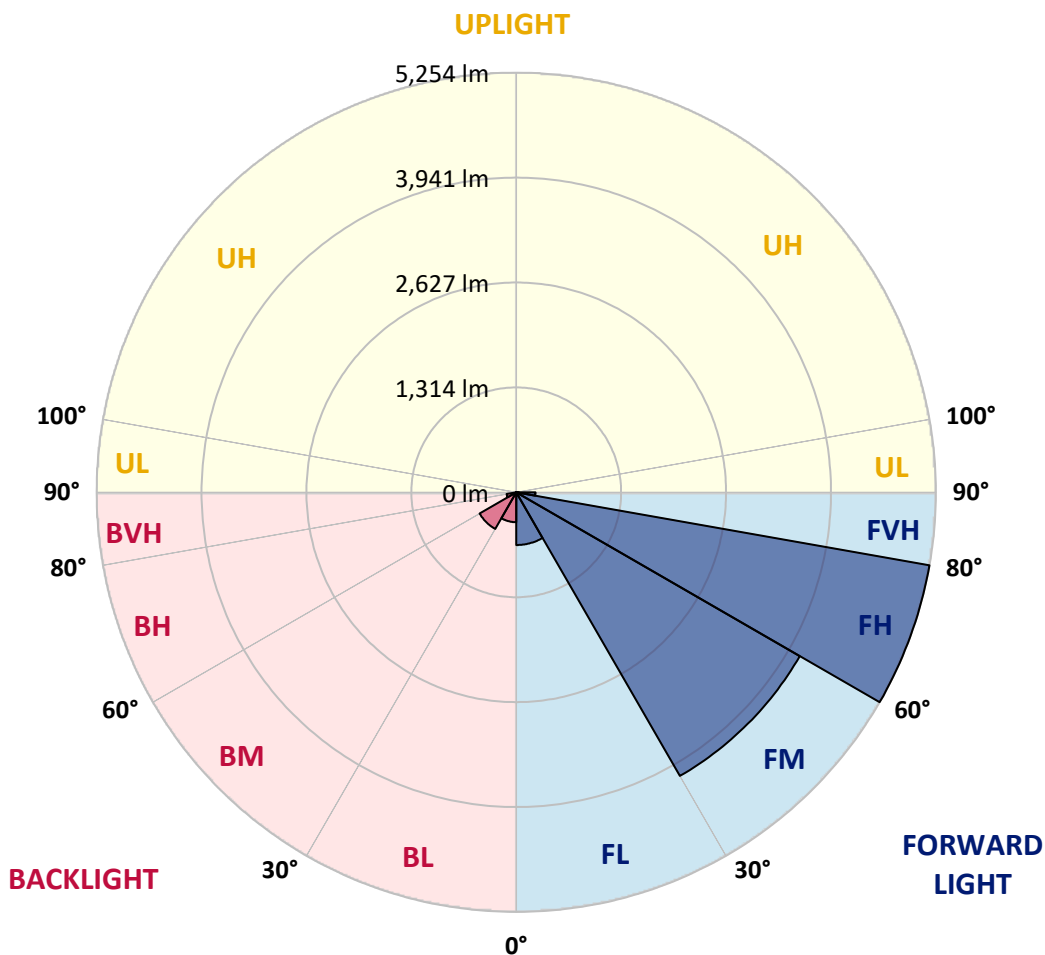


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.1	5.9			
FM (30°-60°)	4099.9	36.3			
FH (60°-80°)	5254.1	46.6			G3/7500
FVH (80°-90°)	240.5	2.1			G3/500
BL (0°-30°)	374.0	3.3	B1/500		
BM (30°-60°)	529.4	4.7	B1/1000		
BH (60°-80°)	123.0	1.1	B1/500		G1/500
BVH (80°-90°)	2.0	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3
2.5°	1839.7	1847.4	1855.7	1857.3	1871.1	1871.7	1891.6	1906.5	1921.4	1935.7	1940.7
5°	1650.8	1663.5	1678.5	1693.4	1722.6	1734.2	1782.8	1832.5	1880.0	1925.3	1947.3
7.5°	1449.3	1463.7	1484.7	1521.7	1554.2	1576.9	1653.6	1741.9	1830.3	1913.7	1961.7
10°	1265.5	1278.7	1300.8	1340.0	1390.2	1421.2	1524.4	1647.0	1776.7	1903.2	1983.2
12.5°	1148.4	1155.6	1167.7	1209.7	1255.0	1289.8	1411.2	1563.1	1732.6	1902.6	2018.0
15°	1126.9	1129.1	1119.2	1137.9	1173.3	1206.9	1330.1	1495.1	1698.9	1911.4	2063.3
17.5°	1161.1	1160.0	1126.9	1124.7	1152.8	1180.4	1290.3	1448.2	1675.1	1931.9	2121.8
20°	1213.0	1209.1	1151.7	1141.2	1171.1	1197.0	1287.6	1430.5	1666.3	1966.1	2193.0
22.5°	1282.0	1275.4	1185.4	1174.4	1206.4	1233.4	1321.8	1447.7	1674.0	2011.9	2275.8
25°	1367.6	1357.7	1243.4	1231.2	1263.8	1290.9	1383.1	1496.8	1697.2	2067.7	2380.8
27.5°	1464.2	1449.9	1336.1	1304.7	1341.7	1369.8	1464.8	1571.9	1733.7	2126.8	2509.4
30°	1555.3	1536.6	1433.9	1382.0	1427.2	1458.7	1553.1	1661.3	1792.2	2217.9	2685.5
32.5°	1647.0	1626.0	1521.1	1459.3	1500.1	1534.3	1644.2	1784.5	1902.1	2357.0	2919.6
35°	1857.9	1835.8	1707.2	1605.0	1604.5	1623.8	1771.8	1952.9	2047.3	2550.8	3199.0
37.5°	2212.9	2200.2	2077.6	1883.8	1831.9	1810.4	1945.7	2153.8	2256.0	2817.5	3514.3
40°	2601.6	2590.6	2453.1	2277.5	2198.6	2145.5	2195.2	2433.8	2550.8	3143.2	3836.1
42.5°	3040.5	2988.1	2742.9	2690.5	2619.8	2579.5	2534.8	2778.8	2913.0	3497.7	4155.3
45°	3439.2	3350.8	3032.8	2953.3	2937.3	2947.2	2972.1	3242.6	3320.5	3919.0	4473.3
47.5°	3676.6	3607.0	3363.0	3286.8	3282.4	3348.1	3535.8	3766.6	3726.3	4286.1	4753.2
