

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: P526503

Luminaire Tested: **GALN-SA1C-722-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-722-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3181 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

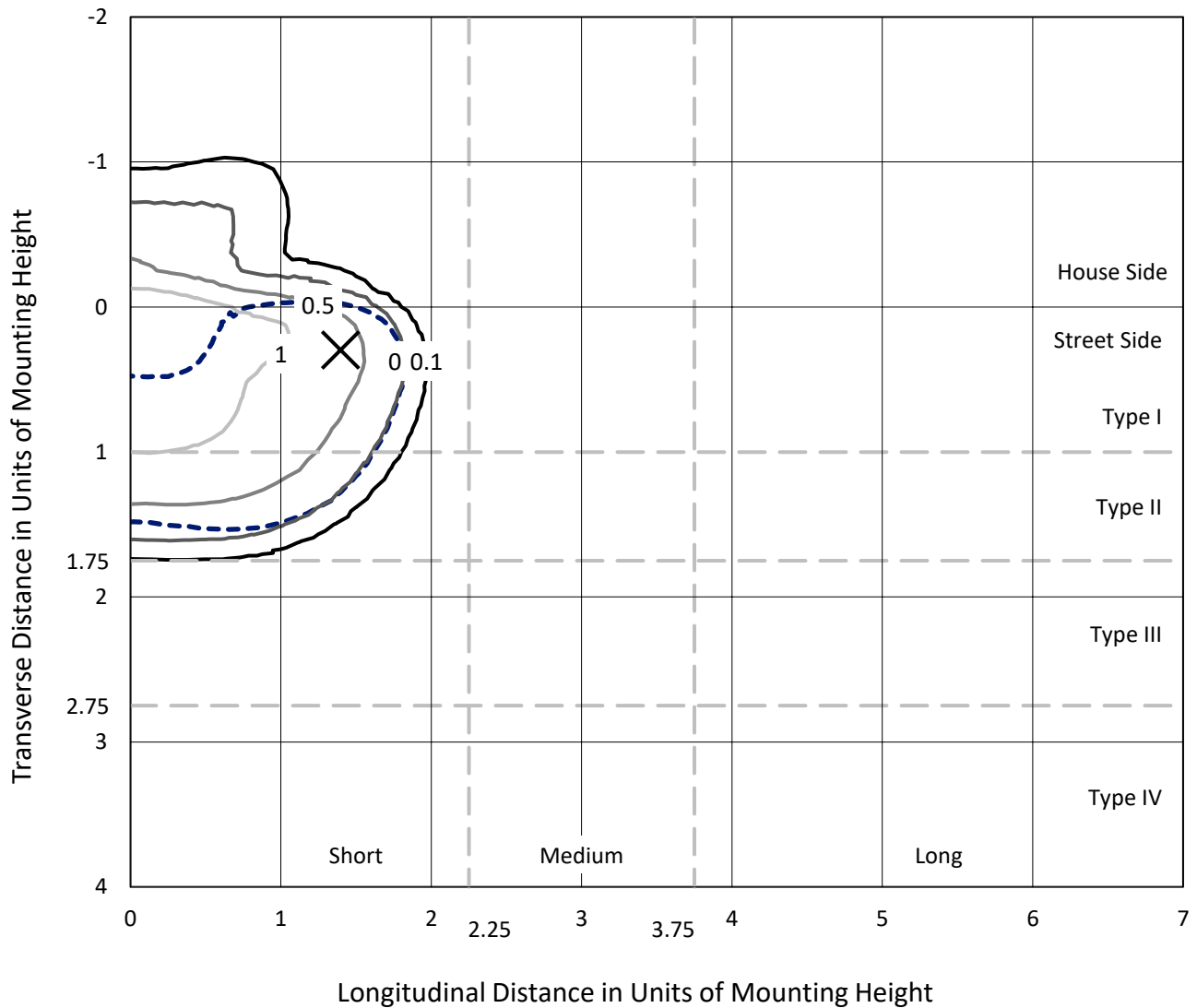
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

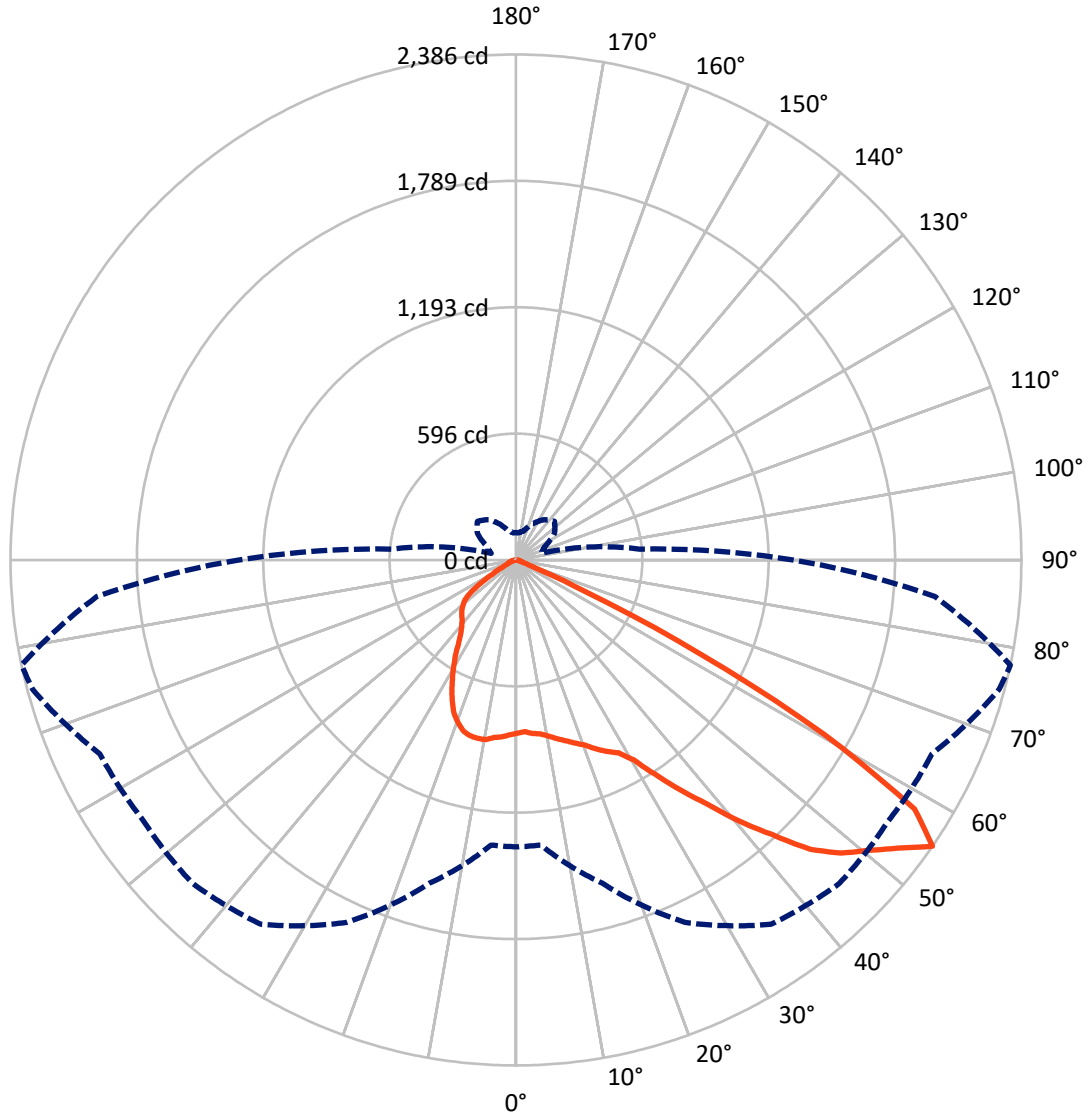
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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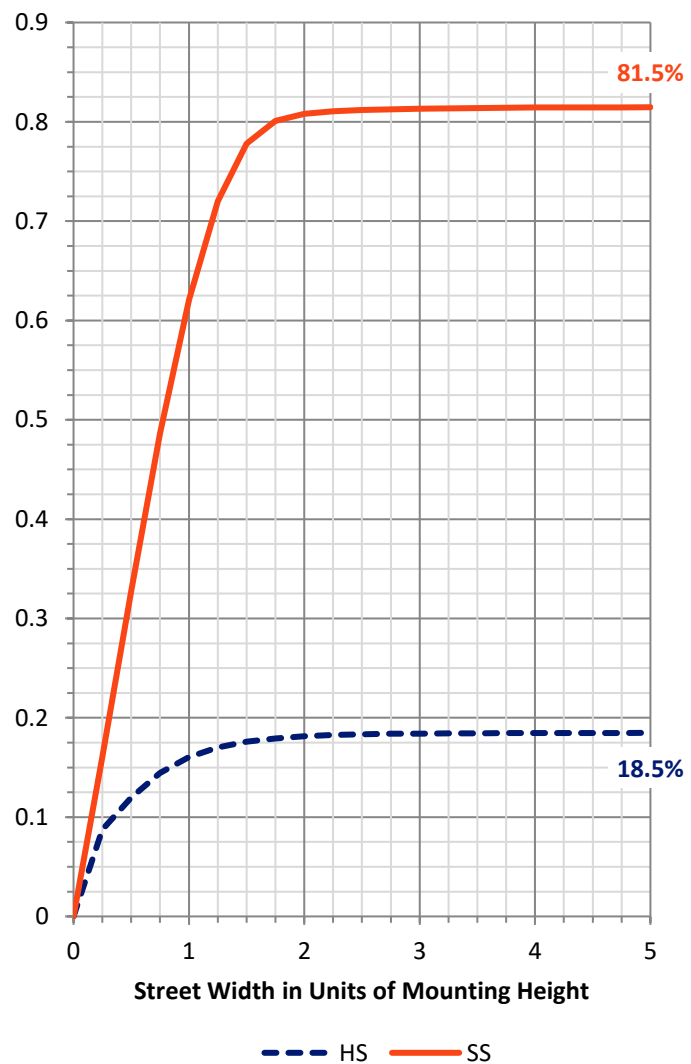
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.8	0.0	590.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	2590.2	0.0	2590.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	3181.0	0.0	3181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	2.3
10°-20°	193.0	6.1
20°-30°	338.3	10.6
30°-40°	557.8	17.5
40°-50°	811.7	25.5
50°-60°	919.7	28.9
60°-70°	263.0	8.3
70°-80°	20.4	0.6
80°-90°	4.2	0.1
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°	3181.0	100.0
0°-180°	3181.0	100.0

Coefficient of Utilization



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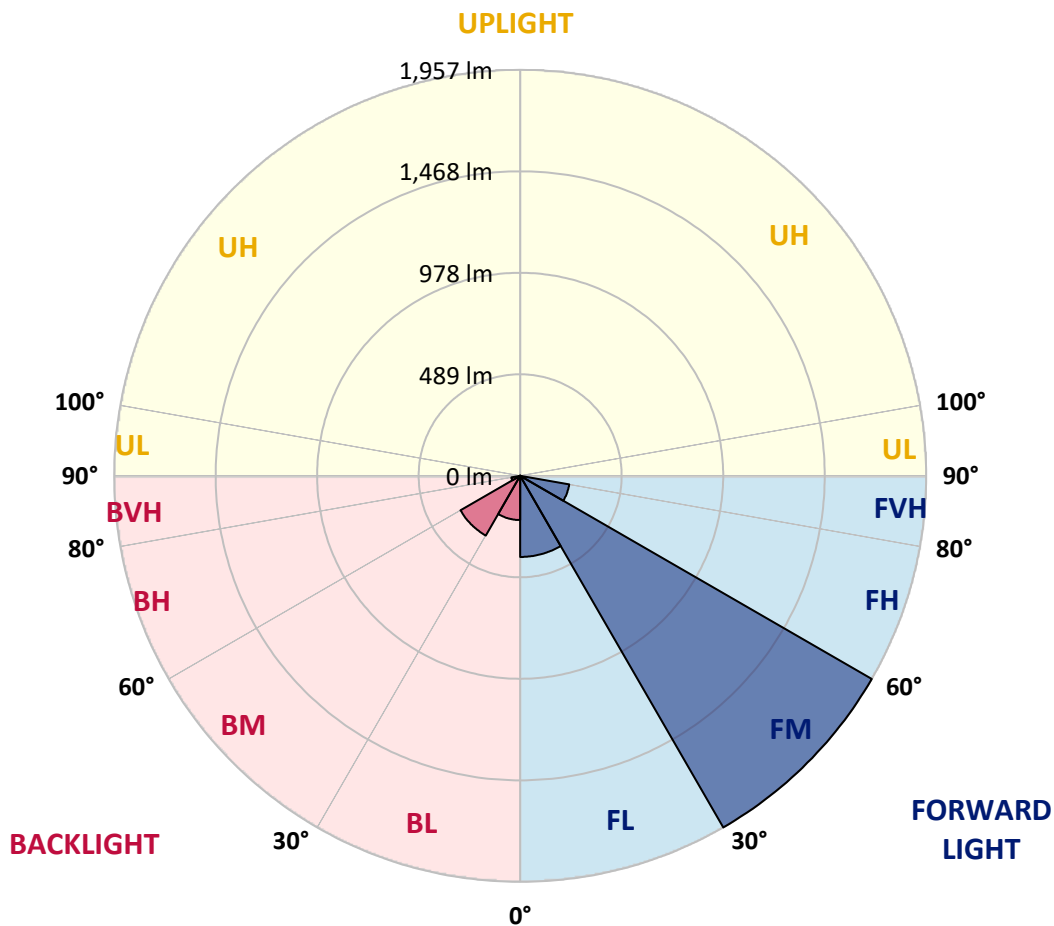
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.0	12.3			
FM (30°-60°)	1956.8	61.5			
