

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: P648773

Luminaire Tested: **GLAN-SA2C-835-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-835-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6530.2 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

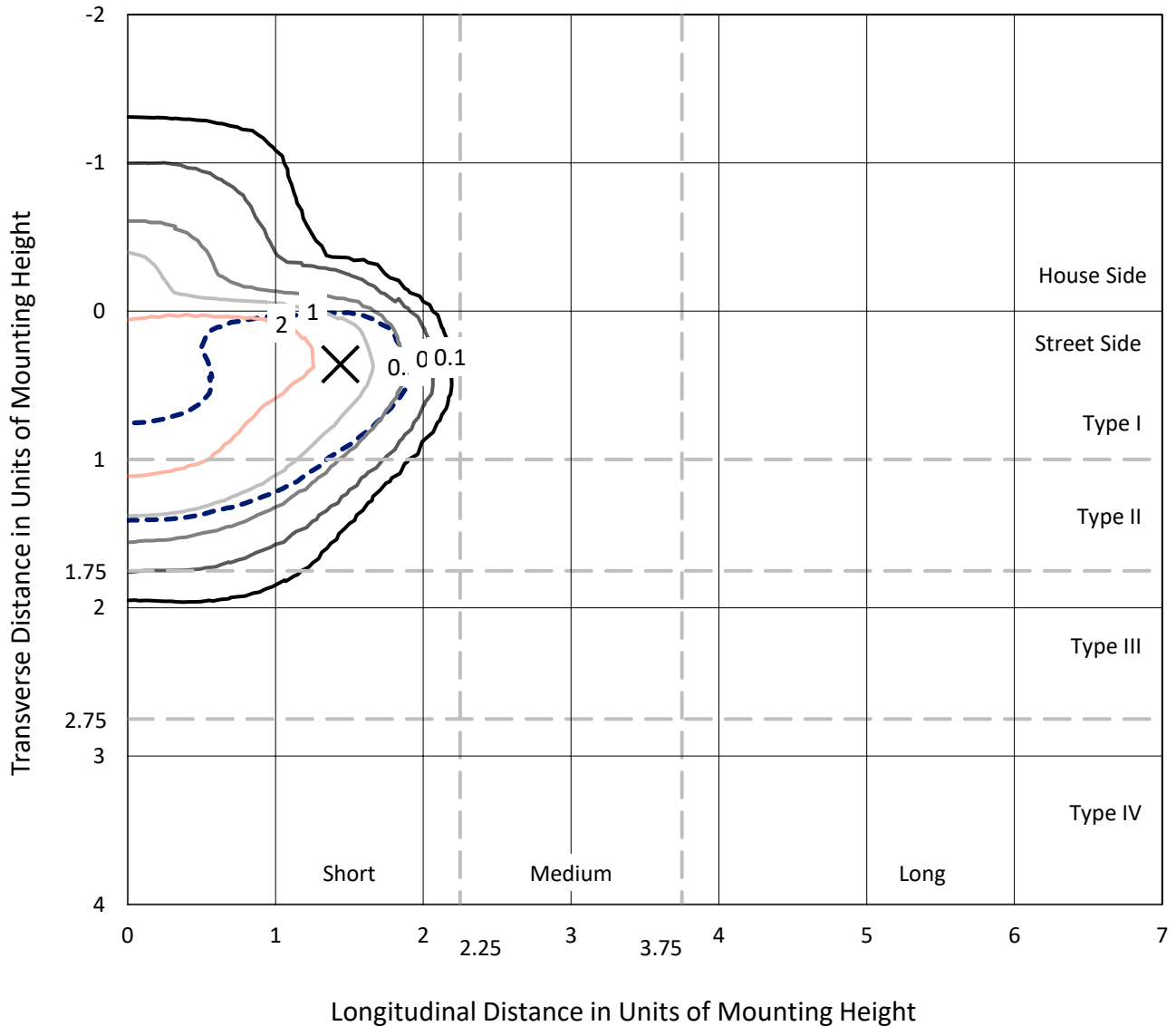
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

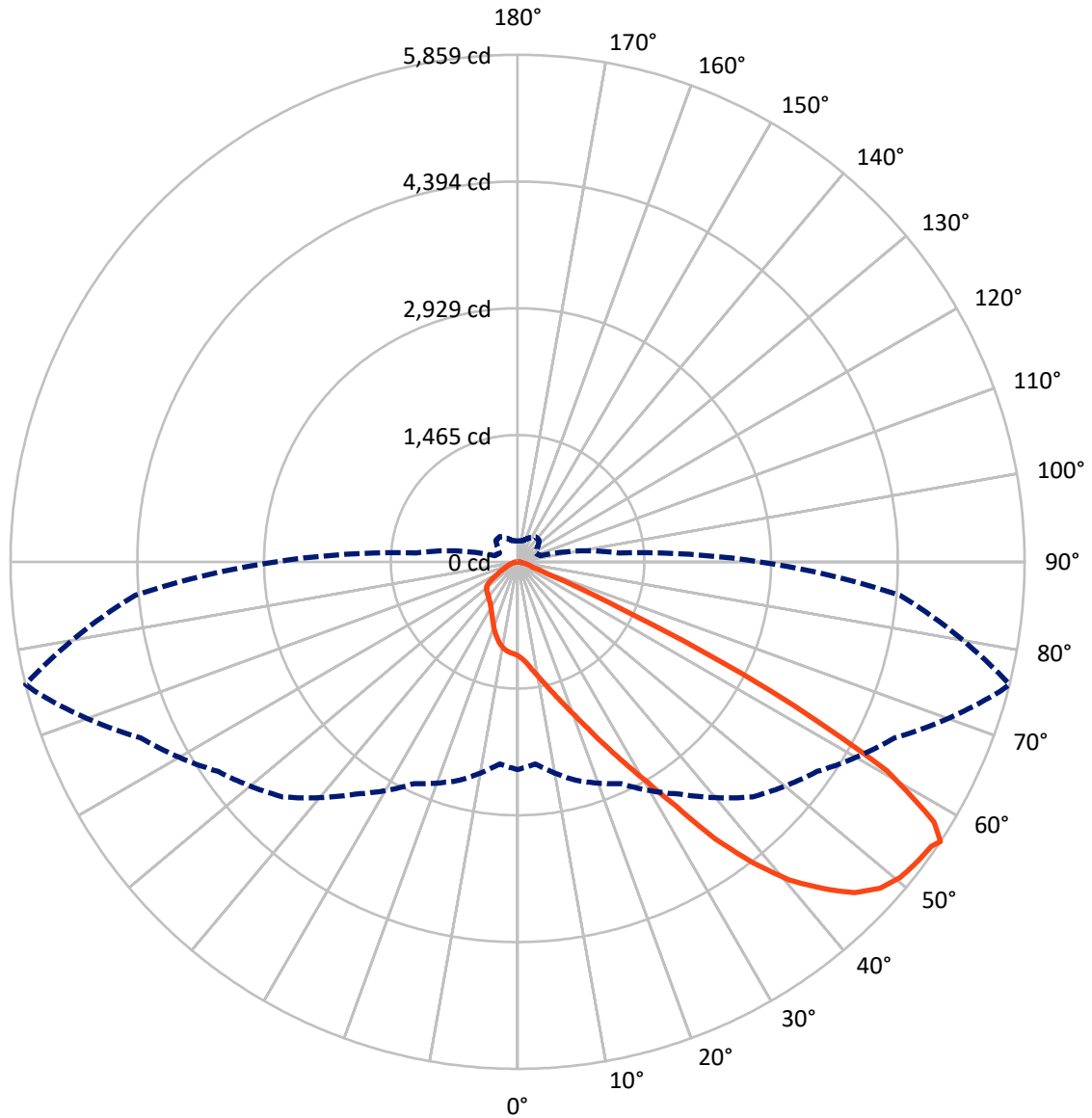
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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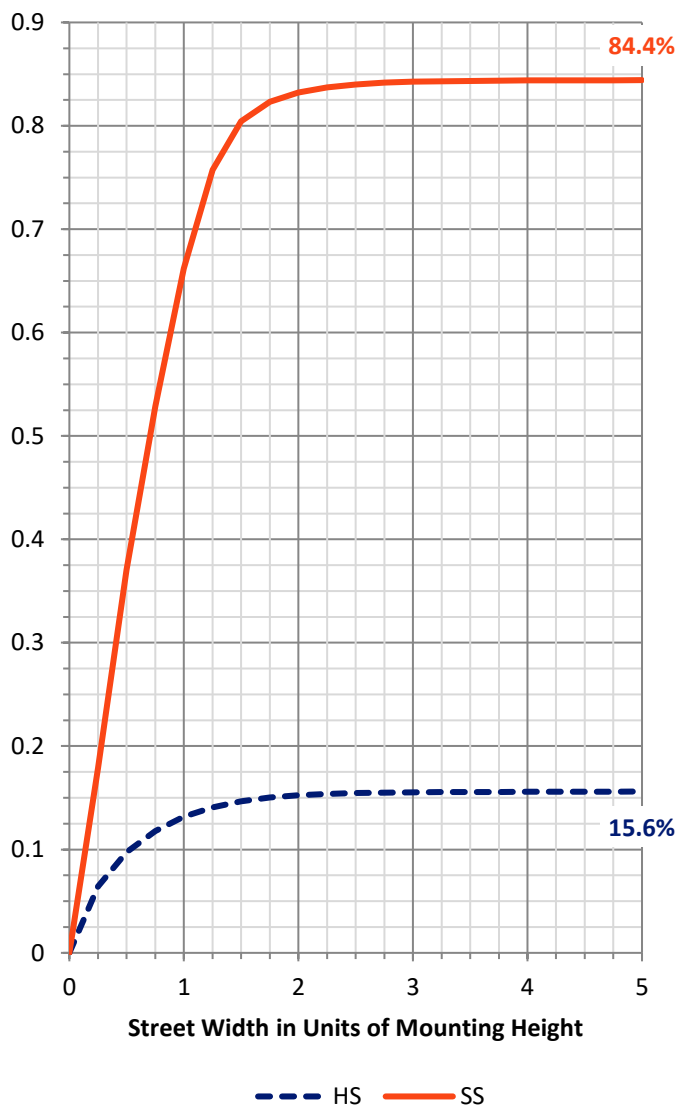
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1025.9	0.0	1025.9
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	5504.4	0.0	5504.4
	% Fixture	84.3	0.0	84.3
Total	Lumens	6530.2	0.0	6530.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	1.7
10°-20°	351.8	5.4
20°-30°	637.9	9.8
30°-40°	1100.0	16.8
40°-50°	1787.0	27.4
50°-60°	1883.6	28.8
60°-70°	575.5	8.8
70°-80°	73.8	1.1
80°-90°	11.2	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°	6530.2	100.0
0°-180°	6530.2	100.0

Coefficient of Utilization



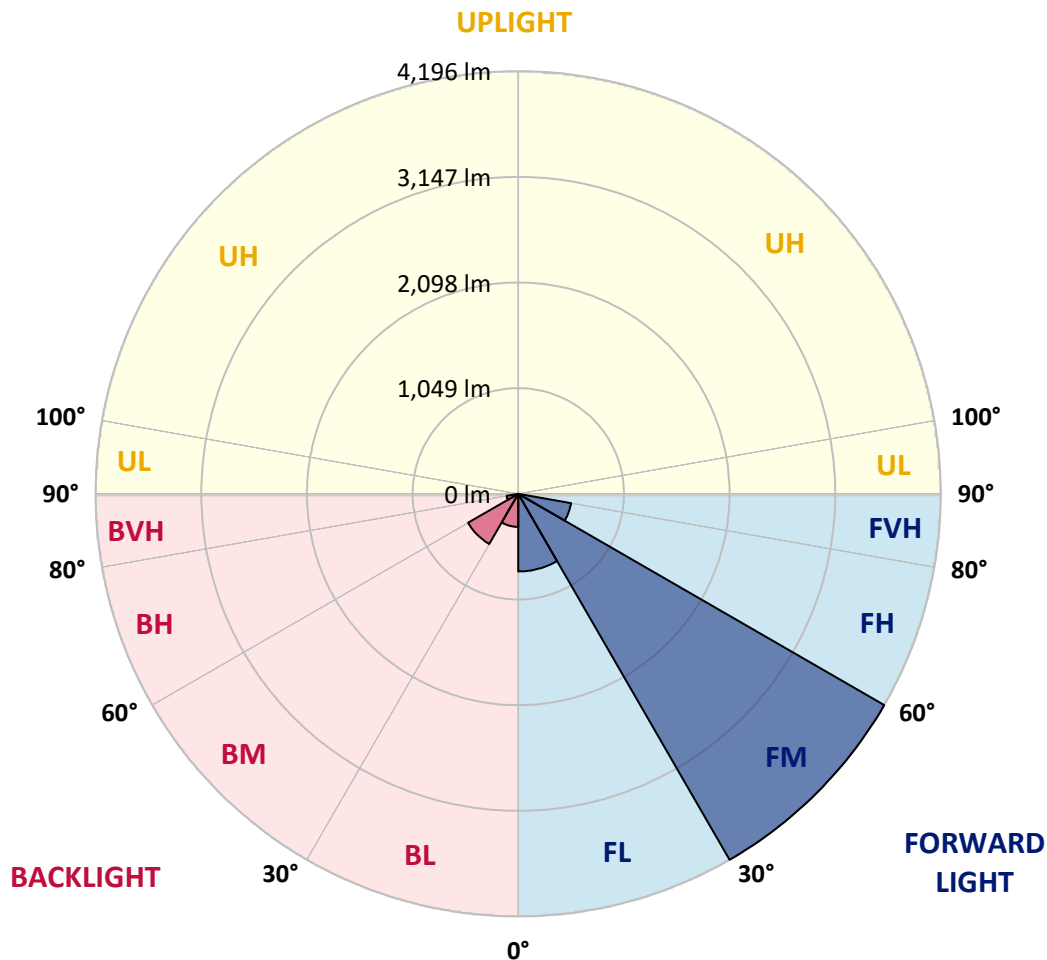
