

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: P526398

Luminaire Tested: **GALN-SA1B-750-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-750-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909 lumens
Efficiency: N/A
Efficacy: 111.6 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

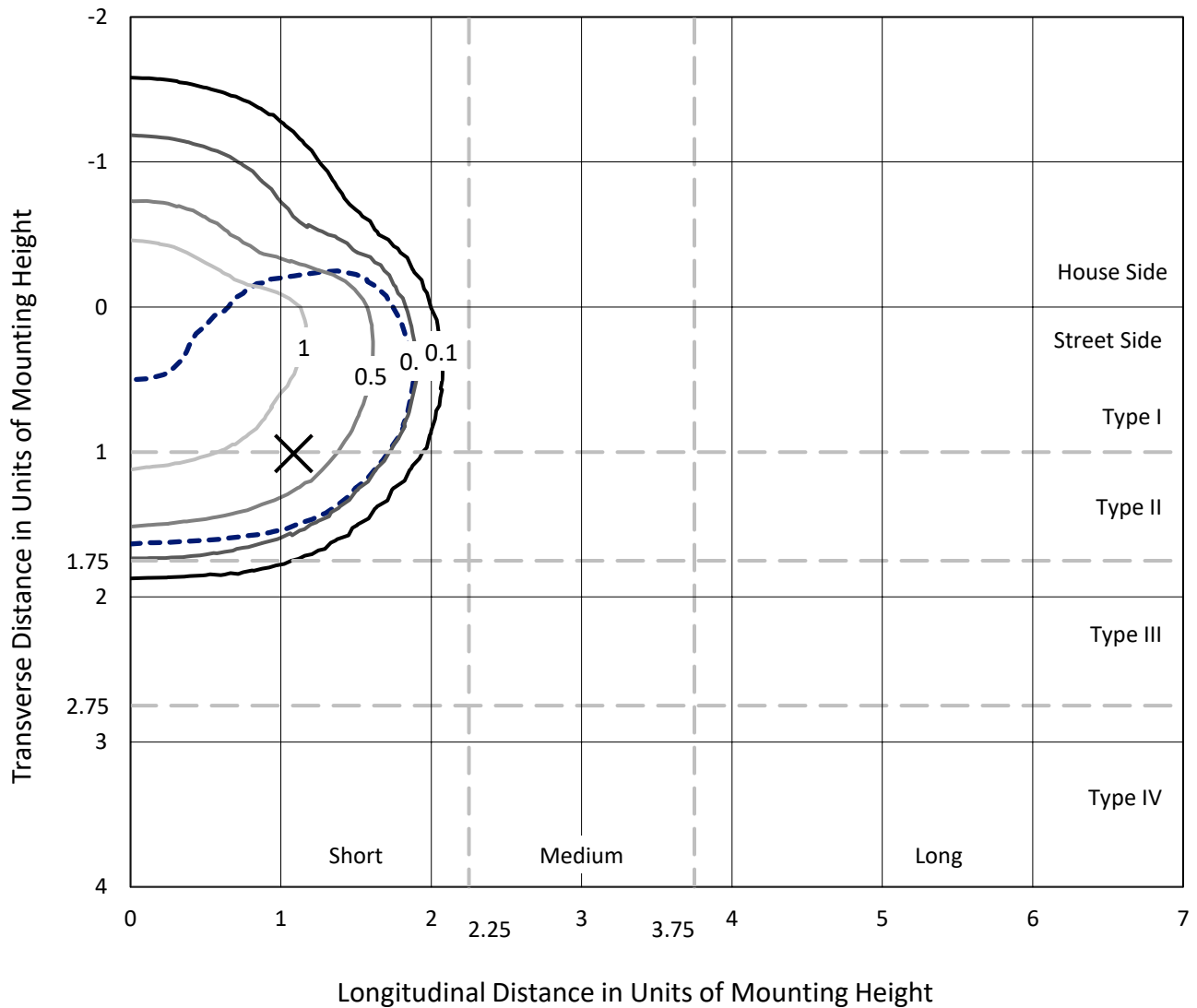
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

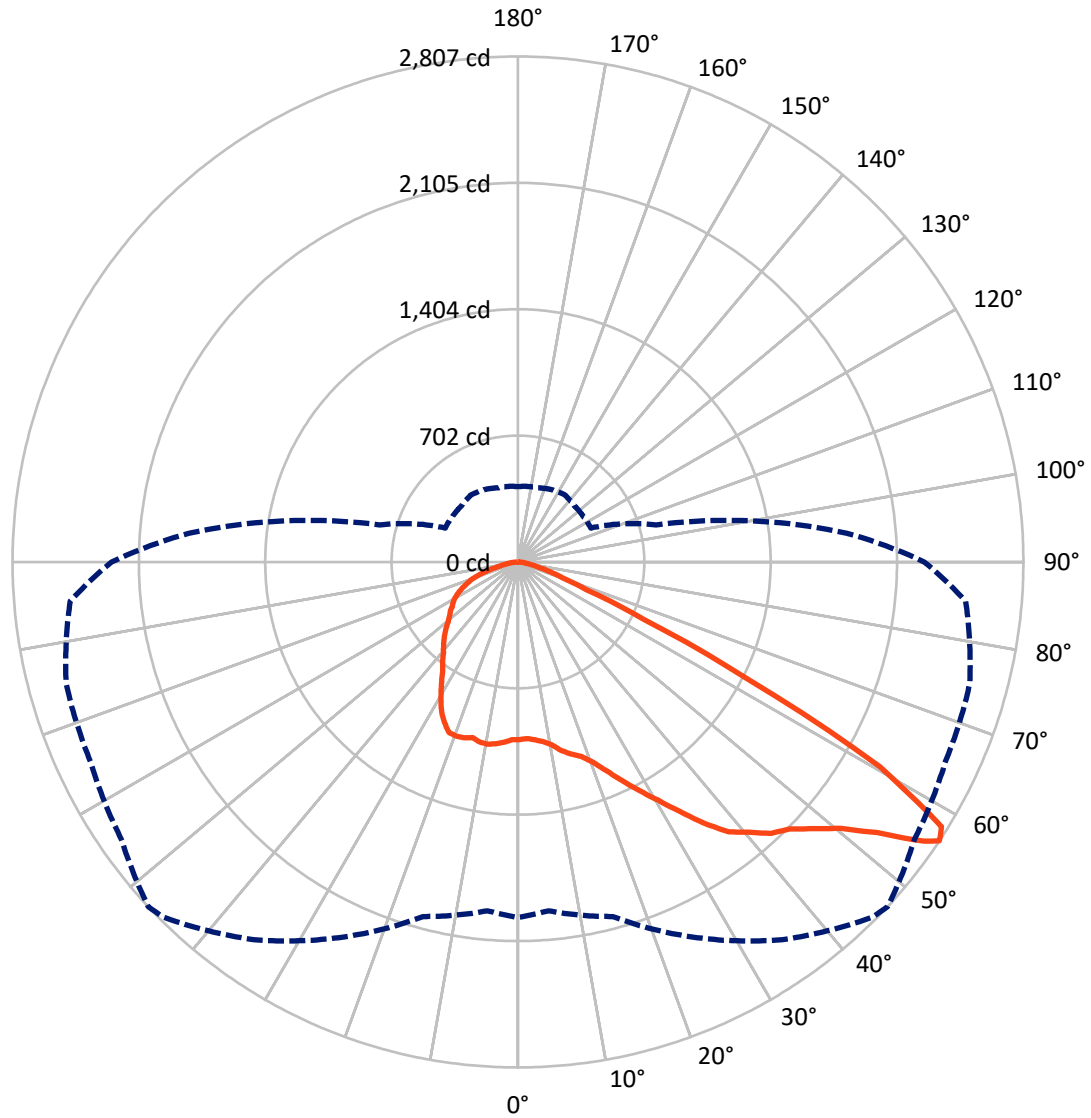
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1555.6	0.0	1555.6
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	3353.4	0.0	3353.4
	% Fixture	68.3	0.0	68.3
Total	Lumens	4909.0	0.0	4909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	2.0
10°-20°	303.1	6.2
20°-30°	535.8	10.9
30°-40°	804.7	16.4
40°-50°	1104.4	22.5
50°-60°	1315.7	26.8
60°-70°	563.1	11.5
70°-80°	159.3	3.2
80°-90°	26.8	0.5
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°	4909.0	100.0
0°-180°	4909.0	100.0

Coefficient of Utilization

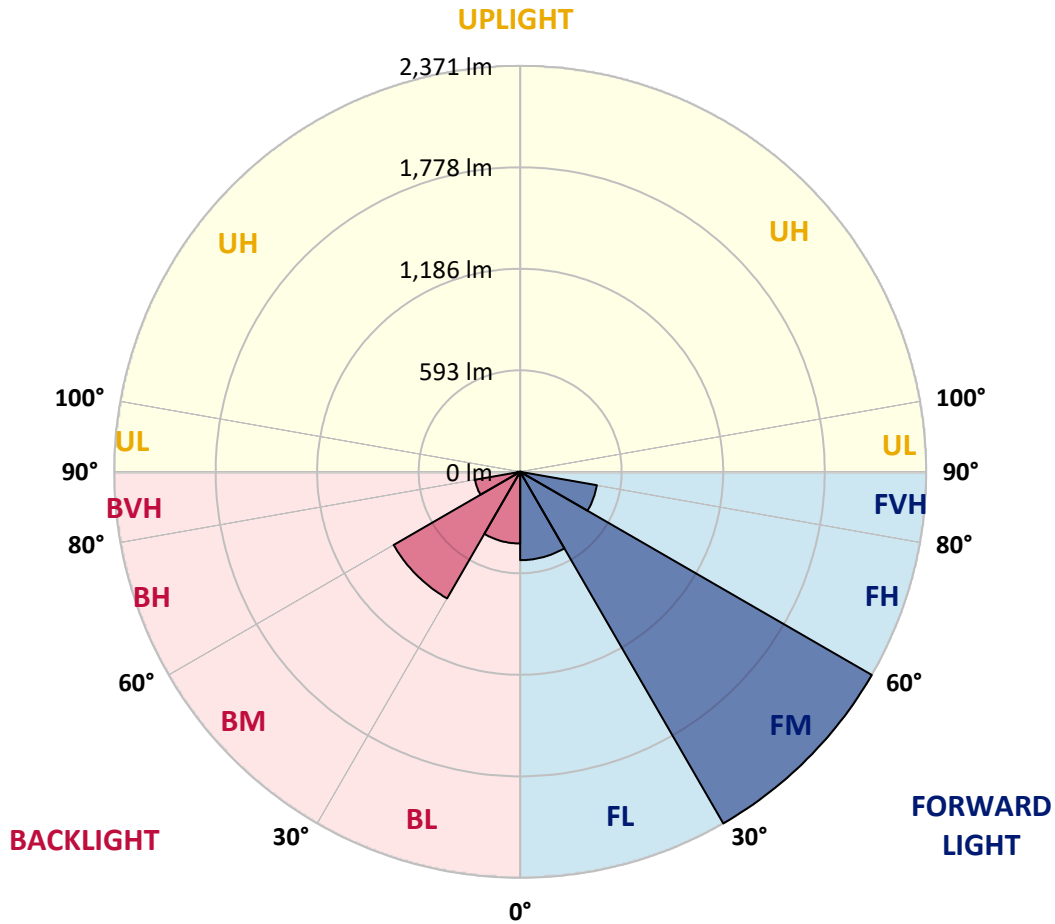


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.1	10.5			
FM (30°-60°)	2371.2	48.3			
FH (60°-80°)	454.8	9.3			G0/660
FVH (80°-90°)	11.4	0.2			G1/100
BL (0°-30°)	418.8	8.5	B1/500		
BM (30°-60°)	853.7	17.4	B1/1000		
BH (60°-80°)	267.6	5.5	B1/500		G1/500
BVH (80°-90°)	15.4	0.3			G1/100
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°	47°	55°	65°	75°	85°
