

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: McGRAW-EDISON

Report Number: P526211

Luminaire Tested: **GALN-SA1A-827-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526211
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: McGRAW-EDISON
Catalog Number: GALN-SA1A-827-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2007 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

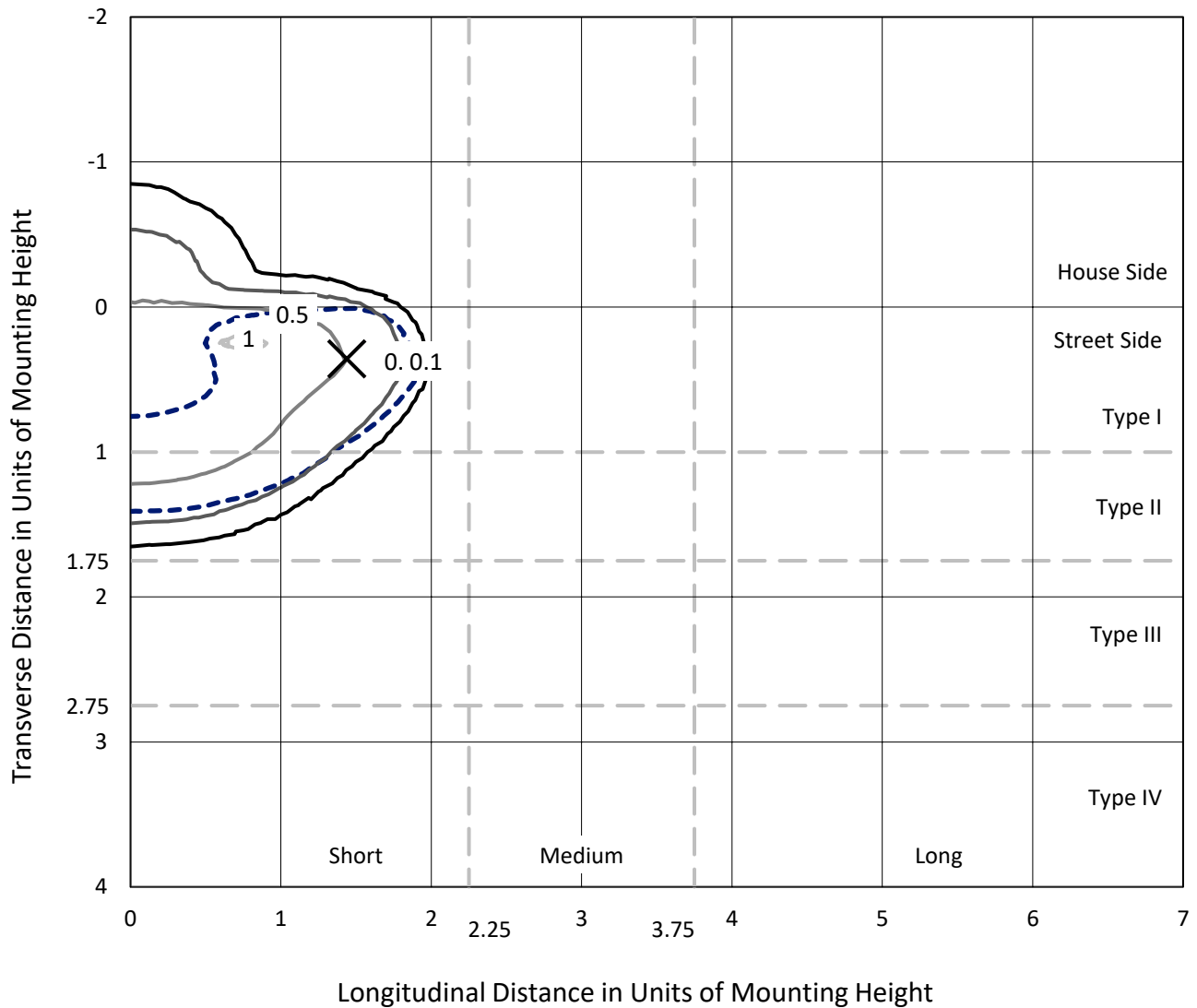
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

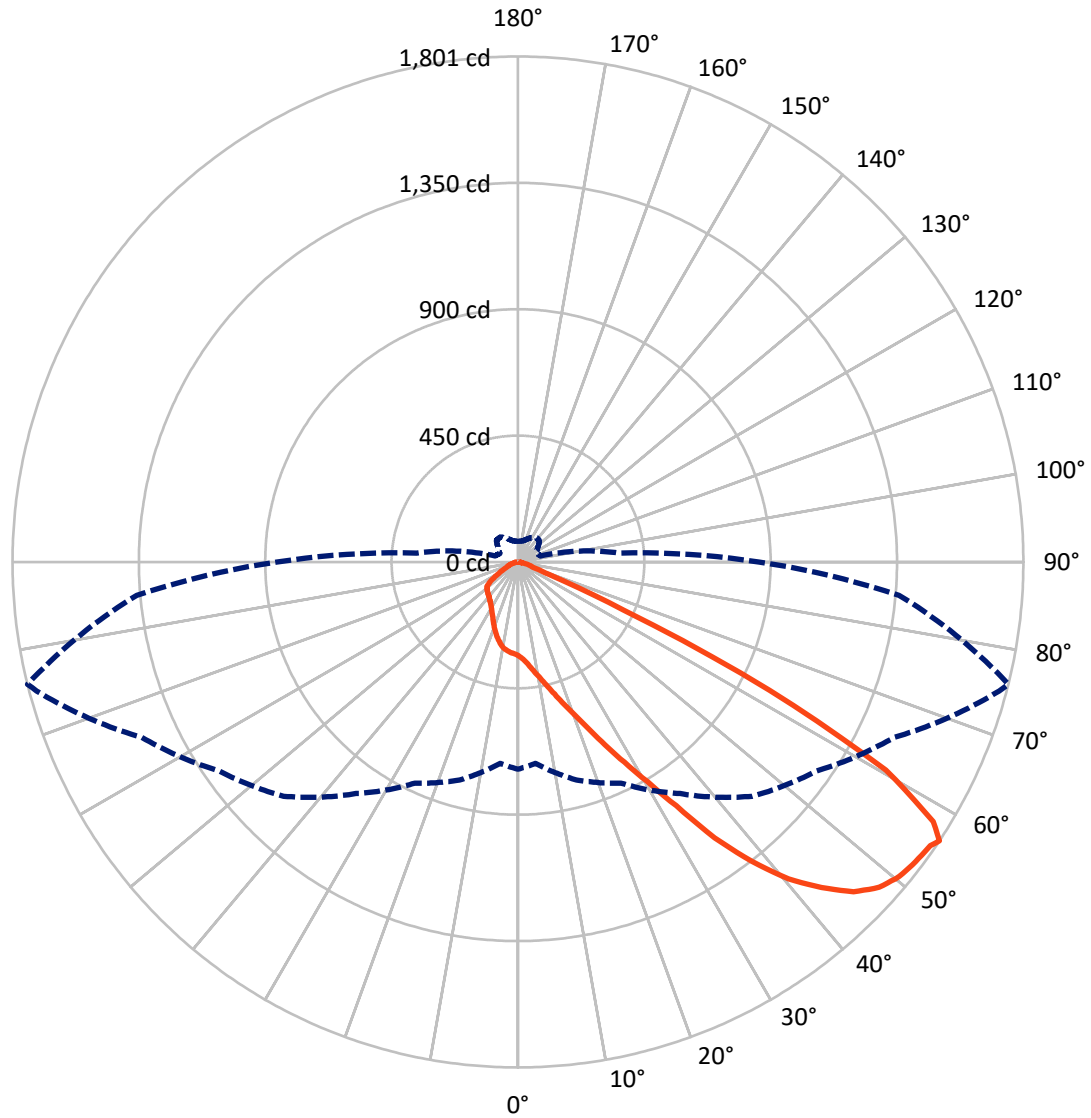
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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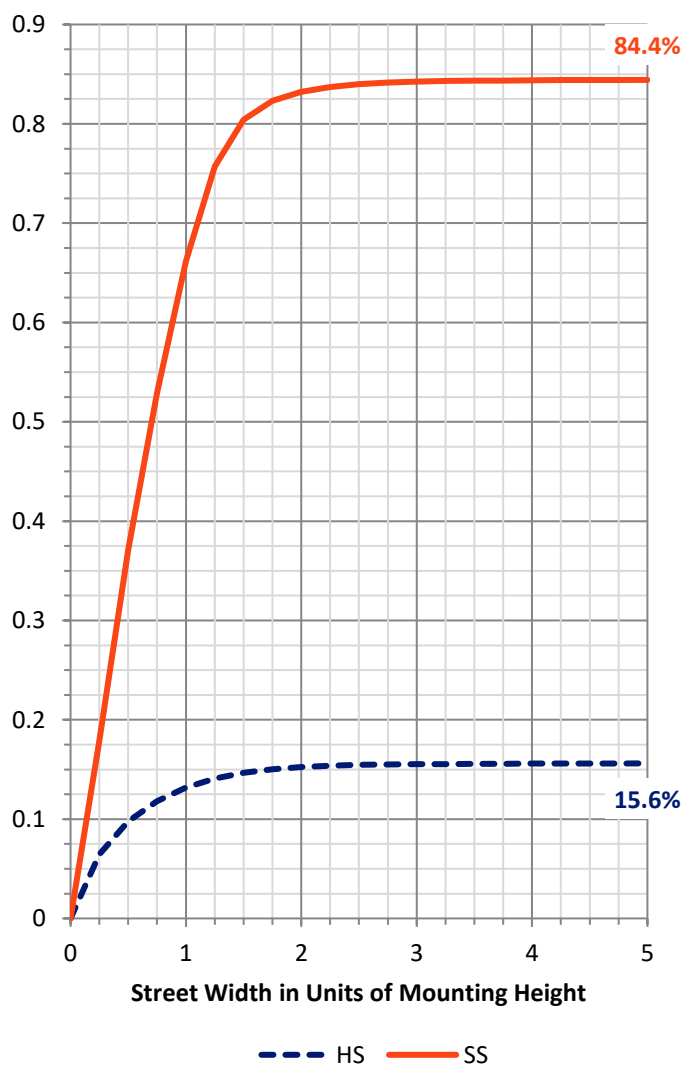
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.3	0.0	315.3
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	1691.7	0.0	1691.7
	% Fixture	84.3	0.0	84.3
Total	Lumens	2007.0	0.0	2007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.7	1.7
10°-20°	108.1	5.4
20°-30°	196.0	9.8
30°-40°	338.1	16.8
40°-50°	549.2	27.4
50°-60°	578.9	28.8
60°-70°	176.9	8.8
70°-80°	22.7	1.1
