

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: P526694

Luminaire Tested: **GLAN-SA1C-830-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-830-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5101 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

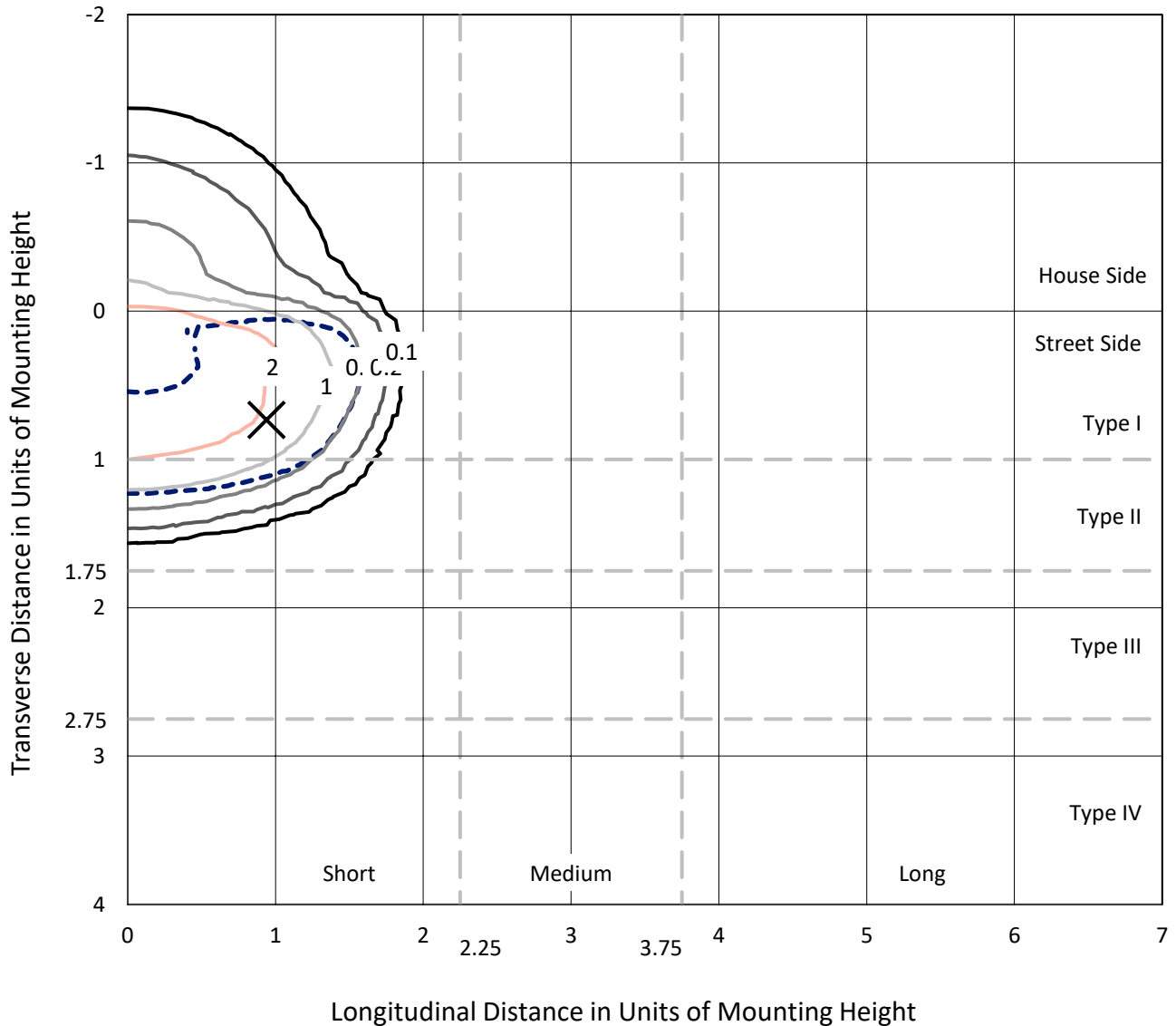
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526694
 CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

