

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: P526553

Luminaire Tested: **GALN-SA1C-730-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-730-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3869 lumens
Efficiency: N/A
Efficacy: 67.9 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

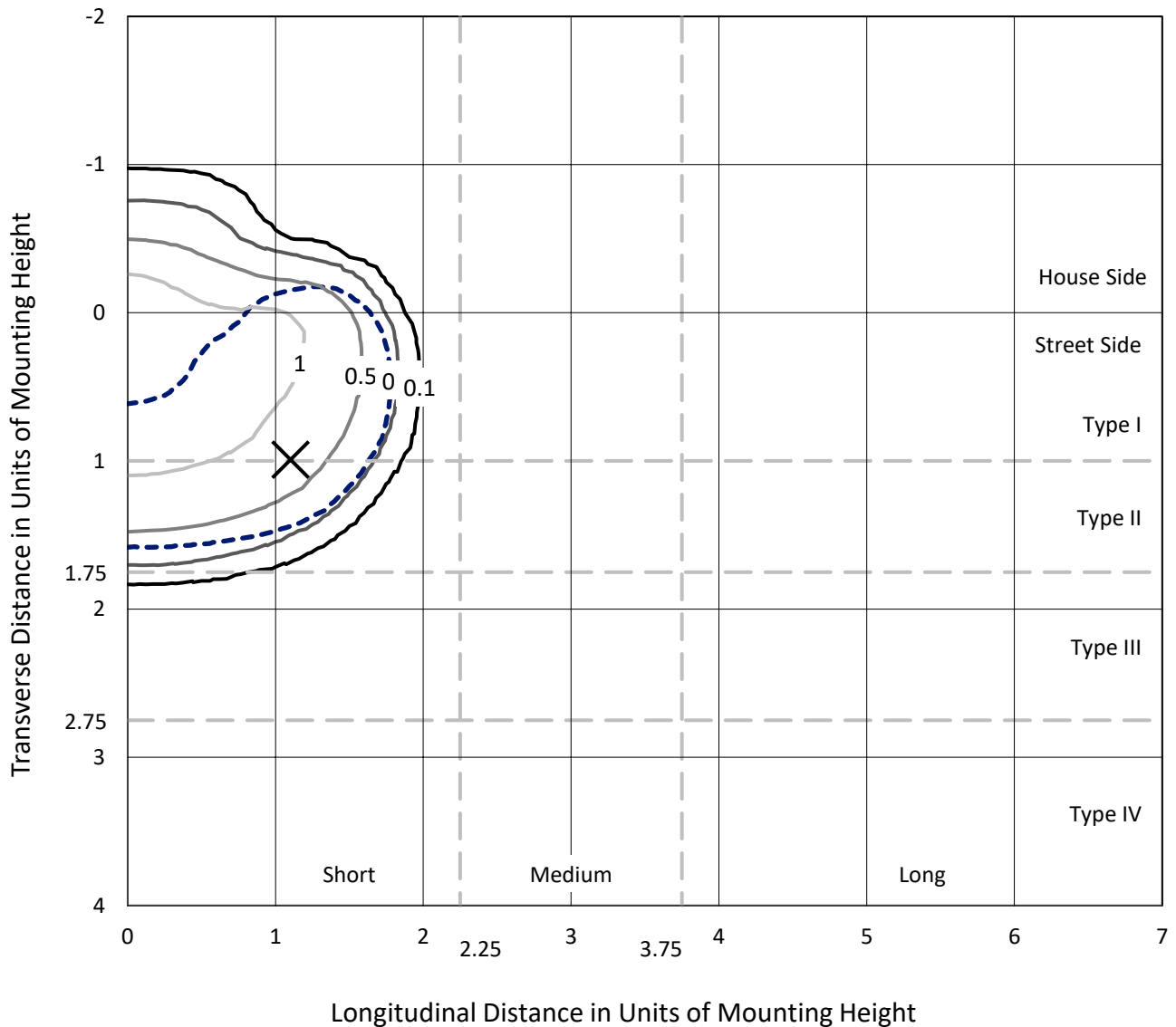
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

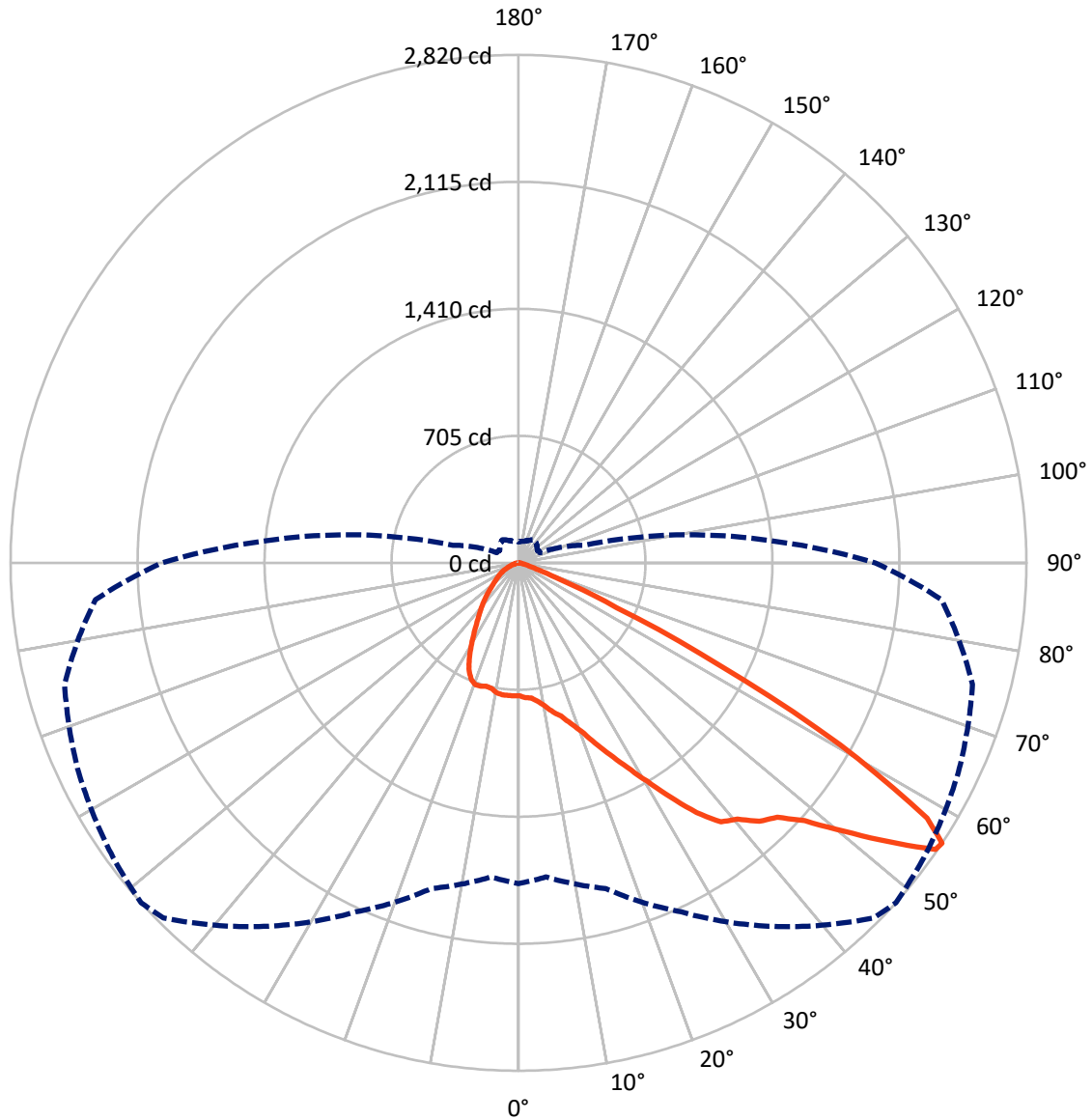
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.4	0.0	841.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3027.6	0.0	3027.6
	% Fixture	78.3	0.0	78.3
Total	Lumens	3869.0	0.0	3869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.9
10°-20°	230.1	5.9
20°-30°	417.3	10.8
30°-40°	655.4	16.9
40°-50°	956.2	24.7
50°-60°	1152.0	29.8
60°-70°	337.3	8.7
70°-80°	42.8	1.1
80°-90°	6.0	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°	3869.0	100.0
0°-180°	3869.0	100.0

Coefficient of Utilization

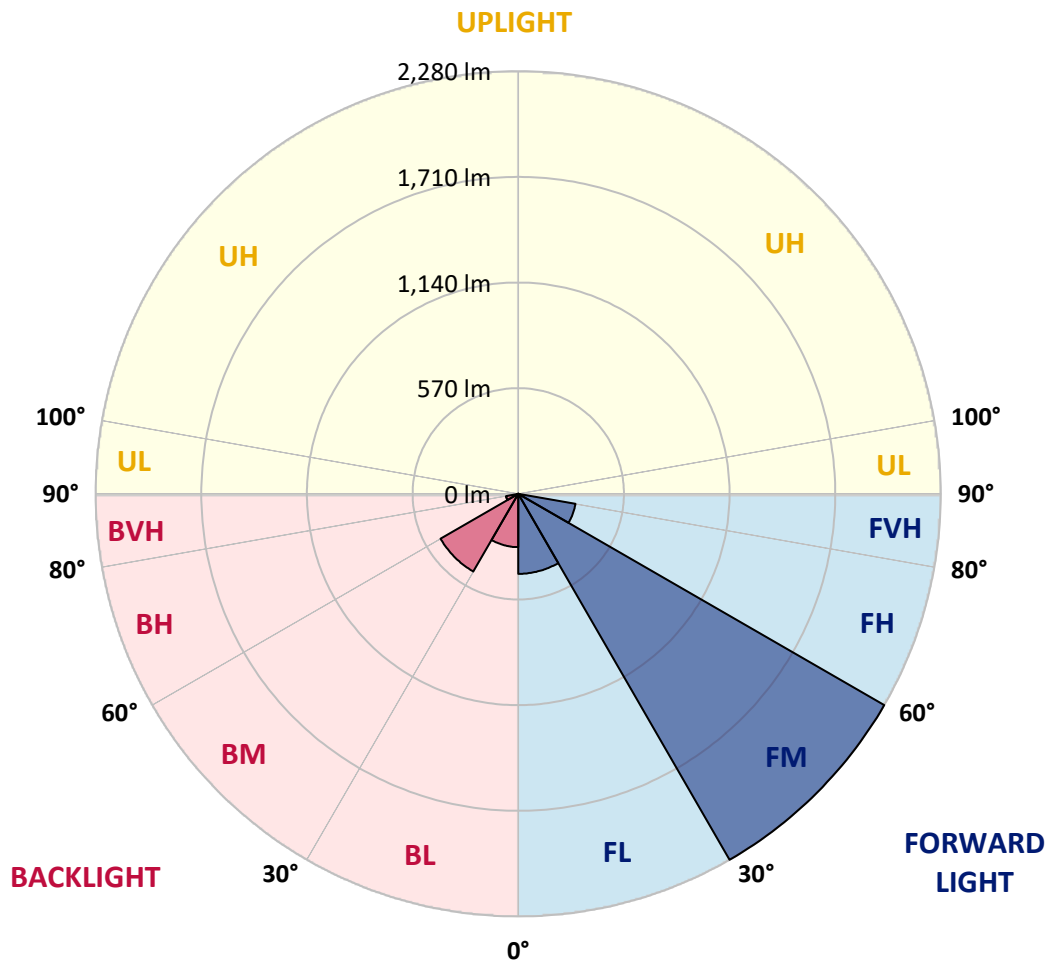


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.7	11.2			
FM (30°-60°)	2279.6	58.9			
FH (60°-80°)	313.2	8.1			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	287.6	7.4	B1/500		
BM (30°-60°)	484.0	12.5	B1/1000		
BH (60°-80°)	66.9	1.7	B0/110		G0/110
BVH (80°-90°)	3.0	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°	48°	55°	65°	75°	85°