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	771.0	11.8			
FM (30°-60°)	4195.7	64.2			
FH (60°-80°)	532.3	8.2			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	328.2	5.0	B1/500		
BM (30°-60°)	574.9	8.8	B1/1000		
BH (60°-80°)	117.0	1.8	B1/500		G1/500
BVH (80°-90°)	5.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	1251.9	1223.0	1224.2	1221.8	1218.2	1205.0	1165.2	1159.2	1132.7	1125.5	1101.4
5°	1402.4	1377.1	1391.5	1369.9	1349.3	1337.4	1272.4	1242.2	1200.1	1184.4	1150.8
7.5°	1496.2	1484.2	1479.4	1480.6	1461.3	1431.2	1402.4	1336.1	1279.6	1267.5	1196.5
10°	1542.0	1534.8	1542.0	1538.4	1546.8	1550.4	1499.8	1460.1	1377.1	1356.6	1245.8
12.5°	1552.8	1567.3	1573.3	1588.9	1609.4	1644.3	1640.7	1586.5	1475.8	1462.6	1321.7
15°	1579.3	1591.3	1585.3	1610.6	1649.1	1708.1	1739.4	1731.0	1611.8	1587.7	1409.6
17.5°	1603.3	1581.7	1602.2	1652.7	1691.2	1781.5	1857.4	1892.3	1759.9	1732.2	1490.2
20°	1635.8	1629.8	1626.2	1651.5	1720.1	1840.5	1990.9	2054.7	1925.9	1897.1	1605.8
22.5°	1734.6	1735.8	1733.3	1696.1	1745.4	1881.4	2107.8	2265.4	2124.6	2100.5	1737.0
25°	1864.6	1848.9	1836.9	1806.8	1800.7	1918.7	2225.7	2523.0	2362.9	2346.0	1879.0