FH (60°-80°)	240.3	7.6			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	213.2	6.7	B1/500		
BM (30°-60°)	332.4	10.4	B1/1000		
BH (60°-80°)	43.1	1.4	B0/110		G0/110
BVH (80°-90°)	2.2	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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8
2.5°	768.9	776.3	777.5	786.6	786.0	801.3	805.9	806.5	816.7	811.6	824.7
5°	747.3	743.3	741.6	757.6	762.1	775.8	787.1	794.0	815.0	822.4	836.0
7.5°	728.0	728.0	729.1	743.3	741.6	759.3	771.2	792.2	823.0	829.2	845.7
10°	709.2	702.4	710.9	725.7	738.2	746.2	771.2	791.1	826.9	845.1	867.9
12.5°	699.5	703.0	704.1	714.9	728.5	752.4	766.1	799.1	855.4	866.2	890.6
15°	760.4	753.6	737.1	727.4	738.8	750.2	784.3	817.8	870.2	885.5	912.8
17.5°	830.9	825.2	811.6	785.4	759.8	780.9	807.6	838.3	886.1	908.8	949.2
20°	923.1	914.0	900.3	849.1	826.9	804.2	832.6	869.0	912.2	932.7	974.2
22.5°	1032.8	1032.8	1002.1	940.1	894.0	872.4	884.4	905.4	941.3	969.1	1010.1
25°	1147.1	1143.7	1115.9	1051.6	973.7	948.1	961.7	976.5	986.2	1001.5	1028.8
27.5°	1277.9	1258.0	1222.8	1151.7	1082.9	1033.4	1048.2	1035.1	1023.1	1031.1	1070.4
30°	1366.7	1379.2	1334.2	1266.0	1201.2	1146.0	1148.8	1137.5	1082.9	1094.2	1117.6
32.5°	1458.8	1466.8	1441.7	1404.2	1339.4	1275.1	1251.8	1242.1	1201.2	1206.3	1183.5
35°	1535.6	1550.9	1528.8	1512.3	1493.5	1441.7	1377.5	1408.7	1342.8	1330.3	1271.1