0°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	752.4	748.8	748.8	743.2	749.5	746.7	748.8	741.8	748.8	738.3	746.7
5°	755.9	756.6	753.8	757.3	757.3	761.5	754.5	760.8	764.3	756.6	753.1
7.5°	774.2	775.6	774.9	772.1	777.7	777.0	776.3	771.4	772.8	770.0	765.8
10°	810.1	809.4	812.9	805.9	801.7	806.6	808.0	800.3	794.6	792.5	779.1
12.5°	862.3	853.8	848.9	841.8	843.9	836.9	849.6	836.2	833.4	820.7	807.3
15°	904.5	903.1	903.8	892.6	879.9	882.7	882.7	875.6	871.4	855.9	836.9
17.5°	991.2	961.6	967.9	953.8	943.3	942.6	936.2	937.6	926.4	894.0	865.1
20°	1058.8	1046.1	1036.3	1012.3	996.1	1001.0	998.2	991.2	987.7	945.4	904.5
22.5°	1119.4	1123.6	1107.4	1101.1	1078.5	1080.6	1086.3	1079.9	1053.2	1009.5	948.9
25°	1204.6	1199.7	1177.9	1170.1	1149.0	1156.7	1178.6	1173.6	1156.7	1077.8	983.4
27.5°	1305.4	1288.5	1292.7	1257.5	1237.0	1258.9	1284.9	1309.6	1261.7	1158.1	1024.3
30°	1376.5	1358.9	1357.5	1356.1	1351.2	1376.5	1406.8	1429.4	1390.6	1238.4	1091.9
32.5°	1411.7	1416.0	1427.9	1423.7	1466.7	1518.8	1550.5	1582.9	1534.3	1369.5	1181.4
35°	1505.4	1478.7	1505.4	1508.3	1552.6	1663.2	1703.4	1780.9	1768.9	1554.7	1290.6
37.5°	1560.4	1558.3	1561.8	1588.6	1631.5	1768.2	1825.3	1885.1	1862.6	1666.1	1426.5
40°	1651.3	1656.9	1656.2	1676.6	1723.8	1847.1	1870.3	1919.0	1921.1	1820.3	1626.6
