

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: P200667

Luminaire Tested: **GWC-AF-01-LED-E1-T3-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24140)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-T3-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3418 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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: 25 FT



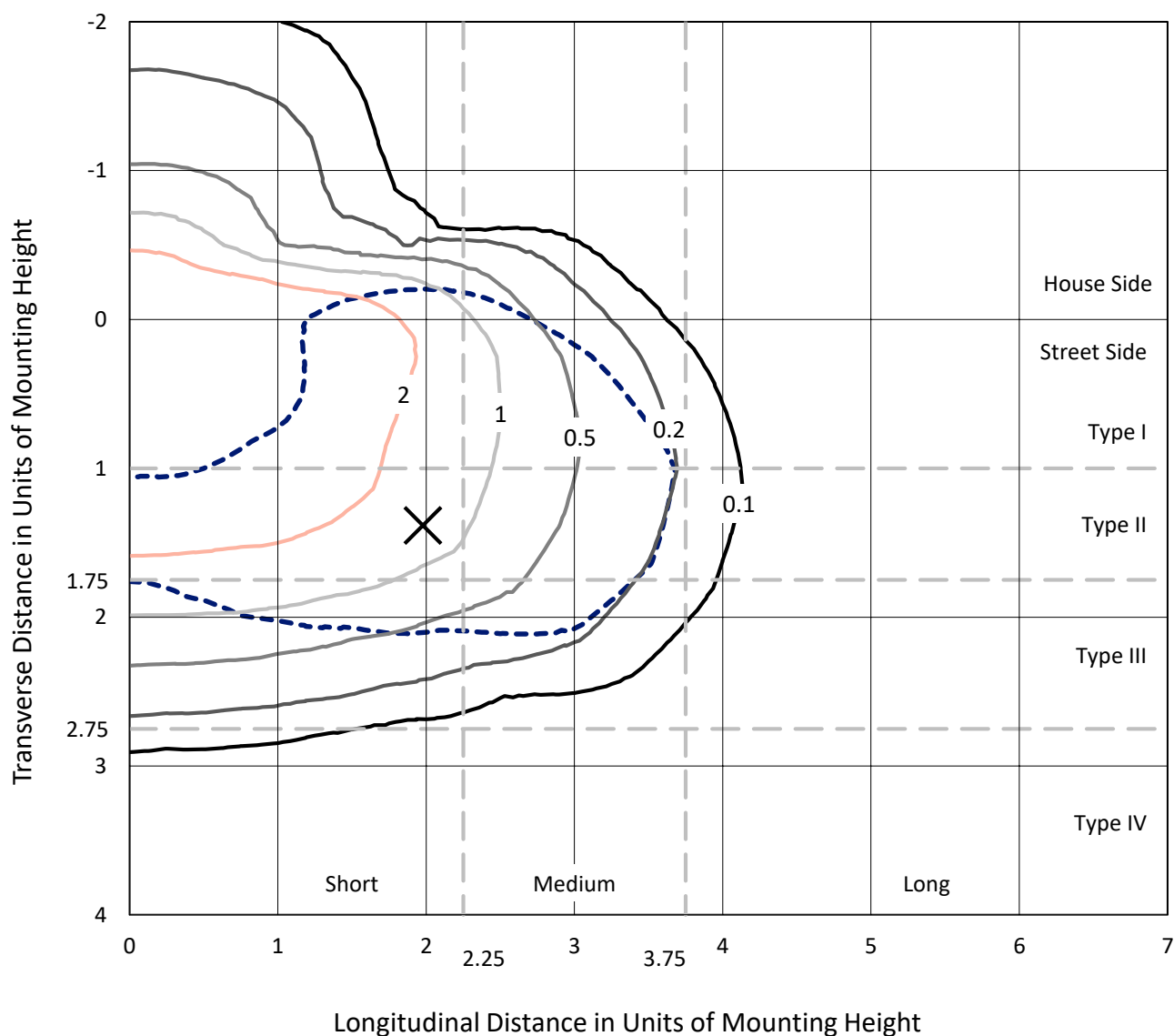
REPORT NUMBER: P200667

CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

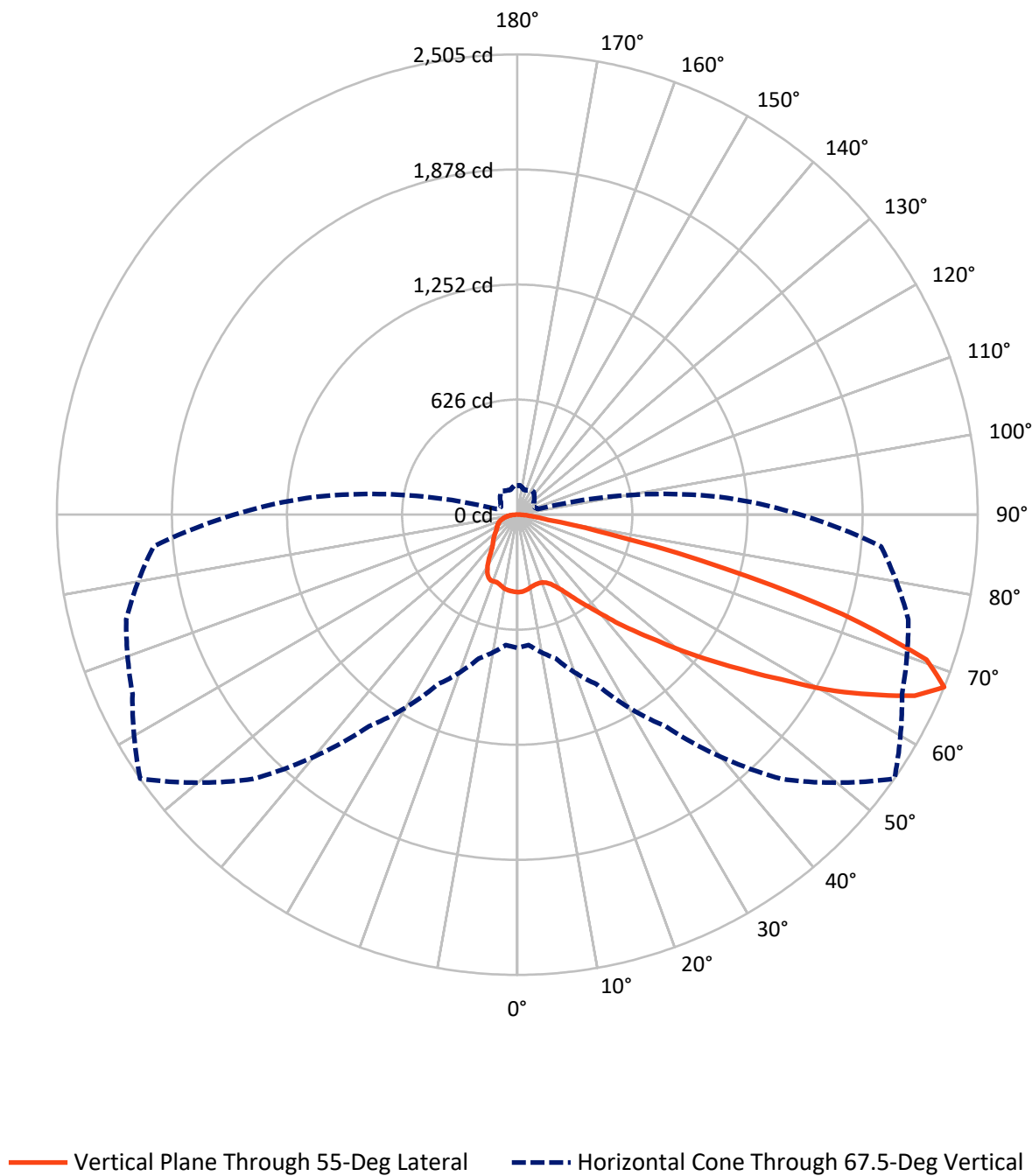


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P200667

CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

Luminous Intensity Polar Plot



REPORT NUMBER: P200667

CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.4	0.0	738.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	2679.6	0.0	2679.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	3418.0	0.0	3418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.2
10°-20°	111.4	3.3
20°-30°	186.6	5.5
30°-40°	306.9	9.0
40°-50°	516.6	15.1
50°-60°	813.1	23.8
60°-70°	970.4	28.4
70°-80°	416.7	12.2
80°-90°	56.8	1.7
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°	3418.0	100.0
0°-180°	3418.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200667