80°-90°	3.4	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°	2007.0	100.0
0°-180°	2007.0	100.0

Coefficient of Utilization

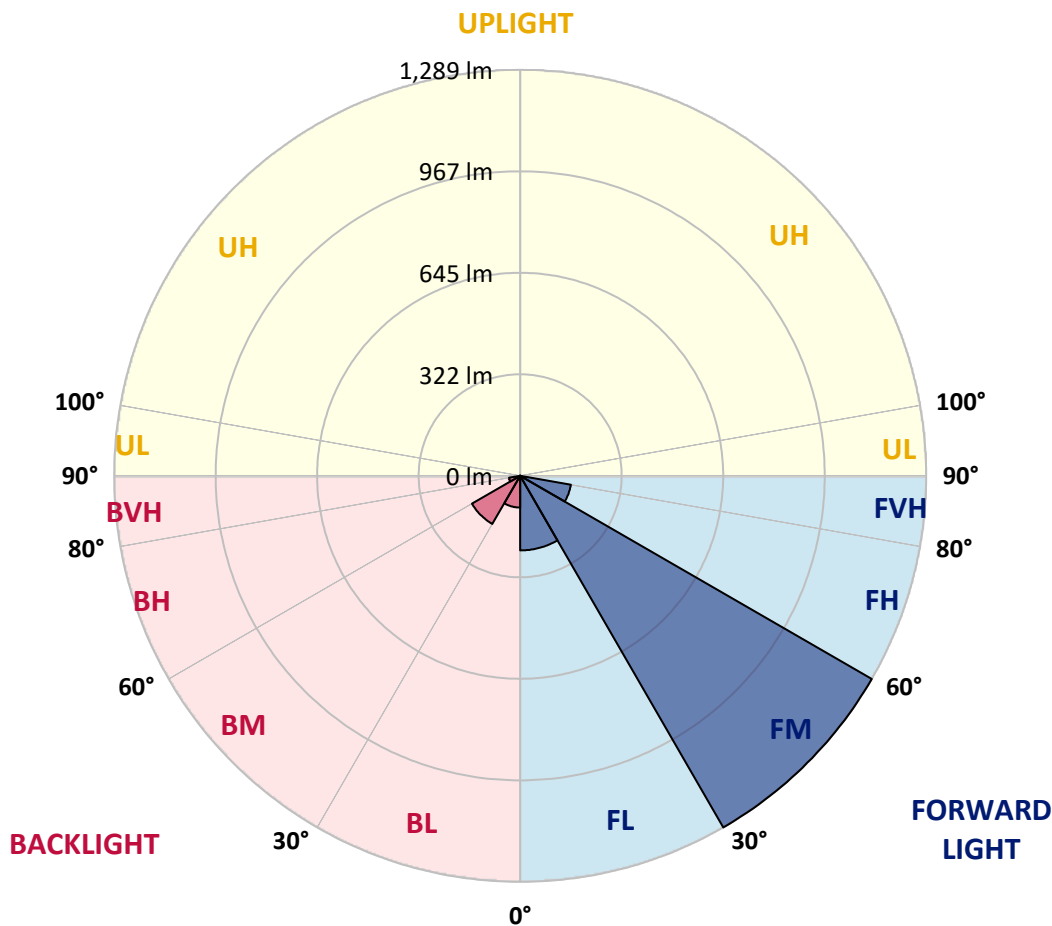


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.9	11.8			
FM (30°-60°)	1289.5	64.3			
FH (60°-80°)	163.6	8.2			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	100.9	5.0	B0/110		
BM (30°-60°)	176.7	8.8	B0/220		
BH (60°-80°)	36.0	1.8	B0/110		G0/110
BVH (80°-90°)	1.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	384.8	375.9	376.2	375.5	374.4	370.3	358.1	356.3	348.1	345.9	338.5
5°	431.0	423.2	427.7	421.0	414.7	411.0	391.0	381.8	368.8	364.0	353.7
7.5°	459.9	456.2	454.7	455.0	449.1	439.9	431.0	410.6	393.3	389.6	367.7
10°	473.9	471.7	473.9	472.8	475.4	476.5	461.0	448.8	423.2	416.9	382.9
12.5°	477.2	481.7	483.5	488.3	494.6	505.4	504.2	487.6	453.6	449.5	406.2
15°	485.4	489.1	487.2	495.0	506.8	525.0	534.6	532.0	495.4	488.0	433.2
17.5°	492.8	486.1	492.4	507.9	519.8	547.5	570.8	581.6	540.9	532.4	458.0
20°	502.8	500.9	499.8	507.6	528.7	565.7	611.9	631.5	591.9	583.0	493.5
22.5°	533.1	533.5	532.7	521.3	536.4	578.2	647.8	696.3	653.0	645.6	533.8
