

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: P653712

Luminaire Tested: **GLAN-SA2A-840-U-SL4-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P653712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-840-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6362.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

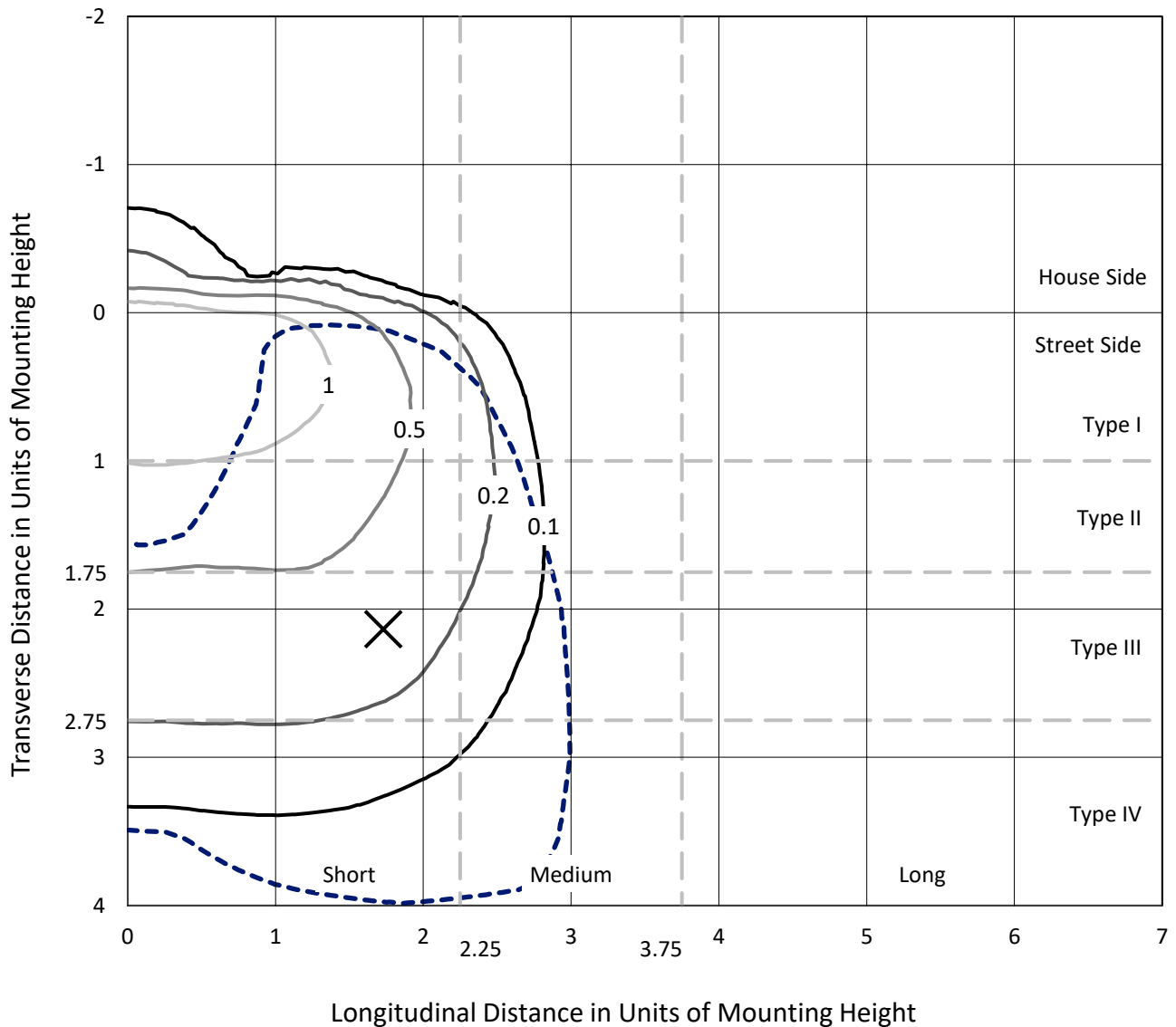
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

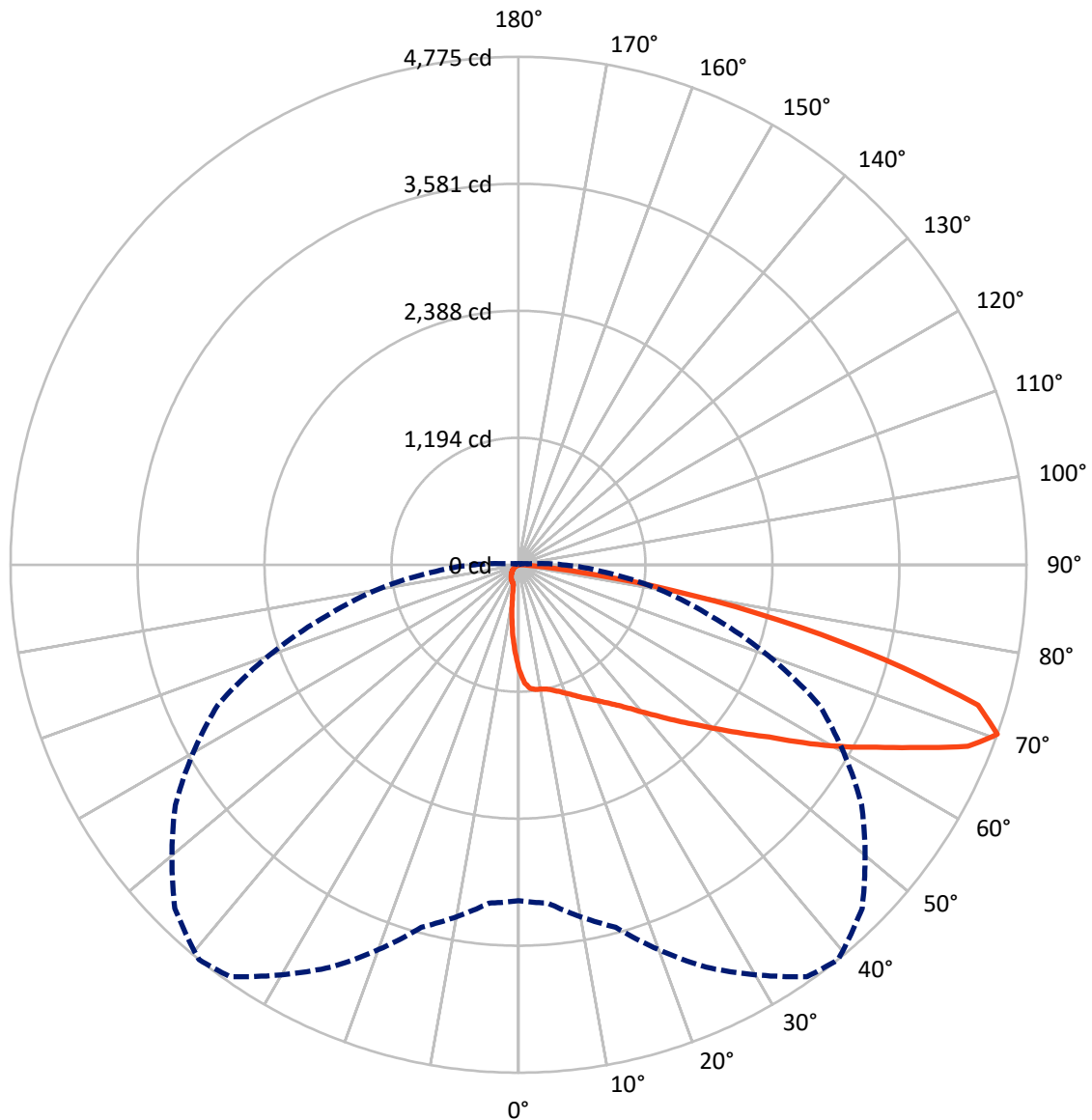
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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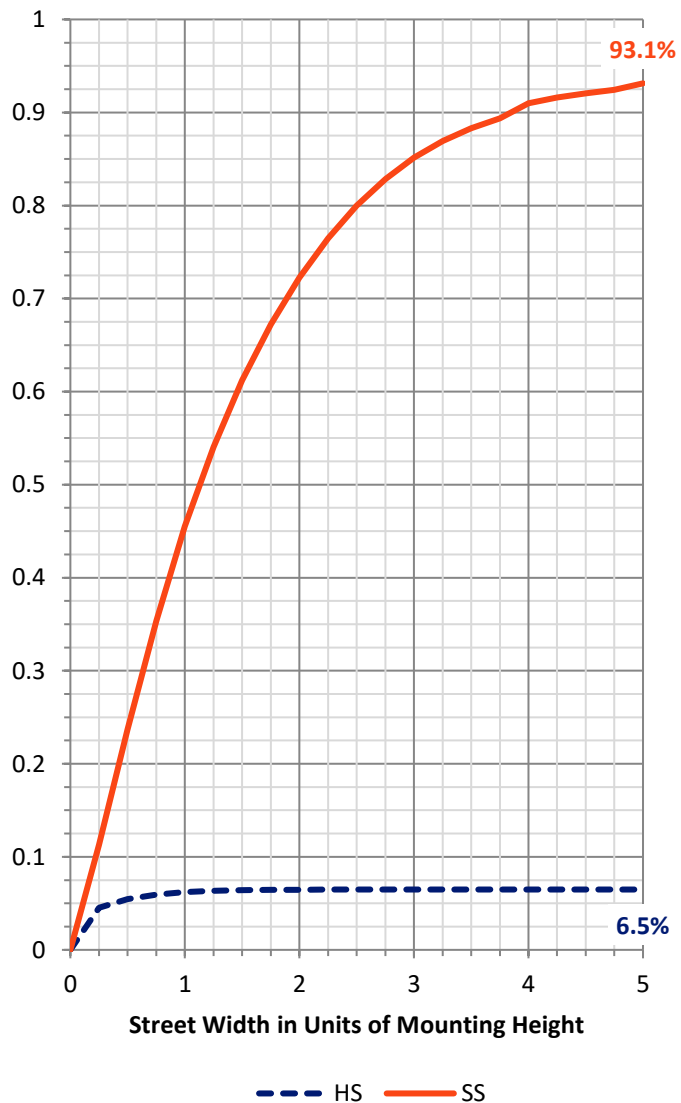
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.8	0.0	414.8
	% Fixture	6.5	0.0	6.5
Street Side	Lumens	5947.3	0.0	5947.3
	% Fixture	93.5	0.0	93.5
Total	Lumens	6362.2	0.0	6362.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	1.3
10°-20°	220.0	3.5
20°-30°	368.6	5.8
30°-40°	571.7	9.0
40°-50°	906.0	14.2
50°-60°	1328.0	20.9
60°-70°	1702.2	26.8
70°-80°	1069.6	16.8
80°-90°	111.4	1.8
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°	6362.2	100.0
0°-180°	6362.2	100.0

Coefficient of Utilization