50°	3902.4	3839.5	3636.8	3655.6	3676.0	3765.5	4175.7	4305.5	4096.8	4619.1	5010.0
52.5°	4085.2	3989.1	3883.1	3988.5	4089.0	4233.1	4836.0	4789.1	4359.6	4884.1	5229.7
55°	4190.6	4147.0	4198.3	4304.3	4493.2	4727.3	5459.4	5191.6	4551.7	5125.9	5376.0
57.5°	4577.1	4491.5	4593.7	4685.3	4931.6	5259.0	5993.3	5491.4	4690.3	5275.5	5409.7
60°	5044.7	4975.7	5035.9	5188.3	5520.7	5905.5	6492.4	5736.0	4762.6	5371.6	5322.5
62.5°	5789.0	5697.9	5660.4	5831.0	6271.6	6691.7	6871.2	5905.5	4746.6	5329.1	5023.2
65°	6786.1	6691.7	6523.9	6678.5	7238.9	7535.4	7294.6	5941.4	4636.2	4985.1	4266.8
67.5°	7807.6	7739.1	7595.6	7856.2	8361.9	8457.4	7742.4	5854.2	4280.6	4042.1	3014.6
70°	8482.3	8453.0	8546.3	9122.7	9573.8	9546.2	8153.2	5385.4	3336.5	2485.7	1491.3
72.5°	7995.8	8136.1	8825.1	9870.3	10421.3	10196.0	7942.3	4135.4	1907.0	956.3	431.2
73°	7592.8	7772.2	8699.8	9898.5	10488.1	10241.3	7765.1	3795.8	1625.4	754.8	326.9
75°	5282.2	5502.5	7202.4	9218.8	10175.6	9757.7	6472.5	2323.3	753.1	334.6	132.0
77.5°	2564.6	2727.5	3965.9	6660.8	7913.6	7623.7	4029.4	865.7	340.1	209.3	60.7
80°	957.4	1064.5	1721.5	3390.0	4573.2	4693.0	1772.3	327.4	226.4	168.4	30.9
82.5°	250.7	279.4	634.9	1511.7	2343.8	2453.1	558.7	165.1	165.6	138.6	18.8
85°	80.1	91.7	198.2	678.6	1104.2	969.5	145.8	80.1	120.4	103.2	10.5
87.5°	9.9	12.7	62.9	159.6	243.5	135.3	22.6	23.7	51.3	57.4	6.1
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°	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3	1941.3
2.5°	1945.7	1942.9	1943.5	1929.1	1919.7	1901.0	1881.6	1872.8	1863.4	1859.5	1863.4
5°	1955.6	1950.6	1936.3	1892.1	1845.2	1784.5	1727.6	1684.5	1630.4	1615.5	1631.0
7.5°	1971.1	1961.1	1919.2	1829.2	1724.8	1608.9	1478.6	1383.6	1305.8	1255.5	1273.7
10°	1993.7	1974.9	1890.5	1737.5	1550.9	1345.5	1160.6	1016.5	914.3	872.4	870.7
12.5°	2031.8	1996.5	1855.1	1618.3	1338.3	1064.5	822.1	665.9	583.0	529.5	528.4
15°	2073.8	2021.9	1810.4	1475.3	1091.0	762.5	529.5	410.8	357.2	340.1	337.9
17.5°	2125.1	2051.1	1752.4	1299.1	832.0	505.2	345.6	311.4	309.2	307.5	307.5