25°	573.1	568.2	564.5	555.3	553.5	589.7	684.0	775.4	726.2	721.0	577.5
27.5°	615.2	615.2	604.1	595.6	583.8	618.2	717.3	852.4	814.6	807.6	615.6
30°	661.1	663.7	662.2	644.1	636.7	649.3	751.4	950.8	916.0	907.1	678.5
32.5°	728.8	723.3	729.5	714.4	692.6	703.7	805.0	1038.8	1047.7	1035.1	761.0
35°	818.3	815.0	810.9	786.2	760.3	769.1	880.9	1147.2	1213.1	1206.8	844.2
37.5°	898.6	896.8	893.4	876.4	846.5	857.2	967.1	1260.1	1374.4	1353.7	961.9
40°	983.0	993.0	982.2	967.1	939.7	963.4	1068.4	1327.0	1510.2	1485.0	1051.8
42.5°	1097.3	1089.5	1094.3	1066.6	1051.8	1077.7	1170.2	1394.0	1615.6	1585.6	1147.2
45°	1219.0	1219.4	1206.4	1197.5	1159.1	1187.2	1232.7	1431.0	1699.6	1676.3	1219.4
47.5°	1297.1	1296.7	1310.7	1324.8	1285.2	1257.5	1275.2	1466.1	1742.9	1732.1	1245.6
50°	1284.8	1288.5	1306.7	1359.2	1379.9	1342.6	1315.2	1455.8	1762.5	1761.3	1268.2
52.5°	1117.6	1129.8	1160.2	1236.0	1340.3	1386.6	1357.0	1475.0	1772.1	1773.9	1301.9
55°	850.9	857.6	915.3	1007.4	1122.8	1281.1	1340.3	1490.2	1779.5	1782.8	1342.6
56°	738.1	720.3	803.5	869.0	1007.0	1180.2	1298.2	1478.3	1775.0	1800.6	1362.9
