

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: P527723

Luminaire Tested: **GLAN-SA2D-730-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-730-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8461 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

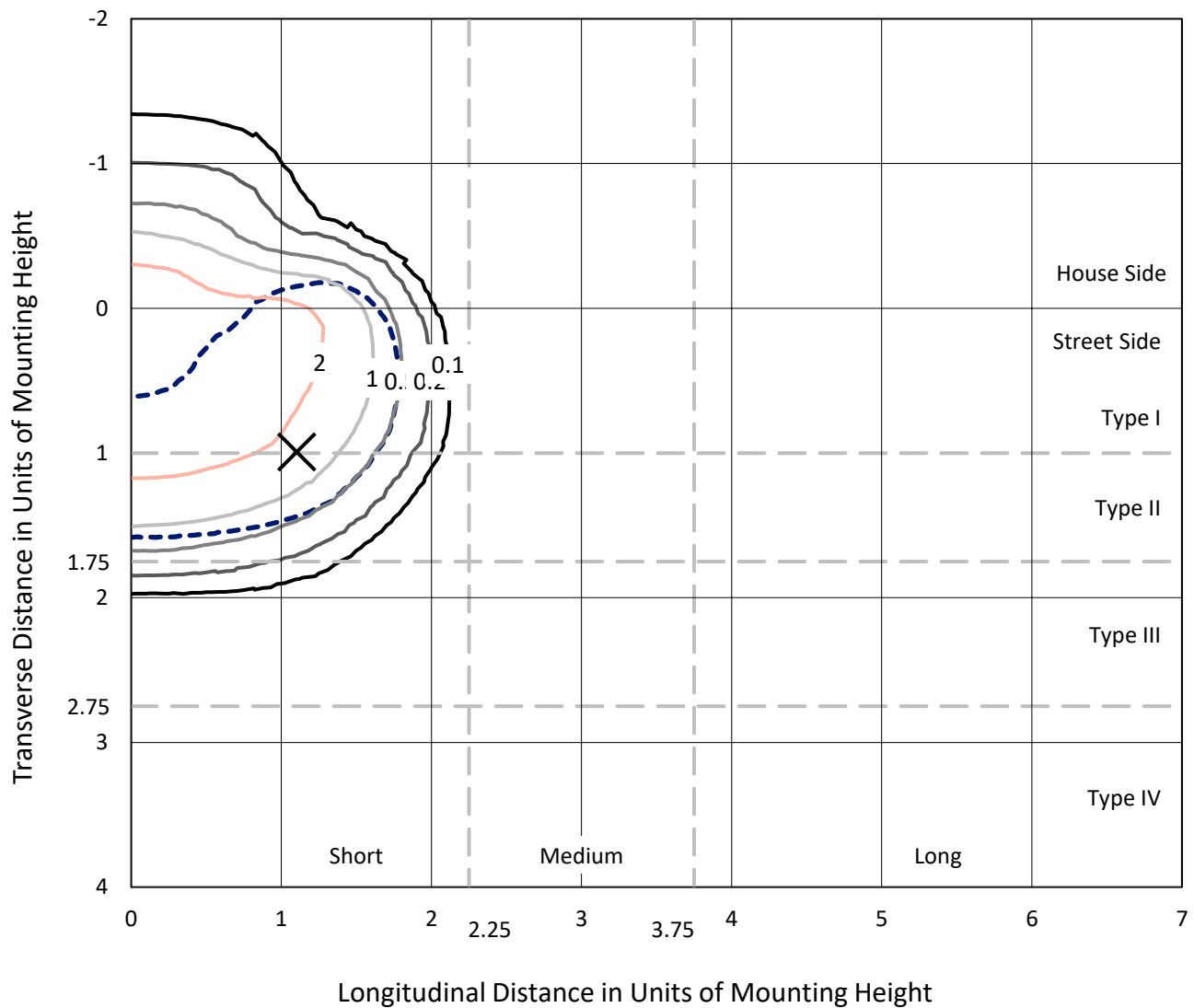
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

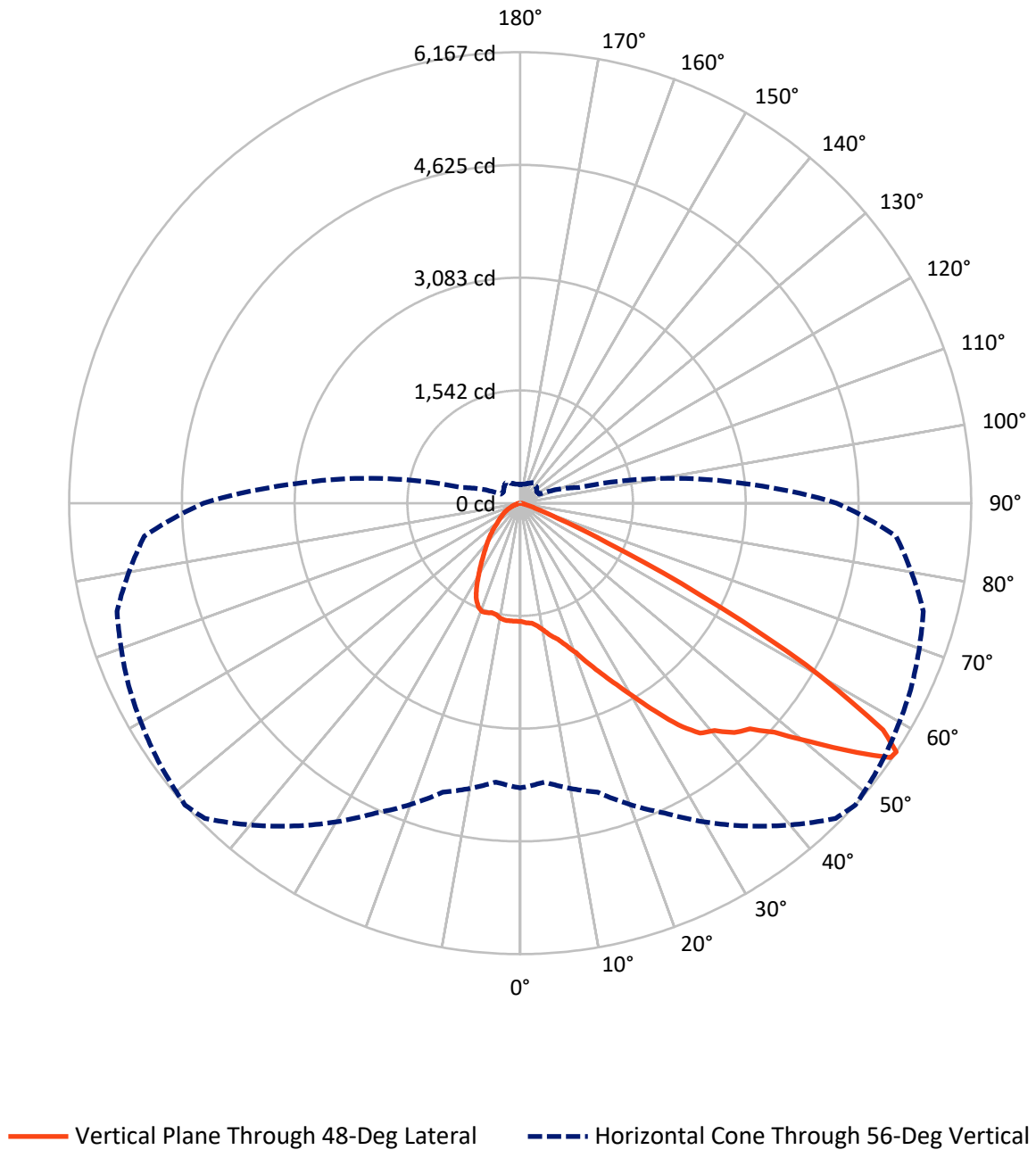
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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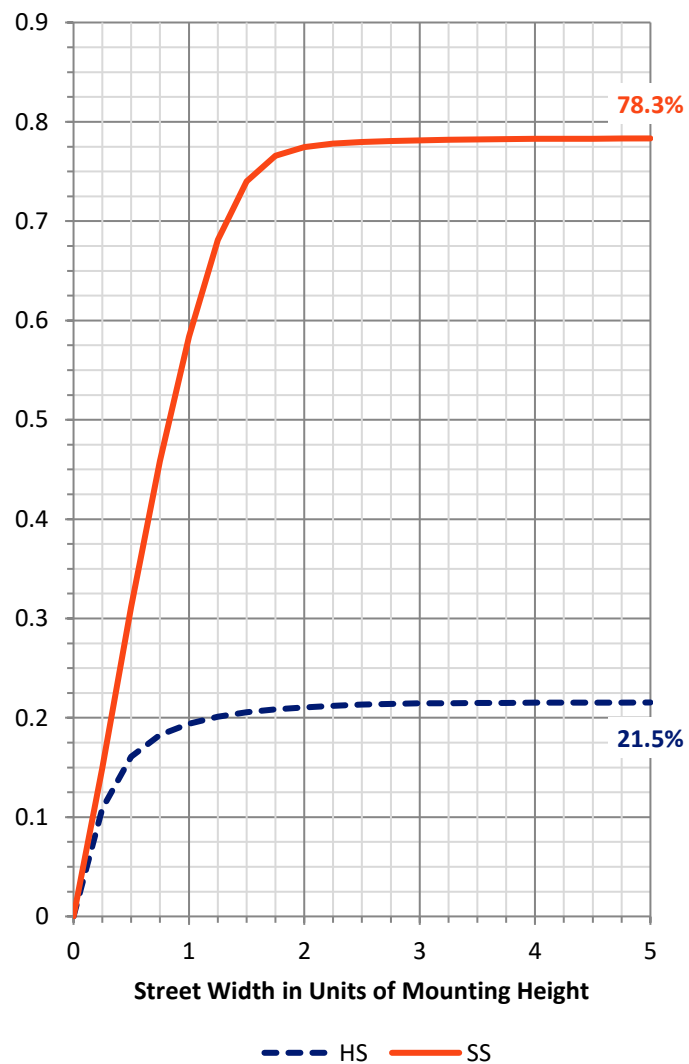
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1840.1	0.0	1840.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6620.9	0.0	6620.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	8461.0	0.0	8461.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	1.9
10°-20°	503.1	5.9
20°-30°	912.5	10.8
30°-40°	1433.4	16.9
40°-50°	2091.0	24.7
50°-60°	2519.3	29.8
60°-70°	737.6	8.7
70°-80°	93.6	1.1
80°-90°	13.1	0.2
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°	8461.0	100.0
0°-180°	8461.0	100.0

Coefficient of Utilization



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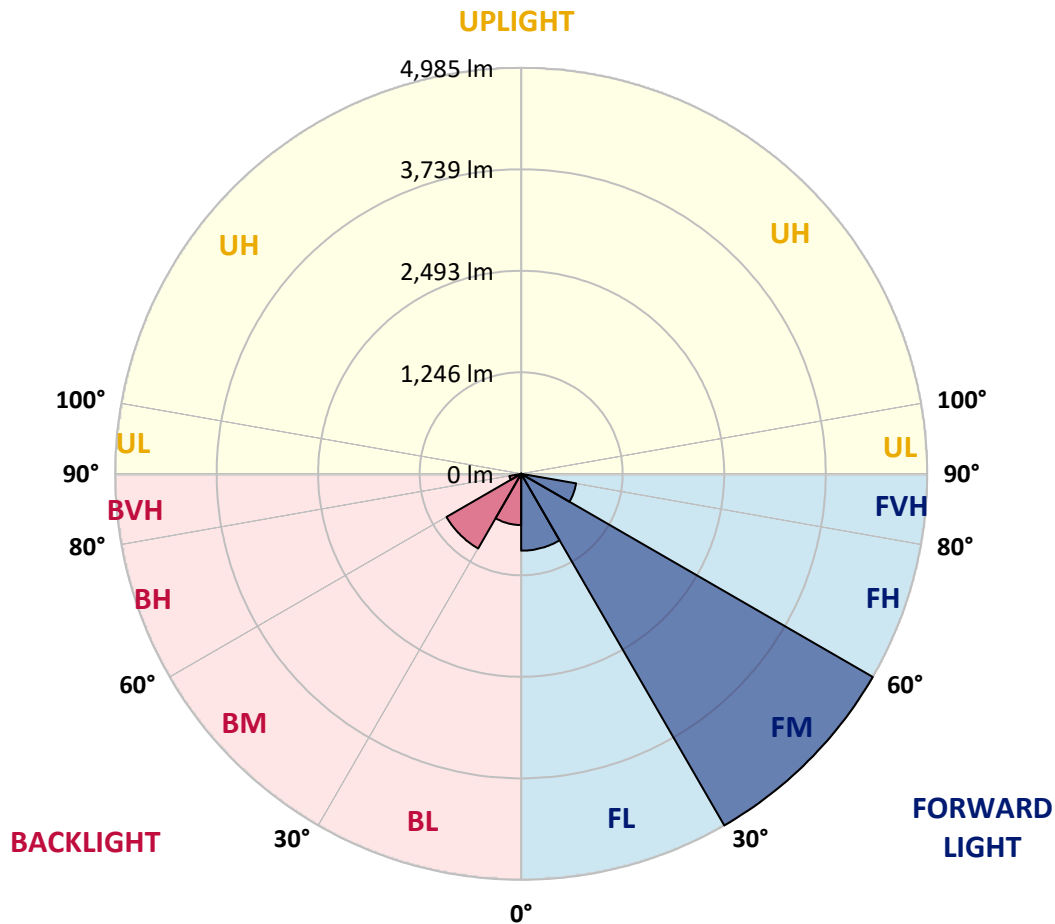