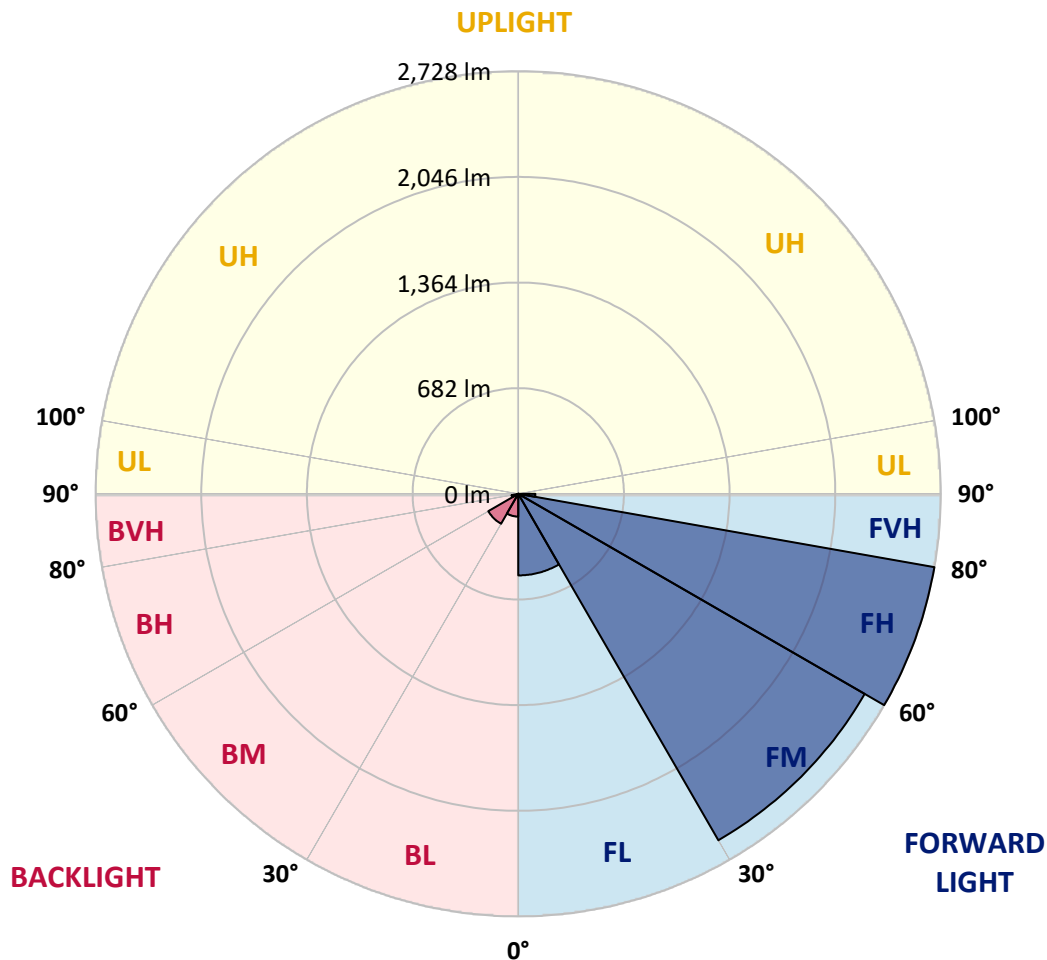
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.4	8.3			
FM (30°-60°)	2582.4	40.6			
FH (60°-80°)	2727.9	42.9			G2/5000
FVH (80°-90°)	110.6	1.7			G2/225
BL (0°-30°)	146.9	2.3	B1/500		
BM (30°-60°)	223.3	3.5	B1/1000		
BH (60°-80°)	43.9	0.7	B0/110		G0/110
BVH (80°-90°)	0.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7
2.5°	1147.0	1143.2	1138.0	1132.1	1115.0	1112.0	1101.7	1079.9	1053.9	1032.5	1003.0
5°	1201.4	1203.5	1199.6	1188.9	1176.6	1169.2	1156.5	1122.7	1088.9	1045.7	997.4
7.5°	1213.7	1218.0	1213.3	1203.1	1191.1	1183.4	1173.1	1144.1	1104.7	1055.5	989.3
10°	1212.5	1217.6	1214.6	1205.2	1195.4	1188.1	1177.0	1153.9	1122.2	1070.5	991.9
12.5°	1210.4	1217.2	1216.8	1212.0	1203.9	1198.3	1191.5	1171.0	1141.5	1092.3	1006.0
15°	1204.3	1212.9	1220.6	1224.4	1224.8	1224.8	1216.3	1194.5	1166.3	1121.0	1024.3
17.5°	1206.9	1216.8	1236.0	1247.1	1254.8	1253.9	1244.9	1221.5	1190.3	1150.5	1043.6
20°	1222.7	1236.0	1262.9	1285.1	1292.9	1290.3	1278.3	1250.9	1215.5	1175.7	1062.4
22.5°	1261.7	1273.6	1307.3	1333.5	1339.0	1332.1	1315.1	1277.9	1245.8	1203.1	1085.1