57.5°	557.2	545.3	612.6	694.4	827.2	1010.0	1167.2	1422.5	1745.1	1744.7	1333.7
60°	338.9	327.0	378.8	426.9	501.3	621.9	788.7	1132.8	1475.4	1506.5	1079.9
62.5°	201.6	209.0	260.1	289.3	313.4	325.9	408.1	673.3	984.4	1006.6	670.0
65°	134.3	136.9	175.4	223.5	234.2	186.5	166.1	272.7	426.9	413.2	276.4
67.5°	82.9	88.8	117.6	168.0	186.1	136.1	78.8	101.7	117.6	117.6	79.9
70°	50.3	53.3	78.4	114.3	127.6	87.7	57.3	57.3	56.6	55.5	47.7
72.5°	24.0	25.9	40.0	58.8	59.9	46.2	44.4	48.5	47.4	47.0	39.6
75°	10.4	11.1	14.1	18.5	21.1	19.6	27.0	34.8	35.9	34.8	28.5
77.5°	3.3	3.7	5.2	6.7	7.0	8.5	11.5	14.4	16.6	15.5	14.1
80°	0.4	0.7	1.5	3.3	5.2	6.7	8.5	9.6	10.7	10.7	10.0
82.5°	0.4	0.4	1.5	3.0	4.8	6.3	8.1	9.2	10.7	11.1	10.4
85°	0.0	0.4	1.1	2.6	4.1	4.1	3.7	3.7	2.6	2.6	2.6
87.5°	0.0	0.0	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7
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°	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1	334.1
2.5°	337.0	336.3	326.3	320.0	316.7	310.0	306.0	303.0	300.8	298.2	298.6
5°	341.5	338.9	322.2	310.8	297.1	289.7	283.4	278.2	274.9	274.1	272.7
7.5°	354.0	340.4	315.2	294.5	277.1	269.7	264.1	260.8	262.3	259.0	261.6