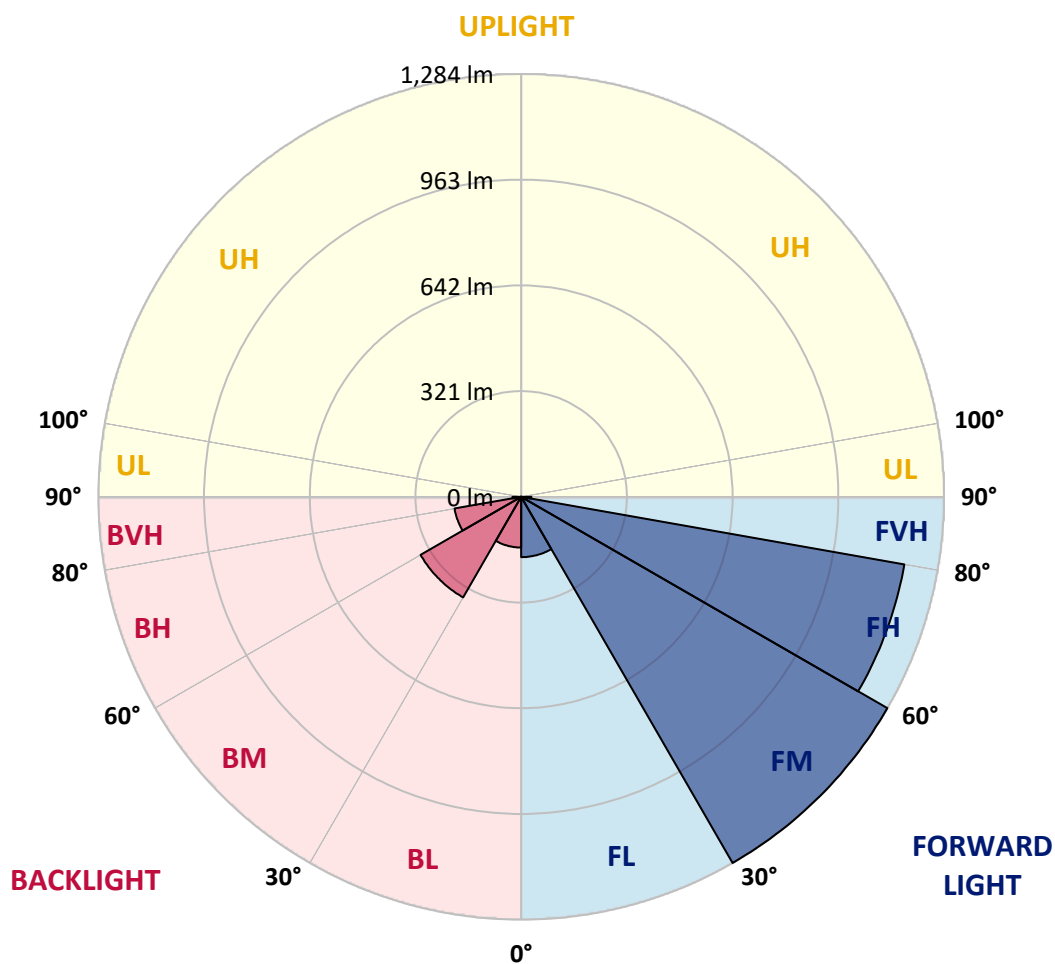
CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.2	5.4			
FM	(30°-60°)	1284.1	37.6			
FH	(60°-80°)	1181.6	34.6			G1/1800
FVH	(80°-90°)	30.8	0.9			G1/100
BL	(0°-30°)	154.2	4.5	B1/500		
BM	(30°-60°)	352.6	10.3	B1/1000		
BH	(60°-80°)	205.5	6.0	B1/500		G1/500
BVH	(80°-90°)	26.1	0.8			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 III Short