0°	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1
2.5°	982.3	980.4	979.2	989.2	985.4	986.1	982.3	986.1	988.6	982.9	991.1
5°	980.4	986.1	981.1	984.2	992.3	989.8	992.3	999.8	998.0	996.1	993.6
7.5°	998.0	998.6	1002.3	1003.6	1006.1	1003.6	1007.4	1014.2	1012.4	1001.7	1003.0
10°	1023.0	1024.3	1024.9	1031.8	1036.2	1036.8	1032.4	1026.1	1025.5	1039.9	1029.9
12.5°	1051.8	1048.7	1056.2	1058.7	1063.7	1069.3	1075.0	1061.8	1070.0	1070.6	1058.7
15°	1093.8	1096.9	1088.1	1088.1	1090.0	1090.6	1106.3	1100.0	1098.8	1091.9	1096.9
17.5°	1156.4	1135.1	1134.4	1125.7	1124.4	1129.4	1135.1	1140.1	1157.0	1143.2	1116.3
20°	1202.1	1207.1	1188.9	1178.3	1180.2	1191.4	1185.8	1208.3	1220.2	1197.7	1171.4
22.5°	1282.8	1265.9	1270.3	1246.5	1248.4	1260.3	1259.7	1282.8	1289.7	1254.0	1215.8
25°	1337.3	1332.9	1336.7	1317.9	1320.4	1329.8	1344.8	1383.0	1371.7	1332.3	1244.0
27.5°	1416.8	1408.0	1404.9	1398.0	1395.5	1420.6	1438.1	1478.8	1470.7	1413.1	1294.1
30°	1498.2	1492.6	1495.7	1467.5	1477.5	1530.8	1535.8	1591.5	1587.7	1486.3	1349.8
32.5°	1554.5	1557.7	1563.3	1547.7	1592.1	1634.7	1651.6	1714.8	1718.0	1612.1	1457.5
35°	1645.3	1634.7	1637.8	1656.0	1676.6	1754.3	1781.8	1823.8	1850.1	1744.2	1560.8
37.5°	1702.3	1713.6	1700.4	1729.2	1783.1	1876.3	1901.4	1944.6	1972.1	1874.5	1701.7
40°	1791.2	1773.0	1782.4	1803.1	1858.2	1979.7	1972.8	2017.2	2026.0	1985.3	1833.1
42.5°	1887.0	1878.2	1865.1	1912.0	1958.4	2046.6	2060.4	2039.8	2084.2	2093.6	2021.0