37.5°	1606.1	1601.6	1627.7	1610.6	1606.7	1570.3	1499.7	1506.0	1461.6	1458.8	1390.6
40°	1669.2	1670.4	1706.2	1714.2	1698.2	1633.4	1531.0	1580.5	1616.3	1619.7	1532.2
42.5°	1721.6	1736.9	1767.6	1831.9	1808.0	1699.9	1563.4	1617.5	1750.6	1771.6	1666.4
45°	1767.1	1798.3	1836.4	1893.9	1880.2	1794.4	1644.2	1693.7	1893.9	1949.0	1792.6
47.5°	1769.9	1810.8	1852.4	1937.7	1954.7	1845.0	1727.8	1814.3	2007.6	2067.3	1884.8
50°	1758.5	1780.1	1863.2	1955.9	1994.5	1927.4	1845.0	1915.5	2118.0	2155.5	1931.4
52.5°	1623.7	1640.2	1806.9	1972.9	2066.2	2020.7	2000.2	2056.5	2230.6	2258.4	1975.2
55°	1353.6	1350.7	1579.9	1887.1	2099.2	2158.9	2146.4	2166.3	2360.8	2385.8	1986.0
57.5°	925.9	977.7	1175.6	1571.4	1897.3	2126.5	2139.6	2106.6	2209.0	2218.6	1731.2
60°	499.3	521.0	680.2	1048.7	1444.6	1732.9	1767.1	1707.3	1699.4	1672.1	1235.9
62.5°	198.5	209.3	299.7	519.3	787.1	1053.3	1126.7	1102.2	1049.9	978.2	639.8
65°	94.4	101.2	149.0	242.8	349.2	439.1	512.4	535.2	394.7	355.5	211.0
67.5°	64.3	69.4	108.6	138.8	124.6	130.2	169.5	157.5	92.7	79.1	58.6
70°	48.9	52.3	87.0	94.4	55.7	39.2	43.8	40.9	38.1	38.7	38.1
72.5°	34.7	37.5	63.7	55.7	24.5	18.2	23.3	27.9	27.9	27.9	27.3
75°	21.0	23.9	37.0	21.6	9.7	9.7	14.8	18.8	19.9	20.5	19.3
77.5°	10.8	13.6	12.5	6.3	6.3	7.4	10.8	13.1	14.2	14.2	13.6
80°	2.3	2.3	2.3	3.4	6.3	8.0	10.8	11.9	13.6	13.6	12.5