25°	1319.8	1333.9	1365.1	1384.8	1384.8	1380.9	1357.0	1313.4	1280.0	1241.1	1114.6
27.5°	1390.3	1402.3	1433.1	1450.6	1440.3	1429.2	1405.3	1352.7	1320.6	1289.0	1150.1
30°	1461.7	1469.4	1501.9	1509.6	1498.9	1484.8	1459.1	1406.6	1378.3	1354.0	1201.4
32.5°	1529.3	1545.9	1572.8	1571.2	1556.6	1549.8	1526.2	1470.2	1454.4	1451.9	1273.2
35°	1596.8	1609.7	1633.6	1639.5	1626.7	1625.5	1608.3	1566.9	1567.3	1584.0	1385.2
37.5°	1654.9	1666.5	1694.7	1708.0	1710.5	1717.0	1710.1	1682.8	1721.6	1767.4	1533.6
40°	1703.7	1719.9	1755.8	1779.0	1805.5	1828.9	1830.3	1836.2	1914.5	1993.1	1727.2
42.5°	1741.7	1764.4	1816.6	1859.3	1920.0	1949.9	1973.9	2006.8	2138.5	2256.1	1955.5
45°	1791.3	1817.4	1882.4	1949.5	2044.5	2093.6	2127.0	2215.0	2401.8	2562.2	2189.8
47.5°	1873.4	1887.1	1953.4	2051.3	2176.1	2246.2	2311.2	2444.6	2684.5	2828.1	2384.7
50°	1979.0	1988.0	2038.0	2174.0	2335.5	2427.9	2546.4	2703.2	2977.7	3048.7	2495.1
52.5°	2095.8	2098.7	2136.3	2309.0	2514.3	2630.6	2763.1	2956.8	3216.7	3206.1	2568.2
55°	2231.3	2227.0	2259.0	2455.7	2725.9	2858.9	3013.2	3216.3	3424.0	3317.6	2610.0
57.5°	2386.4	2374.9	2406.1	2650.2	2997.0	3156.0	3312.9	3440.3	3584.8	3411.3	2630.1