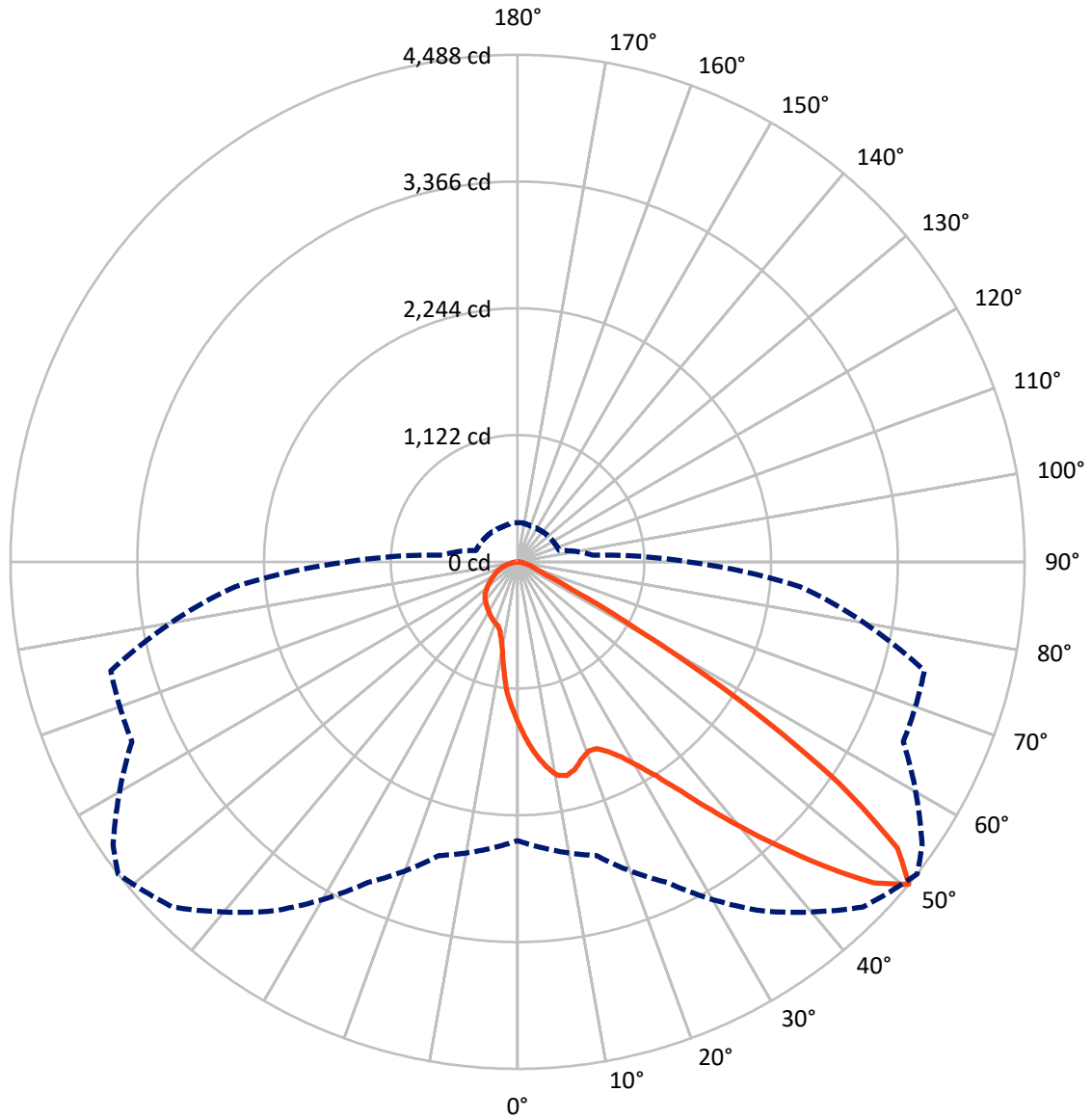
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

REPORT NUMBER: P526694
CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P526694
 CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