REPORT NUMBER: P200667

CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5
2.5°	417.8	418.0	418.3	419.7	420.8	420.5	420.7	420.0	419.8	418.8	419.8
5°	412.6	413.1	413.2	415.4	416.7	417.0	416.5	415.7	414.7	413.7	414.2
7.5°	400.5	401.8	402.0	405.0	407.1	409.9	410.1	410.3	409.8	409.1	410.1
10°	392.9	393.2	393.1	395.2	396.9	400.0	401.8	405.0	406.3	406.6	407.3
12.5°	392.4	392.1	391.6	391.6	391.1	392.4	395.7	400.2	403.3	404.3	405.1
15°	397.7	397.5	395.9	393.4	390.3	389.3	392.1	397.0	401.2	403.3	404.1
17.5°	409.6	408.6	406.0	400.3	393.6	390.9	391.3	395.4	400.2	403.0	403.8
20°	431.4	431.4	425.8	415.2	403.2	396.9	393.9	396.4	401.0	404.8	406.0
22.5°	469.0	469.4	459.9	442.6	422.3	408.9	401.5	401.0	406.5	410.7	412.1
25°	522.3	521.0	507.8	483.1	452.2	430.1	417.2	414.2	418.8	423.6	425.3
27.5°	584.4	579.6	564.0	534.1	494.1	461.8	441.9	437.2	441.6	447.1	448.7
30°	645.8	640.9	622.2	589.5	545.1	504.2	475.8	468.0	474.3	482.1	483.1
32.5°	707.2	707.2	686.4	648.3	599.9	554.9	520.9	511.6	522.0	531.4	533.6
35°	780.7	781.0	760.9	715.0	663.0	615.3	577.8	571.0	586.7	593.3	598.5
37.5°	871.0	872.8	846.9	791.4	734.5	684.3	639.7	630.5	646.2	664.2	680.7
40°	968.6	970.9	942.3	874.0	817.0	764.5	716.3	699.7	725.7	760.1	781.4
42.5°	1061.7	1073.6	1046.0	975.7	914.4	860.1	811.3	787.0	819.7	871.5	890.0
45°	1196.2	1204.8	1156.8	1093.1	1035.4	974.7	910.0	884.4	930.1	995.5	999.3
47.5°	1285.9	1279.5	1255.0	1215.4	1178.9	1122.1	1024.7	996.7	1057.4	1134.3	1113.0
50°	1333.6	1335.6	1332.3	1334.6	1335.9	1300.3	1165.4	1126.9	1199.4	1292.3	1243.3
52.5°	1378.2	1365.0	1375.9	1430.0	1495.4	1482.2	1318.4	1278.3	1351.6	1467.7	1381.0
55°	1377.2	1357.0	1392.5	1488.1	1629.9	1645.1	1490.3	1444.0	1512.6	1655.7	1526.9
57.5°	1328.5	1329.5	1384.1	1509.3	1723.7	1798.3	1689.7	1620.4	1683.3	1846.2	1660.2
60°	1261.5	1270.5	1349.3	1505.8	1798.8	1924.0	1934.4	1810.4	1850.5	2019.4	1770.4
62.5°	1153.3	1162.9	1271.5	1469.8	1787.4	2045.0	2155.6	2026.0	2025.3	2124.4	1802.8
65°	982.8	980.0	1094.1	1335.3	1691.9	2134.5	2375.3	2212.4	2157.1	2126.0	1737.7
67.5°	724.7	712.2	810.1	1017.0	1406.2	2034.2	2504.6	2309.5	2202.0	1986.2	1539.0
70°	376.1	363.5	442.8	593.8	924.8	1587.7	2361.5	2259.3	2102.8	1664.9	1205.7
72.5°	160.8	158.7	190.8	260.5	447.4	915.8	1851.7	1955.5	1804.3	1240.5	828.9
75°	108.1	107.5	119.5	142.0	201.2	371.6	1158.8	1388.1	1320.1	769.2	466.2
77.5°	84.9	84.0	91.1	102.0	130.4	146.6	514.3	745.2	689.7	334.8	204.1
80°	66.4	65.7	70.2	76.1	93.8	92.5	169.2	296.5	229.5	128.3	99.2
82.5°	52.3	52.3	56.0	56.1	66.5	63.1	88.3	130.6	114.6	74.8	60.8
85°	47.9	47.9	51.7	41.9	43.4	39.8	54.8	77.4	72.6	30.7	26.4
87.5°	24.1	23.4	43.4	37.1	23.6	21.1	26.7	37.5	40.3	17.0	13.2
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: P200667