60°	2548.9	2525.9	2563.0	2868.7	3316.3	3467.3	3597.6	3631.9	3754.1	3485.6	2595.5
62.5°	2678.4	2678.9	2748.1	3101.3	3644.6	3776.8	3846.1	3876.8	3899.9	3469.4	2413.4
65°	2880.7	2887.5	2998.2	3424.0	4024.8	4139.3	4186.8	4086.8	3906.3	3267.6	2139.8
67.5°	3089.3	3111.1	3313.8	3868.7	4463.8	4556.1	4495.0	4127.4	3731.9	2807.2	1622.5
70°	3157.3	3193.2	3527.1	4174.8	4727.2	4775.0	4568.1	3938.0	3119.7	1876.9	816.6
72.5°	2893.0	2951.2	3404.4	4063.2	4559.1	4517.7	4087.2	3302.6	1983.3	712.7	249.3
75°	2040.2	2065.8	2829.4	3370.6	3666.9	3549.4	3109.0	2129.1	815.7	200.1	85.5
77.5°	1053.4	1041.0	1682.8	2236.4	2615.2	2493.3	2035.9	1102.1	309.1	83.3	53.0
80°	544.6	553.6	728.1	1171.8	1596.4	1469.0	1085.5	510.9	164.6	46.2	40.6
82.5°	305.3	286.4	418.6	511.7	746.5	585.3	416.4	361.7	71.8	27.8	38.5
85°	55.6	58.1	229.6	276.6	259.1	164.6	134.2	241.5	20.9	15.4	26.9
87.5°	0.8	0.8	44.5	79.6	50.5	23.1	42.3	34.6	4.3	6.0	4.7
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°	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7	992.7
2.5°	988.0	971.8	941.4	911.5	873.5	842.3	821.2	799.5	777.3	778.9	784.1