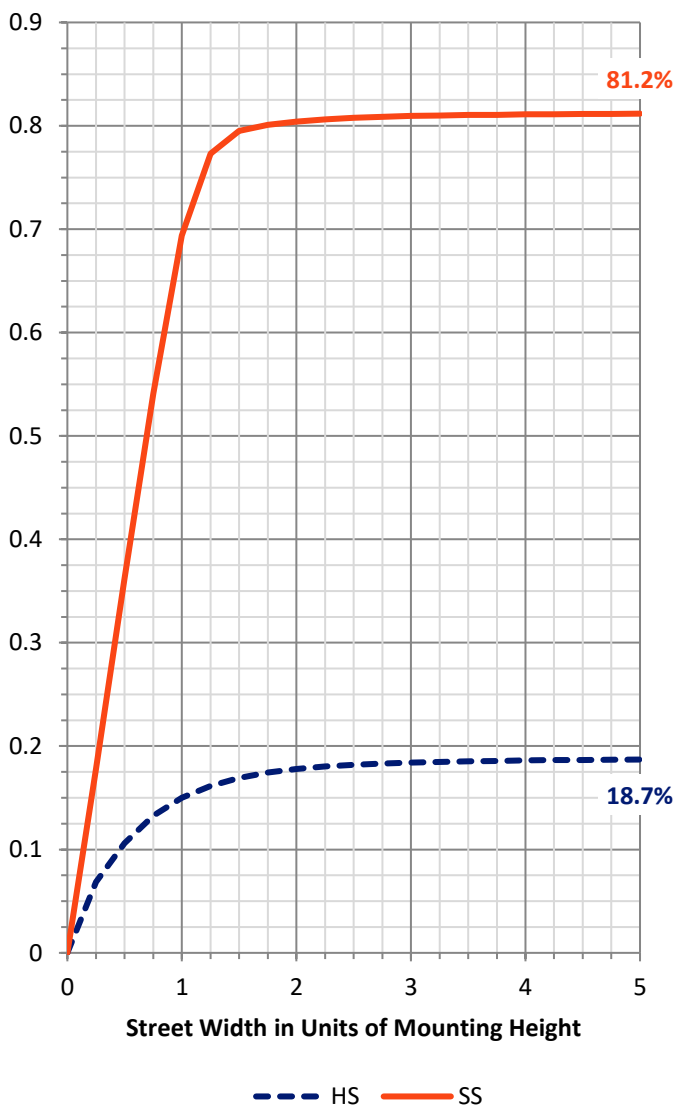
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.9	0.0	958.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4142.1	0.0	4142.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	5101.0	0.0	5101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	2.6
10°-20°	355.2	7.0
20°-30°	598.3	11.7
30°-40°	1004.1	19.7
40°-50°	1536.0	30.1
50°-60°	1119.8	22.0
60°-70°	249.2	4.9
70°-80°	89.9	1.8
80°-90°	15.9	0.3
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°	5101.0	100.0
0°-180°	5101.0	100.0