CATALOG NUMBER: GWC-AF-01-LED-E1-T3-8030-600

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5
2.5°	419.5	419.3	419.7	419.8	421.1	423.0	423.8	424.9	425.6	425.3
5°	414.5	414.9	416.2	417.2	419.5	422.5	424.1	425.4	426.6	426.1
7.5°	410.4	411.2	413.2	414.0	415.4	416.2	416.0	416.5	417.5	416.4
10°	408.1	409.1	410.6	409.4	406.3	401.8	397.7	395.6	396.2	395.4
12.5°	405.8	407.1	406.0	400.5	391.8	386.0	382.8	383.2	384.7	385.0
15°	404.5	405.0	400.0	389.8	380.9	380.0	381.7	381.4	381.5	381.5
17.5°	404.5	403.2	393.9	383.7	379.9	378.4	373.3	366.8	364.0	363.0
20°	406.6	403.2	391.9	385.2	376.9	364.2	350.7	338.8	333.5	332.0
22.5°	413.1	407.1	397.5	385.8	362.4	341.1	319.6	305.4	295.8	294.2
25°	426.1	419.5	408.6	377.1	339.3	308.9	284.5	268.6	259.0	257.7
27.5°	448.9	444.6	414.5	357.8	308.6	276.0	253.4	241.2	234.1	233.6
30°	483.2	481.1	411.6	329.2	270.7	244.2	233.3	226.2	220.9	220.7
32.5°	538.0	520.7	401.8	294.4	236.2	221.6	217.1	212.8	208.7	208.7
35°	608.5	552.7	383.3	257.0	215.3	209.0	203.4	196.6	191.2	190.8
37.5°	691.4	572.5	350.2	227.0	205.4	200.6	192.3	182.3	172.7	171.0
40°	775.1	578.5	303.4	208.5	199.1	192.2	182.1	170.2	161.0	160.5
42.5°	851.9	567.1	253.9	195.8	192.8	183.6	173.0	162.4	155.2	155.0
45°	916.3	537.5	212.3	183.7	186.2	175.8	166.4	157.8	152.2	151.1
47.5°	976.8	495.8	183.1	171.0	179.6	171.5	163.6	155.5	150.1	149.2
50°	1047.2	450.7	162.6	158.7	173.8	170.0	165.9	157.5	148.4	147.4
52.5°	1132.4	411.7	146.6	147.8	169.4	172.0	171.9	163.1	147.3	145.9
55°	1227.4	368.5	134.5	138.8	167.6	175.7	173.3	168.4	148.3	146.3
57.5°	1321.1	318.0	126.1	132.1	164.9	175.3	166.2	159.1	150.6	147.8
60°	1391.2	250.1	119.7	126.1	159.1	169.9	158.5	149.1	150.1	147.9
62.5°	1395.8	193.3	111.9	121.0	150.4	164.4	153.4	144.6	152.2	150.2
65°	1313.8	146.1	104.5	114.9	141.0	161.0	148.4	142.1	156.7	154.5
67.5°	1106.1	117.5	98.2	108.6	131.6	153.7	144.0	139.8	160.6	156.8
70°	798.5	100.2	92.1	101.0	123.2	145.4	140.0	135.7	149.9	144.0
72.5°	491.6	86.8	85.2	91.0	116.7	136.9	134.1	127.9	135.0	130.3
75°	245.5	75.3	77.4	81.1	107.6	127.1	124.1	118.0	119.0	118.0
77.5°	117.5	64.4	68.3	71.2	95.9	116.1	112.9	106.6	105.5	105.7
80°	74.5	53.8	57.6	59.6	85.7	103.2	100.0	93.8	107.0	99.2
82.5°	46.6	43.7	44.7	48.4	74.6	89.8	85.7	80.1	96.4	76.3
85°	25.8	30.5	31.9	35.0	57.5	75.1	71.0	63.9	57.3	56.3
87.5°	15.4	18.2	18.7	21.0	38.6	54.3	48.0	45.6	37.8	37.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)