82.5°	0.0	0.6	1.7	3.4	5.7	7.4	10.2	11.9	13.6	14.2	13.1
85°	0.0	0.6	1.1	2.3	4.0	4.5	4.0	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1
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°	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8
2.5°	825.8	827.5	824.7	824.1	821.8	828.6	812.1	808.2	818.4	808.7	811.0
5°	836.6	840.6	835.5	826.9	814.4	795.1	778.6	757.0	746.7	739.4	738.2
7.5°	844.6	847.4	842.3	815.0	777.5	728.5	692.1	665.4	644.4	638.1	627.9
10°	877.0	877.6	852.0	791.7	718.3	654.0	598.3	557.4	536.3	523.2	517.5
12.5°	898.6	897.5	845.7	745.6	647.8	562.5	498.8	449.3	430.0	423.7	419.7
15°	925.9	919.6	830.9	698.4	556.8	464.7	407.2	373.1	371.4	367.4	371.4
17.5°	947.5	929.9	809.3	612.5	469.8	382.8	345.2	347.5	352.0	356.0	356.6
20°	982.8	946.4	759.8	537.5	389.0	328.2	327.6	337.8	349.2	353.8	358.3
22.5°	1009.5	953.2	706.9	457.3	323.0	306.0	315.6	331.0	339.5	344.1	350.9
25°	1019.2	934.4	636.4	377.1	291.2	295.7	310.5	320.8	331.6	336.7	333.8
27.5°	1028.8	924.8	552.2	310.5	274.1	288.9	301.4	311.7	315.1	321.9	326.5
30°	1052.2	891.2	476.6	268.4	265.6	284.4	293.5	296.9	306.0	310.0	310.0
32.5°	1070.9	878.1	396.4	248.5	264.5	286.6	287.8	287.8	288.9	286.1	284.9
35°	1109.6	833.2	324.7	236.6	263.9	287.2	290.1	280.4	254.2	244.0	241.1
37.5°	1157.4	804.2	271.9	233.7	267.9	294.0	298.6	262.2	228.1	211.6	208.7