Coefficient of Utilization

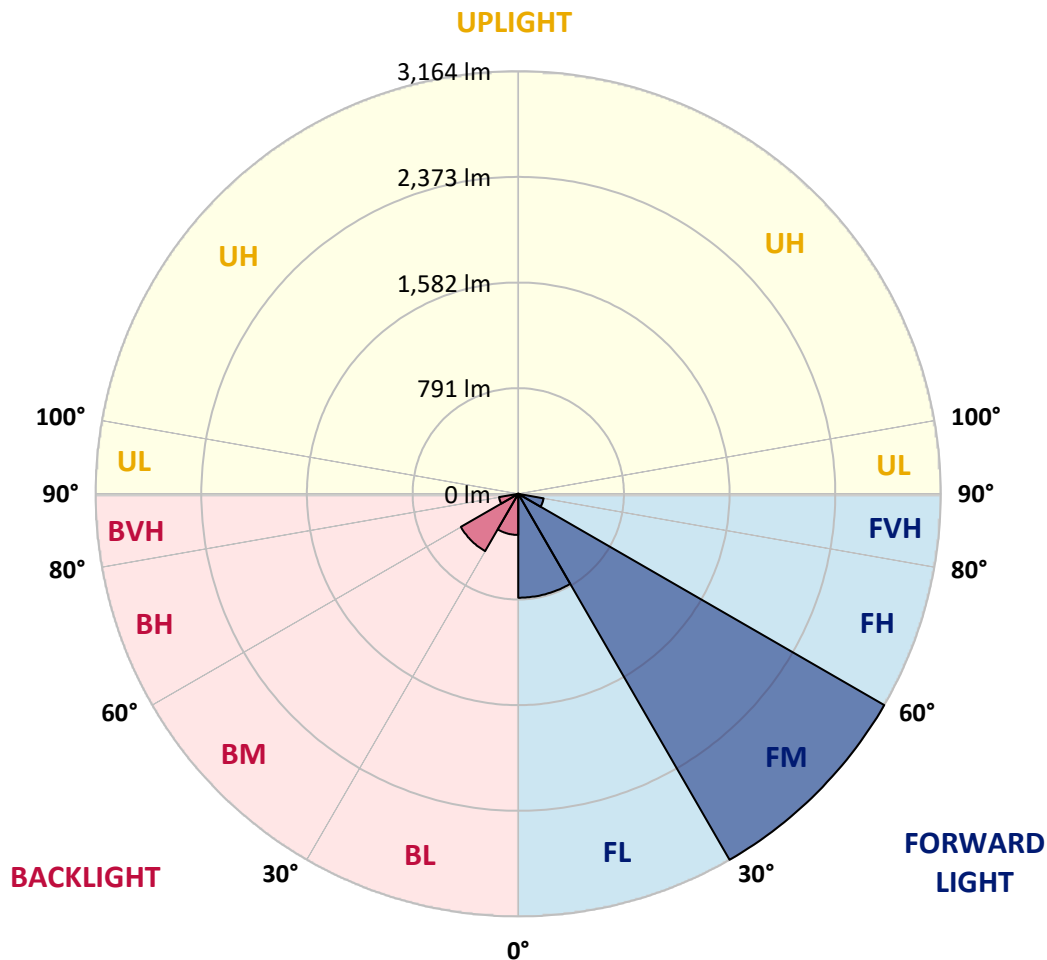


REPORT NUMBER: P526694
 CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.1	15.3			
FM (30°-60°)	3163.9	62.0			
FH (60°-80°)	193.0	3.8			G0/660
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	308.0	6.0	B1/500		
BM (30°-60°)	496.0	9.7	B1/1000		
BH (60°-80°)	146.1	2.9	B1/500		G1/500
BVH (80°-90°)	8.8	0.2			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