42.5°	1797.1	1774.5	1759.7	1780.9	1847.1	1915.4	1961.9	1952.1	2021.8	2007.7	1883.7
45°	1928.1	1941.5	1919.7	1954.9	1978.8	2015.5	2014.1	2035.2	2124.0	2190.9	2077.5
47.5°	2050.7	2059.1	2069.7	2093.7	2145.8	2151.4	2139.5	2130.3	2252.9	2321.9	2227.5
50°	2124.0	2131.7	2181.0	2224.0	2321.2	2333.9	2340.9	2317.7	2400.8	2408.6	2369.1
52.5°	2104.2	2112.7	2181.7	2323.3	2478.3	2594.5	2573.4	2533.9	2529.0	2559.3	2500.1
55°	1929.5	1921.8	2016.9	2237.4	2527.6	2806.6	2809.4	2767.8	2688.2	2667.8	2480.4
56°	1780.9	1750.6	1871.8	2138.0	2464.2	2788.3	2820.0	2775.6	2700.9	2609.3	2358.5
57.5°	1458.9	1487.8	1608.3	1828.8	2245.1	2656.5	2674.8	2664.3	2607.9	2454.3	2075.3
60°	804.5	855.2	961.6	1231.4	1598.4	2038.7	2053.5	2139.5	2150.0	1879.5	1427.9
62.5°	341.7	336.0	446.6	645.3	910.2	1230.7	1258.2	1346.2	1362.4	1083.5	716.4
65°	138.8	146.5	202.2	324.8	481.1	560.8	599.5	628.4	681.9	447.3	264.2
67.5°	91.6	90.9	119.1	185.3	259.2	250.1	250.1	264.2	244.4	182.5	114.1
70°	65.5	67.6	85.2	128.2	161.3	119.8	114.8	109.9	124.7	120.5	92.3
72.5°	43.0	45.8	57.1	76.8	83.8	65.5	65.5	78.9	102.9	97.2	75.4
75°	28.2	28.9	35.2	44.4	41.6	33.8	37.3	52.8	74.7	71.9	53.5
77.5°	19.0	19.7	24.0	28.9	23.2	19.0	20.4	26.8	36.6	36.6	28.2
80°	7.0	7.7	9.9	9.2	10.6	13.4	14.8	18.3	21.8	21.8	19.0
82.5°	0.0	0.7	2.1	4.9	7.7	10.6	12.0	14.1	16.2	18.3	17.6
85°	0.0	0.7	2.1	3.5	5.6	6.3	7.0	4.9	4.2	4.2	3.5