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	944.1	11.2			
FM	(30°-60°)	4985.2	58.9			
FH	(60°-80°)	685.0	8.1			G1/1800
FVH	(80°-90°)	6.6	0.1			G0/10
BL	(0°-30°)	628.9	7.4	B2/1000		
BM	(30°-60°)	1058.4	12.5	B2/2500		
BH	(60°-80°)	146.2	1.7	B1/500		G1/500
BVH	(80°-90°)	6.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1
2.5°	1645.3	1637.6	1637.6	1625.3	1639.2	1633.0	1637.6	1622.2	1637.6	1614.5	1633.0
5°	1653.0	1654.6	1648.4	1656.1	1656.1	1665.4	1649.9	1663.8	1671.5	1654.6	1646.9
7.5°	1693.1	1696.2	1694.6	1688.5	1700.8	1699.2	1697.7	1686.9	1690.0	1683.8	1674.6
10°	1771.7	1770.1	1777.8	1762.4	1753.2	1763.9	1767.0	1750.1	1737.8	1733.1	1703.9
12.5°	1885.7	1867.2	1856.4	1841.0	1845.6	1830.2	1857.9	1828.7	1822.5	1794.8	1765.5
15°	1978.1	1975.0	1976.5	1951.9	1924.2	1930.3	1930.3	1914.9	1905.7	1871.8	1830.2
17.5°	2167.6	2102.9	2116.7	2085.9	2062.8	2061.3	2047.4	2050.5	2025.8	1955.0	1891.8
20°	2315.5	2287.7	2266.2	2213.8	2178.4	2189.1	2183.0	2167.6	2159.9	2067.4	1978.1
22.5°	2448.0	2457.2	2421.8	2407.9	2358.6	2363.2	2375.6	2361.7	2303.1	2207.6	2075.1
25°	2634.4	2623.6	2575.8	2558.9	2512.7	2529.6	2577.4	2566.6	2529.6	2357.1	2150.6