10°	363.7	343.3	306.7	276.7	259.3	253.8	250.8	253.4	257.1	255.6	253.8
12.5°	375.5	346.3	293.0	259.7	243.4	239.4	244.5	249.3	256.7	259.7	256.0
15°	388.8	349.6	275.6	240.1	229.7	233.1	241.9	250.5	257.9	261.6	263.8
17.5°	405.1	348.5	258.6	224.6	216.8	226.4	237.1	244.9	256.0	261.6	260.1
20°	420.3	344.8	239.7	209.0	209.4	218.3	227.2	239.7	245.6	253.0	250.5
22.5°	434.7	338.1	220.1	198.3	198.3	212.0	216.4	224.6	229.7	233.4	233.1
25°	455.0	325.6	203.8	187.9	192.4	201.3	205.0	207.5	205.3	208.3	208.7
27.5°	469.5	312.6	190.5	178.7	186.8	193.5	192.4	190.9	185.7	181.6	184.2
30°	485.0	297.4	179.1	172.4	176.8	182.8	178.3	173.9	165.7	159.1	159.5
32.5°	507.2	290.4	169.1	165.0	170.9	171.7	166.8	160.2	152.1	145.8	145.4
35°	548.6	286.0	160.6	160.2	161.3	161.7	156.9	148.7	145.4	140.2	142.1
37.5°	590.1	283.8	154.6	153.2	152.8	153.2	147.6	139.8	146.1	145.8	146.5
40°	643.0	293.7	146.1	144.3	144.7	144.7	137.6	135.4	146.5	147.6	148.0
42.5°	696.6	306.3	140.6	134.7	136.1	136.1	132.4	129.9	137.6	130.2	129.1
45°	743.2	324.8	134.7	125.0	128.7	130.6	129.5	125.0	120.2	107.7	107.7