87.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4	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°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	739.0	738.3	738.3	736.2	740.4	738.3	739.7	739.0	729.8	736.9	731.9
5°	746.7	751.7	743.9	742.5	736.9	739.0	739.0	731.9	738.3	737.6	736.2
7.5°	766.5	758.0	749.5	741.1	739.7	737.6	729.8	727.0	731.9	726.3	734.8
10°	774.9	776.3	763.6	752.4	741.8	727.0	716.4	710.1	702.3	710.8	715.7
12.5°	813.7	799.6	777.7	760.1	724.2	709.4	698.8	696.0	709.4	712.2	707.3
15°	827.0	824.9	796.7	757.3	720.0	702.3	704.5	698.8	700.2	693.2	694.6
17.5°	854.5	830.6	797.5	748.1	719.3	715.0	702.3	679.8	667.1	661.5	666.4
20°	884.8	861.6	813.7	751.7	725.6	714.3	672.8	645.3	619.2	605.1	605.8
22.5°	911.6	882.7	806.6	753.1	731.2	684.7	634.7	580.5	548.1	526.2	526.9
25°	944.0	903.1	809.4	755.9	716.4	637.5	565.7	512.8	474.1	459.3	464.2
27.5°	962.3	915.8	824.9	762.2	677.7	570.6	493.1	443.8	421.3	414.2	413.5
30°	1017.2	944.0	843.9	749.5	612.9	498.8	426.9	396.6	374.8	368.4	369.8
32.5°	1099.0	995.4	868.6	716.4	546.7	434.7	383.9	361.4	341.0	329.0	327.6
35°	1167.3	1083.5	894.7	665.0	469.9	385.3	353.6	325.5	294.5	281.1	277.6
37.5°	1297.6	1182.8	889.0	587.5	396.6	348.7	321.2	286.7	259.9	241.6	239.5
40°	1470.9	1299.0	861.6	493.1	342.4	316.3	286.7	253.6	220.5	205.0	203.6