REPORT NUMBER: P526694

CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9
2.5°	1693.0	1660.4	1664.1	1640.8	1615.5	1608.2	1582.4	1557.8	1539.3	1500.0	1463.7
5°	1850.4	1840.5	1825.8	1807.3	1788.3	1741.6	1715.1	1684.4	1616.8	1555.9	1495.7
7.5°	1873.1	1871.3	1879.3	1879.3	1886.0	1868.2	1830.7	1809.2	1737.3	1638.3	1526.4
10°	1713.3	1718.8	1757.6	1808.0	1878.0	1926.6	1920.5	1914.9	1836.2	1701.0	1562.7
12.5°	1586.0	1573.7	1596.5	1639.5	1744.6	1862.1	1941.4	1942.0	1921.7	1801.2	1589.1
15°	1514.1	1522.7	1528.9	1549.2	1628.5	1764.3	1903.9	1945.1	2034.2	1871.9	1630.9
17.5°	1560.2	1531.3	1530.1	1535.0	1575.6	1677.6	1834.4	1905.1	2095.7	1962.9	1682.6
20°	1620.5	1619.9	1602.6	1596.5	1595.9	1686.9	1788.9	1884.8	2128.2	2080.9	1734.8
22.5°	1726.2	1726.2	1697.9	1684.4	1655.5	1729.9	1795.1	1860.2	2182.3	2162.1	1760.0
25°	1903.2	1874.4	1825.8	1792.6	1776.0	1802.4	1860.2	1918.6	2229.7	2248.1	1812.3
27.5°	2066.8	2021.3	1997.3	1940.1	1918.0	1902.6	1955.5	2014.5	2285.0	2382.1	1840.5
30°	2252.4	2244.4	2201.4	2127.6	2072.9	2044.6	2093.2	2151.6	2386.4	2519.2	1905.7
32.5°	2584.4	2511.8	2453.4	2363.1	2273.9	2213.7	2261.6	2300.4	2554.9	2662.5	1977.0
35°	2942.8	2919.4	2818.6	2655.7	2519.2	2465.1	2493.4	2522.3	2751.0	2881.3	2096.9
37.5°	3295.0	3263.1	3180.1	3043.0	2877.0	2767.0	2787.3	2821.1	2971.1	3176.4	2243.2
40°	3548.3	3509.0	3467.2	3446.9	3282.1	3131.5	3119.8	3128.4	3268.6	3453.0	2405.5
42.5°	3566.7	3615.3	3628.2	3710.0	3671.3	3547.7	3475.8	3477.6	3552.6	3726.6	2569.6
45°	3528.0	3483.1	3578.4	3801.6	3929.4	3987.2	3866.1	3850.8	3728.4	3885.2	2651.4
47.5°	3121.7	3134.0	3295.0	3647.9	4017.4	4275.5	4247.3	4196.2	3822.5	3879.7	2638.5
50°	2467.6	2542.0	2691.4	3130.9	3771.5	4321.0	4487.6	4369.6	3766.5	3727.2	2506.9
52.5°	1643.2	1673.9	1772.3	2339.7	3032.5	3862.4	4211.0	4238.0	3714.9	3527.4	2340.3
55°	731.5	729.1	867.4	1222.1	1902.6	2939.1	3440.7	3605.5	3516.3	3323.9	2178.0
57.5°	309.8	320.3	376.8	528.1	935.6	1773.5	2331.1	2475.6	2704.3	2729.5	1670.9
60°	209.6	210.9	226.2	264.3	391.6	833.0	1222.7	1396.1	1559.6	1548.5	886.5
62.5°	164.8	169.1	180.7	196.1	232.4	378.1	547.1	643.6	654.1	550.2	336.3
65°	140.8	141.4	153.1	166.0	182.0	220.1	263.7	268.6	271.7	261.9	247.1
67.5°	116.2	117.4	126.6	141.4	156.1	168.4	180.7	186.9	201.0	228.7	225.0
70°	92.2	94.1	102.0	114.3	127.9	135.2	150.6	156.1	169.1	190.6	199.2
72.5°	70.1	70.7	77.5	86.1	98.4	105.7	118.6	124.8	133.4	151.8	159.8
75°	50.4	52.3	57.2	61.5	63.3	68.2	80.5	87.3	99.6	107.6	108.2
77.5°	26.4	27.7	28.9	28.9	35.0	44.3	52.3	55.9	64.5	70.7	67.6
80°	10.5	11.1	14.1	19.1	24.6	32.0	37.5	39.3	46.7	50.4	52.3
82.5°	6.1	6.8	9.2	13.5	17.8	22.7	27.0	28.9	33.8	38.1	39.3
85°	3.1	3.7	5.5	8.6	11.7	14.1	13.5	12.9	12.9	12.3	12.9
87.5°	1.2	1.2	1.8	1.8	1.8	2.5	3.1	3.1	3.1	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526694