27.5°	2001.8	2001.8	1965.7	1938.0	1899.5	2011.4	2334.0	2773.4	2650.6	2627.7	2003.0
30°	2151.1	2159.5	2154.7	2095.7	2071.6	2112.5	2444.8	3093.6	2980.4	2951.5	2207.7
32.5°	2371.3	2353.3	2373.7	2324.4	2253.4	2289.5	2619.3	3380.1	3408.9	3368.0	2476.1
35°	2662.7	2651.8	2638.6	2557.9	2473.7	2502.5	2866.1	3732.7	3947.0	3926.6	2746.9
37.5°	2923.9	2917.8	2907.0	2851.6	2754.1	2789.0	3146.6	4099.9	4471.9	4404.5	3129.7
40°	3198.3	3230.8	3195.9	3146.6	3057.5	3134.5	3476.4	4317.8	4913.6	4831.7	3422.2
42.5°	3570.2	3545.0	3560.6	3470.3	3422.2	3506.4	3807.4	4535.6	5256.7	5159.2	3732.7
45°	3966.3	3967.5	3925.3	3896.4	3771.2	3862.8	4010.8	4656.0	5529.9	5454.1	3967.5
47.5°	4220.3	4219.0	4264.8	4310.6	4181.8	4091.5	4149.3	4770.3	5670.7	5635.9	4053.0
50°	4180.5	4192.6	4251.5	4422.5	4489.9	4368.4	4279.3	4736.7	5734.5	5730.9	4126.4
52.5°	3636.5	3676.2	3774.9	4021.6	4361.1	4511.6	4415.3	4799.2	5765.9	5771.9	4236.0
55°	2768.6	2790.2	2978.0	3277.7	3653.3	4168.5	4361.1	4848.6	5789.9	5800.8	4368.4
56°	2401.5	2343.7	2614.5	2827.6	3276.5	3839.9	4223.9	4810.1	5775.5	5858.6	4434.5
57.5°	1812.8	1774.3	1993.4	2259.4	2691.6	3286.2	3797.8	4628.3	5678.0	5676.8	4339.5