45°	2001.6	2012.2	2014.1	2015.3	2056.0	2133.0	2114.3	2096.1	2147.4	2215.7	2137.4
47.5°	2108.0	2074.2	2098.6	2132.4	2190.0	2190.6	2212.6	2169.4	2223.8	2284.5	2242.6
50°	2143.7	2127.4	2160.0	2223.8	2312.7	2322.1	2324.6	2263.3	2291.4	2339.6	2278.9
52.5°	2129.9	2124.3	2207.5	2306.5	2436.7	2484.3	2496.8	2421.0	2436.7	2414.8	2359.1
55°	2064.2	2081.1	2165.0	2366.6	2566.3	2713.4	2737.2	2641.4	2541.9	2558.8	2497.4
56°	1974.0	1944.6	2038.5	2298.3	2560.6	2787.9	2807.3	2687.7	2620.1	2598.2	2496.2
57.5°	1674.8	1636.6	1759.9	2067.9	2418.5	2759.7	2774.1	2707.2	2607.0	2562.5	2314.0
60°	980.4	999.2	1155.7	1426.2	1865.7	2262.6	2310.8	2359.7	2292.7	2093.6	1722.3
62.5°	473.3	461.4	573.5	817.7	1137.0	1444.4	1430.0	1567.1	1642.2	1487.6	1087.5
65°	247.9	246.7	313.0	446.4	624.8	758.8	772.0	845.8	949.1	766.3	552.2
67.5°	182.2	187.2	220.4	313.7	401.9	410.1	408.2	445.1	455.2	385.0	339.3
70°	142.7	145.2	169.7	238.5	299.3	268.0	262.3	266.7	296.1	308.7	293.6
72.5°	103.3	105.8	126.5	160.9	187.2	182.8	186.6	211.0	247.3	260.4	244.8
75°	68.9	70.7	82.0	98.3	110.8	119.6	126.5	154.6	188.4	196.0	188.4
77.5°	47.6	49.5	57.0	69.5	70.7	76.4	78.9	92.0	112.7	122.1	117.1
80°	26.9	26.9	30.7	35.7	43.8	51.3	52.6	63.2	72.6	78.9	80.1
82.5°	12.5	13.1	16.3	21.9	28.8	35.7	36.9	43.8	50.7	57.0	58.9
85°	6.3	6.9	9.4	13.1	17.5	21.3	20.7	21.3	22.5	21.3	21.9
87.5°	1.9	1.9	2.5	3.1	2.5	3.1	3.1	3.8	4.4	5.0	5.6