27.5°	2854.7	2817.7	2826.9	2749.9	2705.2	2753.0	2810.0	2863.9	2759.2	2532.7	2240.0
30°	3010.3	2971.8	2968.7	2965.6	2954.8	3010.3	3076.5	3125.8	3041.1	2708.3	2387.9
32.5°	3087.3	3096.5	3122.7	3113.5	3207.5	3321.5	3390.8	3461.7	3355.4	2994.9	2583.5
35°	3292.2	3233.6	3292.2	3298.4	3395.4	3637.3	3725.1	3894.6	3868.4	3400.0	2822.3
37.5°	3412.4	3407.7	3415.4	3474.0	3568.0	3866.8	3991.6	4122.6	4073.3	3643.4	3119.6
40°	3611.1	3623.4	3621.9	3666.5	3769.8	4039.4	4090.2	4196.5	4201.1	3980.8	3557.2
42.5°	3930.0	3880.7	3848.3	3894.6	4039.4	4188.8	4290.5	4268.9	4421.4	4390.6	4119.5
45°	4216.5	4245.8	4198.0	4275.1	4327.5	4407.6	4404.5	4450.7	4644.8	4791.2	4543.1
47.5°	4484.6	4503.1	4526.2	4578.6	4692.6	4704.9	4678.7	4658.7	4926.7	5077.7	4871.3
50°	4644.8	4661.8	4769.6	4863.6	5076.2	5103.9	5119.3	5068.5	5250.3	5267.2	5180.9
52.5°	4601.7	4620.2	4771.1	5080.8	5419.7	5673.9	5627.7	5541.4	5530.6	5596.9	5467.5
55°	4219.6	4202.7	4410.6	4892.8	5527.6	6137.6	6143.8	6052.9	5878.8	5834.1	5424.3
56°	3894.6	3828.3	4093.3	4675.6	5388.9	6097.6	6166.9	6069.8	5906.5	5706.3	5157.8
57.5°	3190.5	3253.7	3517.1	3999.3	4909.8	5809.5	5849.5	5826.4	5703.2	5367.3	4538.5
60°	1759.3	1870.2	2102.9	2692.9	3495.5	4458.4	4490.8	4678.7	4701.8	4110.2	3122.7