60°	1102.6	1064.1	1232.6	1389.1	1631.1	2023.4	2566.4	3685.8	4800.5	4901.6	3513.7
62.5°	656.0	680.1	846.2	941.3	1019.5	1060.5	1327.7	2190.8	3203.1	3275.4	2180.0
65°	436.9	445.4	570.6	727.0	761.9	606.7	540.5	887.1	1389.1	1344.6	899.2
67.5°	269.7	288.9	382.8	546.5	605.5	442.9	256.4	331.1	382.8	382.8	260.0
70°	163.7	173.4	255.2	371.9	415.3	285.2	186.6	186.6	184.2	180.6	155.3
72.5°	78.2	84.3	130.0	191.4	195.0	150.5	144.5	157.7	154.1	152.8	128.8
75°	33.7	36.1	45.7	60.2	68.6	63.8	87.9	113.1	116.7	113.1	92.7
77.5°	10.8	12.1	16.8	21.7	22.9	27.7	37.3	47.0	54.2	50.6	45.7
80°	1.2	2.4	4.8	10.8	16.8	21.7	27.7	31.3	34.9	34.9	32.5
82.5°	1.2	1.2	4.8	9.6	15.7	20.4	26.5	30.1	34.9	36.1	33.7
85°	0.0	1.2	3.6	8.5	13.2	13.2	12.1	12.1	8.5	8.5	8.5
87.5°	0.0	0.0	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
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°	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	1096.6	1094.2	1061.7	1041.2	1030.4	1008.7	995.5	985.9	978.6	970.2	971.4
5°	1111.1	1102.6	1048.4	1011.2	966.6	942.5	922.1	905.2	894.3	892.0	887.1
7.5°	1151.9	1107.4	1025.6	958.2	901.6	877.5	859.5	848.6	853.5	842.6	851.0