5°	970.9	942.7	882.9	819.6	758.8	704.2	650.3	602.0	582.3	564.3	565.2
7.5°	953.8	914.1	826.4	727.2	635.3	542.1	474.6	419.0	389.5	367.3	360.9
10°	946.1	893.6	774.6	638.3	507.9	406.1	319.3	274.1	239.0	227.9	230.9
12.5°	949.6	883.3	728.1	557.9	402.8	283.0	222.3	199.2	191.5	190.2	189.4
15°	956.0	876.0	682.3	469.0	295.9	210.3	186.9	182.6	181.7	180.8	181.2
17.5°	964.5	869.6	633.6	385.6	227.0	183.8	177.0	174.8	174.4	174.4	174.4
20°	973.0	862.4	579.3	311.3	189.4	173.6	169.3	168.0	167.6	167.6	167.2
22.5°	982.9	855.9	524.1	244.6	174.4	166.3	162.5	161.6	161.1	160.7	160.7
25°	997.0	847.8	465.6	200.1	165.0	159.5	155.6	154.7	154.3	152.6	153.1
27.5°	1015.8	841.8	405.3	172.7	156.5	150.9	148.4	147.1	146.2	144.9	145.3
30°	1041.5	836.7	341.2	157.8	146.7	142.0	139.4	138.5	137.7	136.4	136.4
32.5°	1085.9	838.8	273.6	145.7	137.7	132.1	129.5	128.7	127.8	126.6	126.6
35°	1152.6	851.2	218.9	135.5	127.0	121.4	118.8	118.8	117.6	115.9	115.5
37.5°	1261.7	882.9	175.7	125.7	116.7	111.6	108.6	107.7	106.5	103.9	103.4
40°	1390.3	932.0	147.9	115.9	107.3	102.2	99.6	97.1	93.6	91.1	90.7
42.5°	1551.9	982.5	128.3	106.1	98.3	93.6	90.7	86.4	81.2	77.8	77.4