62.5°	747.2	734.9	976.7	1411.2	1990.4	2691.4	2751.5	2944.0	2979.5	2369.4	1566.8
65°	303.5	320.4	442.1	710.2	1052.2	1226.3	1311.0	1374.2	1491.3	978.3	577.7
67.5°	200.3	198.7	260.4	405.2	566.9	546.9	546.9	577.7	534.6	399.0	249.6
70°	143.3	147.9	186.4	280.4	352.8	261.9	251.1	240.3	272.7	263.4	201.8
72.5°	94.0	100.1	124.8	167.9	183.3	143.3	143.3	172.5	224.9	212.6	164.8
75°	61.6	63.2	77.0	97.1	90.9	73.9	81.7	115.5	163.3	157.1	117.1
77.5°	41.6	43.1	52.4	63.2	50.8	41.6	44.7	58.5	80.1	80.1	61.6
80°	15.4	16.9	21.6	20.0	23.1	29.3	32.4	40.1	47.8	47.8	41.6
82.5°	0.0	1.5	4.6	10.8	16.9	23.1	26.2	30.8	35.4	40.1	38.5
85°	0.0	1.5	4.6	7.7	12.3	13.9	15.4	10.8	9.2	9.2	7.7
87.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1	1.5	1.5
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°	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1	1616.1
2.5°	1616.1	1614.5	1614.5	1609.9	1619.1	1614.5	1617.6	1616.1	1596.0	1611.4	1600.6
5°	1633.0	1643.8	1626.8	1623.8	1611.4	1616.1	1616.1	1600.6	1614.5	1613.0	1609.9
7.5°	1676.1	1657.6	1639.2	1620.7	1617.6	1613.0	1596.0	1589.9	1600.6	1588.3	1606.8
10°	1694.6	1697.7	1670.0	1645.3	1622.2	1589.9	1566.8	1552.9	1535.9	1554.4	1565.2