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°	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1	986.1
2.5°	991.7	993.6	981.1	993.0	988.6	987.9	996.7	995.5	998.6	997.3	989.8
5°	992.3	987.9	1001.1	989.2	994.8	1006.7	998.6	1017.4	1008.0	1014.2	1000.5
7.5°	1011.7	1013.0	1010.5	1015.5	1013.0	1018.6	1014.2	1018.6	1011.1	1011.7	1024.3
10°	1028.6	1024.9	1029.3	1023.0	1027.4	1025.5	1015.5	1012.4	1014.9	1011.7	1019.9
12.5°	1059.9	1053.1	1049.9	1042.4	1037.4	1018.6	1003.0	994.2	1006.1	1008.0	1004.2
15°	1091.9	1092.5	1078.1	1061.2	1029.9	1001.7	1005.5	1008.6	1008.6	1013.6	1004.2
17.5°	1111.9	1111.9	1098.8	1065.0	1033.0	1016.7	1013.0	1003.0	994.2	993.0	992.3
20°	1147.0	1136.3	1106.3	1064.3	1031.8	1024.3	996.1	972.3	954.1	947.9	947.3
22.5°	1187.0	1160.1	1118.2	1065.6	1029.9	1019.3	966.7	931.0	898.4	884.6	886.5
25°	1224.0	1180.8	1125.1	1059.9	1023.0	971.7	912.8	863.4	829.6	818.3	812.6
27.5°	1249.6	1202.7	1125.1	1065.0	997.3	918.5	858.3	795.1	765.7	758.2	759.4
30°	1284.1	1230.2	1144.5	1054.3	946.0	849.6	777.6	736.3	718.7	712.5	716.9
32.5°	1364.8	1302.2	1171.4	1028.6	885.3	780.7	722.5	699.3	673.7	661.1	656.8
35°	1452.5	1370.5	1197.7	985.4	817.0	718.1	681.8	660.5	629.8	616.1	618.6
37.5°	1576.5	1458.1	1199.6	914.1	743.2	683.0	649.9	616.7	591.6	570.4	564.1
40°	1743.6	1577.7	1195.2	838.9	683.7	641.7	617.3	576.0	547.8	532.8	535.9
42.5°	1890.7	1718.0	1177.0	753.8	629.8	613.6	586.0	545.3	517.8	502.1	500.9