10°	1183.3	1117.0	997.9	900.4	843.8	825.8	816.1	824.6	836.6	831.8	825.8
12.5°	1221.8	1126.7	953.4	845.0	792.1	778.9	795.7	811.3	835.4	845.0	833.0
15°	1265.1	1137.5	896.8	781.2	747.5	758.3	787.2	814.9	839.0	851.0	858.2
17.5°	1318.1	1133.9	841.4	730.7	705.4	736.6	771.6	796.9	833.0	851.0	846.2
20°	1367.4	1121.9	780.0	680.1	681.3	710.2	739.1	780.0	799.3	823.3	814.9
22.5°	1414.4	1100.2	716.2	645.2	645.2	689.7	704.2	730.7	747.5	759.6	758.3
25°	1480.6	1059.2	663.3	611.5	625.9	654.8	666.9	675.3	668.1	677.7	678.9
27.5°	1527.6	1017.1	619.9	581.4	607.8	629.5	625.9	621.2	604.2	591.0	599.5
30°	1578.1	967.8	582.6	560.9	575.3	594.6	580.2	565.7	539.3	517.6	518.8
32.5°	1650.3	944.9	550.1	536.8	556.1	558.5	542.9	521.2	494.7	474.3	473.1
35°	1785.2	930.5	522.4	521.2	524.8	526.0	510.4	483.9	473.1	456.2	462.2
37.5°	1919.9	923.2	503.2	498.4	497.1	498.4	480.3	455.0	475.4	474.3	476.7
40°	2092.1	955.7	475.4	469.5	470.7	470.7	447.8	440.6	476.7	480.3	481.5
42.5°	2266.6	996.7	457.4	438.2	442.9	442.9	431.0	422.5	447.8	423.7	420.1
45°	2418.3	1056.9	438.2	406.8	418.9	424.9	421.3	406.8	391.2	350.3	350.3
47.5°	2467.6	1109.8	415.3	376.8	386.4	412.9	402.1	371.9	344.3	310.5	308.2