40°	1215.4	783.7	237.2	232.6	277.0	310.0	296.3	248.0	203.6	179.7	178.6
42.5°	1283.1	764.9	213.8	232.0	288.3	326.5	294.0	236.0	178.6	162.7	164.9
45°	1337.1	754.7	197.9	228.1	292.3	336.1	295.7	215.0	168.3	158.1	159.2
47.5°	1379.2	733.1	184.8	221.2	291.8	339.5	280.4	206.4	163.2	166.1	168.9
50°	1380.3	704.1	168.3	206.4	283.2	333.3	262.8	198.5	162.1	174.0	179.7
52.5°	1365.0	663.1	150.7	185.4	263.3	311.7	246.8	195.1	157.0	155.8	162.7
55°	1310.4	586.4	121.1	150.1	222.4	257.1	232.6	188.8	141.6	128.5	129.7
57.5°	1059.0	420.3	89.3	107.5	157.5	188.3	209.9	186.0	127.4	109.2	109.8
60°	655.7	238.3	65.4	73.4	97.3	114.3	170.1	172.9	113.7	92.1	91.0
62.5°	336.7	117.7	50.6	51.8	59.7	67.1	116.6	145.0	102.9	87.6	87.6
65°	112.6	58.0	44.4	39.8	39.8	41.5	70.5	100.7	87.0	73.4	73.4
67.5°	48.3	43.2	38.7	34.7	31.8	30.1	39.8	58.6	64.8	55.7	53.5
70°	37.5	36.4	33.6	29.0	25.0	22.7	23.3	30.1	37.0	35.8	34.7
72.5°	27.9	27.9	26.7	22.7	19.3	16.5	15.4	15.9	17.6	18.2	18.8
75°	19.3	19.9	19.9	17.6	14.2	11.9	10.2	8.5	6.8	5.7	5.1
77.5°	13.1	13.6	14.8	13.1	10.8	8.0	6.3	4.5	2.8	1.1	1.1
80°	11.4	13.1	14.2	13.1	11.4	8.5	6.3	3.4	1.7	0.0	0.0
82.5°	11.9	13.1	14.8	12.5	10.8	8.0	6.3	4.0	1.7	0.6	0.0
85°	2.8	2.8	3.4	4.0	5.1	5.7	4.5	2.8	1.7	0.6	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	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)