12.5°	1779.4	1748.5	1700.8	1662.3	1583.7	1551.4	1528.2	1522.1	1551.4	1557.5	1546.7
15°	1808.6	1804.0	1742.4	1656.1	1574.5	1535.9	1540.6	1528.2	1531.3	1515.9	1519.0
17.5°	1868.7	1816.3	1743.9	1636.1	1572.9	1563.7	1535.9	1486.6	1458.9	1446.6	1457.4
20°	1935.0	1884.1	1779.4	1643.8	1586.8	1562.1	1471.2	1411.2	1354.2	1323.3	1324.9
22.5°	1993.5	1930.3	1763.9	1646.9	1599.1	1497.4	1388.1	1269.4	1198.6	1150.8	1152.3
25°	2064.4	1975.0	1770.1	1653.0	1566.8	1394.2	1237.1	1121.5	1036.8	1004.4	1015.2
27.5°	2104.4	2002.7	1804.0	1666.9	1482.0	1247.9	1078.4	970.6	921.3	905.9	904.3
30°	2224.6	2064.4	1845.6	1639.2	1340.3	1090.7	933.6	867.3	819.6	805.7	808.8
32.5°	2403.3	2176.8	1899.5	1566.8	1195.5	950.5	839.6	790.3	745.6	719.4	716.4
35°	2552.7	2369.4	1956.5	1454.3	1027.6	842.7	773.4	711.7	644.0	614.7	607.0
37.5°	2837.7	2586.6	1944.2	1284.8	867.3	762.6	702.5	627.0	568.5	528.4	523.8
40°	3216.7	2840.8	1884.1	1078.4	748.7	691.7	627.0	554.6	482.2	448.3	445.2
42.5°	3677.3	3152.0	1774.7	868.9	630.1	620.8	562.3	479.1	414.4	389.8	391.3
45°	4051.7	3418.5	1663.8	697.9	542.3	551.5	500.7	422.1	377.4	357.4	357.4
47.5°	4384.5	3598.8	1543.6	576.2	460.6	482.2	437.5	391.3	352.8	337.4	334.3