50°	2554.3	1167.6	397.2	341.9	362.3	394.8	384.0	353.9	322.6	298.6	299.7
52.5°	2643.4	1233.9	363.5	300.9	326.2	380.4	380.4	346.6	298.6	281.6	279.3
55°	2777.0	1231.4	303.3	246.8	291.3	358.7	364.7	310.5	267.2	254.0	254.0
56°	2796.2	1176.1	273.3	231.1	275.6	352.7	353.9	300.9	255.2	240.8	240.8
57.5°	2651.8	1061.7	239.5	211.9	256.4	341.9	343.0	292.5	245.5	225.1	222.7
60°	2040.3	718.6	199.8	189.0	232.3	308.2	314.1	266.0	215.5	199.8	198.6
62.5°	1151.9	398.5	175.7	170.9	199.8	262.4	280.5	232.3	183.0	174.5	177.0
65°	526.0	219.1	148.1	138.4	161.3	202.2	226.3	191.4	150.5	140.9	140.9
67.5°	192.6	149.2	126.4	109.5	113.1	131.2	146.9	123.9	99.9	85.5	89.1
70°	137.3	125.2	110.7	95.1	87.9	85.5	84.3	69.8	49.3	38.5	41.0
72.5°	110.7	103.5	92.7	80.6	68.6	57.8	49.3	36.1	22.9	15.7	14.4
75°	79.5	75.9	67.4	57.8	48.2	41.0	33.7	22.9	12.1	6.0	6.0
77.5°	41.0	41.0	39.7	36.1	30.1	24.0	19.3	13.2	7.2	2.4	2.4
80°	31.3	33.7	34.9	31.3	27.7	21.7	15.7	9.6	4.8	1.2	1.2
82.5°	30.1	34.9	37.3	32.5	27.7	20.4	15.7	9.6	4.8	1.2	1.2
85°	7.2	7.2	10.8	12.1	15.7	16.8	13.2	8.5	3.6	1.2	1.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	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)