47.5°	758.4	341.1	127.6	115.8	118.8	126.9	123.6	114.3	105.8	95.4	94.7
50°	785.0	358.9	122.1	105.1	111.4	121.3	118.0	108.8	99.1	91.7	92.1
52.5°	812.4	379.2	111.7	92.5	100.3	116.9	116.9	106.5	91.7	86.6	85.8
55°	853.5	378.5	93.2	75.8	89.5	110.2	112.1	95.4	82.1	78.1	78.1
56°	859.4	361.4	84.0	71.0	84.7	108.4	108.8	92.5	78.4	74.0	74.0
57.5°	815.0	326.3	73.6	65.1	78.8	105.1	105.4	89.9	75.5	69.2	68.4
60°	627.1	220.9	61.4	58.1	71.4	94.7	96.6	81.8	66.2	61.4	61.0
62.5°	354.0	122.5	54.0	52.5	61.4	80.6	86.2	71.4	56.2	53.6	54.4
65°	161.7	67.3	45.5	42.5	49.6	62.2	69.6	58.8	46.2	43.3	43.3
67.5°	59.2	45.9	38.8	33.7	34.8	40.3	45.1	38.1	30.7	26.3	27.4
70°	42.2	38.5	34.0	29.2	27.0	26.3	25.9	21.5	15.2	11.8	12.6
72.5°	34.0	31.8	28.5	24.8	21.1	17.8	15.2	11.1	7.0	4.8	4.4
75°	24.4	23.3	20.7	17.8	14.8	12.6	10.4	7.0	3.7	1.8	1.8
77.5°	12.6	12.6	12.2	11.1	9.2	7.4	5.9	4.1	2.2	0.7	0.7
80°	9.6	10.4	10.7	9.6	8.5	6.7	4.8	3.0	1.5	0.4	0.4
82.5°	9.2	10.7	11.5	10.0	8.5	6.3	4.8	3.0	1.5	0.4	0.4
85°	2.2	2.2	3.3	3.7	4.8	5.2	4.1	2.6	1.1	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	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)