42.5°	1681.6	1441.3	811.5	397.3	288.1	283.9	257.1	219.1	189.5	178.2	178.9
45°	1852.7	1563.2	760.8	319.1	248.0	252.2	229.0	193.0	172.6	163.4	163.4
47.5°	2004.9	1645.6	705.9	263.5	210.6	220.5	200.1	178.9	161.3	154.3	152.9
50°	2151.4	1729.5	650.9	213.5	179.6	189.5	187.4	170.5	156.4	147.9	148.6
52.5°	2243.0	1742.8	581.2	174.7	157.1	168.4	175.4	159.9	144.4	139.5	138.1
55°	2131.0	1570.2	450.9	143.7	133.1	147.9	161.3	143.7	131.7	123.3	122.6
56°	1980.2	1404.0	376.9	132.4	126.1	142.3	156.4	137.4	124.0	119.1	115.5
57.5°	1676.6	1149.0	278.3	117.6	116.9	132.4	148.6	131.0	115.5	111.3	111.3
60°	1045.4	646.7	168.4	98.6	101.4	117.6	133.8	116.9	102.9	102.9	105.0
62.5°	476.2	269.1	102.1	83.8	87.4	101.4	119.1	105.7	97.9	105.7	107.1
65°	162.0	116.2	74.0	66.9	69.0	83.8	102.1	107.1	106.4	111.3	114.1
67.5°	90.9	74.7	62.0	55.7	54.2	62.0	83.8	107.1	102.9	100.7	102.1
70°	76.8	63.4	54.9	49.3	47.2	50.0	64.8	81.0	72.6	70.4	69.0
72.5°	62.0	52.8	47.9	44.4	38.0	32.4	29.6	31.0	34.5	36.6	40.2
75°	43.7	40.2	40.2	35.9	27.5	20.4	16.2	13.4	9.2	6.3	7.0
77.5°	24.7	24.7	25.4	21.8	17.6	13.4	9.9	7.0	3.5	1.4	0.7
80°	16.9	18.3	19.7	17.6	14.8	12.0	8.5	4.9	2.1	0.0	0.0
82.5°	16.9	19.0	20.4	17.6	14.8	11.3	8.5	4.9	2.1	0.7	0.0
85°	3.5	4.2	4.9	5.6	8.5	8.5	6.3	4.2	2.1	0.7	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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)