20°	2189.7	2085.9	1677.9	1097.6	590.2	337.3	293.7	295.9	297.0	294.8	295.4
22.5°	2264.8	2121.3	1589.0	881.2	399.2	282.1	281.0	283.8	284.9	283.8	284.3
25°	2352.0	2162.1	1480.8	654.3	288.2	267.8	270.5	274.4	277.2	277.2	277.2
27.5°	2460.3	2211.8	1350.5	456.6	249.0	252.9	260.6	267.8	271.6	272.7	272.7
30°	2601.0	2273.6	1194.2	313.1	226.4	233.0	247.4	261.2	268.3	269.4	270.0
32.5°	2778.8	2343.2	1013.1	231.3	207.0	212.0	227.5	250.7	264.5	266.7	266.7
35°	2982.6	2423.8	818.2	201.5	193.2	194.9	207.0	233.5	257.8	263.9	264.5
37.5°	3205.6	2503.3	622.2	188.3	181.6	181.6	190.5	213.1	241.8	260.6	262.8
40°	3413.8	2551.4	436.2	177.8	171.2	171.2	178.9	195.5	222.5	250.7	256.7
42.5°	3605.9	2567.9	303.7	167.8	161.2	162.9	169.5	182.8	203.2	231.3	236.9
45°	3803.6	2565.2	221.4	156.3	151.3	156.3	161.2	171.2	186.1	202.1	203.2
47.5°	3952.6	2542.0	175.6	145.2	141.9	148.5	152.9	159.6	167.8	166.7	166.7
50°	4092.3	2485.7	141.3	130.3	132.5	140.2	142.4	144.7	145.2	134.7	133.6
52.5°	4198.3	2397.9	113.2	114.3	123.1	130.9	128.6	125.3	119.8	107.1	104.9
55°	4233.7	2228.9	88.9	94.4	109.3	119.3	111.0	103.8	93.3	82.8	80.6
57.5°	4169.6	2010.8	72.3	73.4	92.2	100.5	91.1	82.8	71.2	62.4	60.7
60°	4033.8	1768.4	59.6	55.2	71.2	78.4	72.3	64.0	53.6	46.9	46.4
62.5°	3764.4	1510.1	49.1	43.1	54.1	60.2	56.3	50.2	41.4	37.0	36.4
65°	3197.9	1208.0	39.8	34.8	42.0	46.9	43.6	39.2	32.6	29.3	28.7
67.5°	2232.2	816.6	32.6	28.7	33.1	37.0	34.2	32.0	25.9	25.4	25.9
70°	1076.6	393.7	27.1	23.2	25.9	28.7	27.6	25.9	24.8	28.7	33.1
72.5°	308.6	132.0	21.5	19.3	21.0	22.6	23.7	23.2	27.1	34.8	40.3
73°	237.4	106.6	20.4	18.2	19.9	22.1	23.2	22.6	27.6	35.3	40.3
75°	101.6	51.3	15.5	14.9	16.6	19.3	20.4	20.4	27.6	35.9	38.6
77.5°	45.8	27.6	9.9	11.6	14.4	15.5	17.1	17.1	22.1	27.6	27.6
80°	25.9	14.9	7.7	8.8	10.5	10.5	10.5	9.4	9.9	11.0	12.1
82.5°	16.6	9.9	6.1	7.2	6.6	5.5	4.4	4.4	3.9	4.4	5.5
85°	9.4	5.5	5.5	4.4	2.8	2.2	2.8	2.2	0.6	0.0	0.6
87.5°	5.5	3.3	1.7	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)