45°	1720.3	1028.6	115.0	97.1	89.8	86.0	82.5	75.7	69.3	65.0	64.6
47.5°	1846.1	1037.2	104.3	88.5	82.5	78.6	73.9	65.4	56.9	53.0	51.7
50°	1905.5	995.7	93.2	80.0	75.3	71.0	65.0	55.2	45.8	41.0	40.2
52.5°	1926.4	923.9	84.2	72.2	68.0	62.8	55.6	44.5	35.9	31.2	30.8
55°	1917.9	833.3	76.1	65.0	59.5	53.4	46.2	35.5	26.5	22.6	21.8
57.5°	1873.0	717.8	68.0	57.7	50.9	44.9	36.8	26.5	18.0	14.5	14.1
60°	1752.0	560.5	59.9	49.6	43.1	36.8	29.1	18.8	11.1	8.2	8.2
62.5°	1547.6	416.0	52.1	41.5	36.3	29.5	20.5	11.9	6.0	4.3	3.9
65°	1293.3	307.0	43.6	35.1	30.4	23.1	14.5	7.2	3.0	1.3	0.8
67.5°	902.5	189.4	36.3	28.7	24.8	16.7	9.0	3.0	1.3	0.0	0.0
70°	410.0	90.2	27.8	21.8	18.8	11.9	4.7	1.7	0.8	0.0	0.0
72.5°	127.4	47.4	19.7	15.8	12.9	7.7	2.6	1.3	0.8	0.0	0.0
75°	59.0	30.4	12.4	8.6	7.2	3.9	1.7	0.8	0.4	0.0	0.0
77.5°	44.1	23.5	7.2	4.7	3.9	2.6	1.3	0.8	0.4	0.0	0.0
80°	38.5	11.9	4.3	3.0	2.1	1.7	0.8	0.4	0.0	0.0	0.0
82.5°	34.6	6.0	2.6	1.7	1.3	0.8	0.4	0.4	0.0	0.0	0.0
85°	18.8	3.4	1.7	1.3	0.8	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	1.3	0.8	0.8	0.4	0.4	0.4	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)