45°	2014.7	1821.3	1142.6	681.2	584.8	582.3	550.3	519.0	497.1	482.7	489.0
47.5°	2129.3	1904.5	1090.6	608.5	543.4	548.4	517.8	498.4	484.6	471.4	470.8
50°	2170.6	1903.3	1044.9	548.4	510.3	507.7	506.5	485.8	471.4	460.2	465.2
52.5°	2239.5	1924.6	995.5	507.1	480.2	480.8	485.2	470.2	453.9	447.0	453.3
55°	2338.4	1927.7	886.5	458.9	455.2	459.5	459.5	449.5	435.7	430.1	427.0
56°	2257.6	1834.4	795.1	446.4	442.6	442.6	454.5	443.3	426.4	422.0	418.2
57.5°	2082.3	1607.1	665.5	431.4	425.7	434.5	440.8	428.9	413.2	406.9	410.7
60°	1436.2	1087.5	500.2	398.8	398.8	413.2	418.2	400.7	393.8	393.2	388.2
62.5°	838.3	633.6	391.3	369.4	370.6	382.5	386.3	376.3	367.5	378.1	383.2
65°	444.5	378.1	335.6	338.1	338.7	348.1	364.4	363.7	363.1	366.3	366.9
67.5°	321.8	314.3	304.9	302.4	303.6	310.5	326.8	339.3	338.7	331.2	325.6
70°	286.7	276.1	270.5	271.1	266.1	274.2	287.4	295.5	281.1	272.3	268.6
72.5°	238.5	235.4	231.6	232.3	222.3	220.4	205.4	205.4	201.6	199.1	203.5
75°	182.2	180.9	182.8	179.7	169.0	157.8	149.0	140.9	128.3	123.3	120.8
77.5°	115.2	119.0	123.3	116.5	112.1	103.9	95.2	87.0	77.0	71.4	71.4
80°	78.3	81.4	84.5	83.3	78.3	70.7	63.9	55.1	48.2	43.8	43.2
82.5°	59.5	62.0	66.4	61.4	56.3	50.1	44.5	38.2	31.9	26.9	26.9
85°	21.3	24.4	26.9	29.4	31.3	31.9	27.5	22.5	18.2	14.4	13.8
87.5°	5.6	6.3	6.9	6.3	6.3	6.3	6.9	6.3	5.6	4.4	4.4
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)