50°	4704.9	3782.1	1423.5	466.8	392.8	414.4	409.8	372.8	342.0	323.5	325.1
52.5°	4905.2	3811.4	1271.0	382.1	343.5	368.2	383.6	349.7	315.8	305.0	302.0
55°	4660.2	3433.9	986.0	314.3	291.2	323.5	352.8	314.3	288.1	269.6	268.1
56°	4330.5	3070.3	824.2	289.6	275.8	311.2	342.0	300.4	271.1	260.4	252.7
57.5°	3666.5	2512.7	608.5	257.3	255.7	289.6	325.1	286.5	252.7	243.4	243.4
60°	2286.2	1414.2	368.2	215.7	221.8	257.3	292.7	255.7	224.9	224.9	229.5
62.5°	1041.4	588.5	223.4	183.3	191.0	221.8	260.4	231.1	214.1	231.1	234.2
65°	354.3	254.2	161.8	146.4	151.0	183.3	223.4	234.2	232.6	243.4	249.6
67.5°	198.7	163.3	135.6	121.7	118.6	135.6	183.3	234.2	224.9	220.3	223.4
70°	167.9	138.7	120.2	107.8	103.2	109.4	141.7	177.2	158.7	154.1	151.0
72.5°	135.6	115.5	104.8	97.1	83.2	70.9	64.7	67.8	75.5	80.1	87.8
75°	95.5	87.8	87.8	78.6	60.1	44.7	35.4	29.3	20.0	13.9	15.4
77.5°	53.9	53.9	55.5	47.8	38.5	29.3	21.6	15.4	7.7	3.1	1.5
80°	37.0	40.1	43.1	38.5	32.4	26.2	18.5	10.8	4.6	0.0	0.0
82.5°	37.0	41.6	44.7	38.5	32.4	24.6	18.5	10.8	4.6	1.5	0.0
85°	7.7	9.2	10.8	12.3	18.5	18.5	13.9	9.2	4.6	1.5	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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)