CATALOG NUMBER: GLAN-SA1C-830-U-AFL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9	1437.9
2.5°	1439.7	1415.1	1392.4	1350.6	1305.1	1292.2	1239.3	1220.3	1206.7	1190.8	1185.8
5°	1447.1	1414.5	1341.4	1257.2	1190.1	1104.1	1047.5	986.7	942.4	931.3	928.3
7.5°	1462.5	1406.5	1280.5	1153.3	1016.2	899.4	810.2	762.3	719.9	717.4	713.1
10°	1479.7	1382.6	1214.1	1014.3	839.1	730.9	677.4	656.5	646.1	643.6	642.4
12.5°	1493.8	1377.6	1139.7	879.1	713.7	648.6	632.6	630.7	635.0	636.3	638.7
15°	1500.0	1358.0	1050.0	758.0	635.6	611.7	618.4	625.8	628.9	636.9	630.7
17.5°	1511.7	1332.8	939.3	662.1	592.0	596.3	608.0	616.6	621.5	627.0	619.0
20°	1517.8	1310.0	835.4	604.9	576.6	584.6	600.6	607.4	613.5	616.0	606.8
22.5°	1512.3	1263.3	743.8	558.8	561.9	572.3	586.5	593.8	590.2	580.3	574.8
25°	1497.5	1197.5	648.6	529.3	541.0	559.4	570.5	565.0	558.2	552.7	550.8
27.5°	1496.9	1117.0	579.7	502.2	523.1	548.4	544.7	539.7	542.8	538.5	533.6
30°	1500.0	1038.9	523.1	486.9	510.2	522.5	526.8	521.9	525.6	517.6	520.1
32.5°	1484.0	962.7	486.3	469.1	494.9	494.3	508.4	512.1	503.5	486.9	489.3
35°	1490.8	901.2	454.9	461.1	477.7	477.7	488.7	484.4	461.7	451.8	454.3
37.5°	1537.5	841.0	439.5	450.0	461.1	466.0	462.3	443.8	438.3	438.3	439.5
40°	1581.7	789.3	430.3	447.5	445.7	448.8	421.7	423.6	423.6	424.2	421.1
42.5°	1621.1	754.3	422.9	432.8	435.9	419.9	403.3	401.4	405.7	405.1	402.7
45°	1635.2	725.4	412.5	416.2	418.6	392.2	384.2	380.5	385.4	387.3	389.7
47.5°	1581.1	701.4	400.8	393.4	388.5	371.3	360.9	354.1	360.2	370.7	373.1
50°	1511.7	670.1	382.4	368.2	357.8	350.4	343.0	336.3	340.6	347.9	346.1
52.5°	1409.0	620.9	359.0	344.3	326.4	328.3	321.5	317.8	320.3	320.3	318.4
55°	1262.7	510.2	319.7	309.2	294.5	299.4	300.6	295.7	290.8	295.1	291.4
57.5°	861.9	360.2	285.2	285.2	270.5	277.2	276.6	265.0	253.3	254.5	252.0
60°	498.6	287.1	263.1	260.7	245.3	250.8	252.0	244.1	226.2	227.5	225.0
62.5°	283.4	245.3	229.9	226.2	223.2	228.1	228.1	217.6	202.3	203.5	201.0
65°	241.0	227.5	205.3	204.7	203.5	204.7	199.8	188.7	175.2	169.7	170.3
67.5°	218.8	210.2	188.7	183.2	179.5	178.9	169.7	159.2	153.1	148.2	147.5
70°	191.8	185.0	169.1	161.7	158.0	149.4	140.2	133.4	124.8	122.3	124.8
72.5°	151.8	151.2	145.1	137.1	129.1	122.3	114.3	105.1	97.1	95.3	91.0
75°	105.1	106.4	107.6	106.4	99.6	91.0	81.8	74.4	64.5	59.0	57.8
77.5°	68.9	70.7	72.5	70.1	65.8	57.8	51.6	42.4	35.0	30.7	30.1
80°	50.4	52.9	54.1	52.3	47.3	41.2	34.4	27.0	21.5	17.8	17.8
82.5°	38.7	41.2	42.4	39.3	34.4	29.5	24.6	19.1	14.8	11.7	11.1
85°	13.5	12.9	15.4	16.0	19.1	17.8	14.8	11.1	8.6	6.1	5.5
87.5°	3.7	3.7	4.3	4.3	3.7	3.1	3.1	3.1	2.5	1.8	1.8
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)