

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: P200691

Luminaire Tested: **GWC-AF-01-LED-E1-T4W-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24147)
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-T4W-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3394 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-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



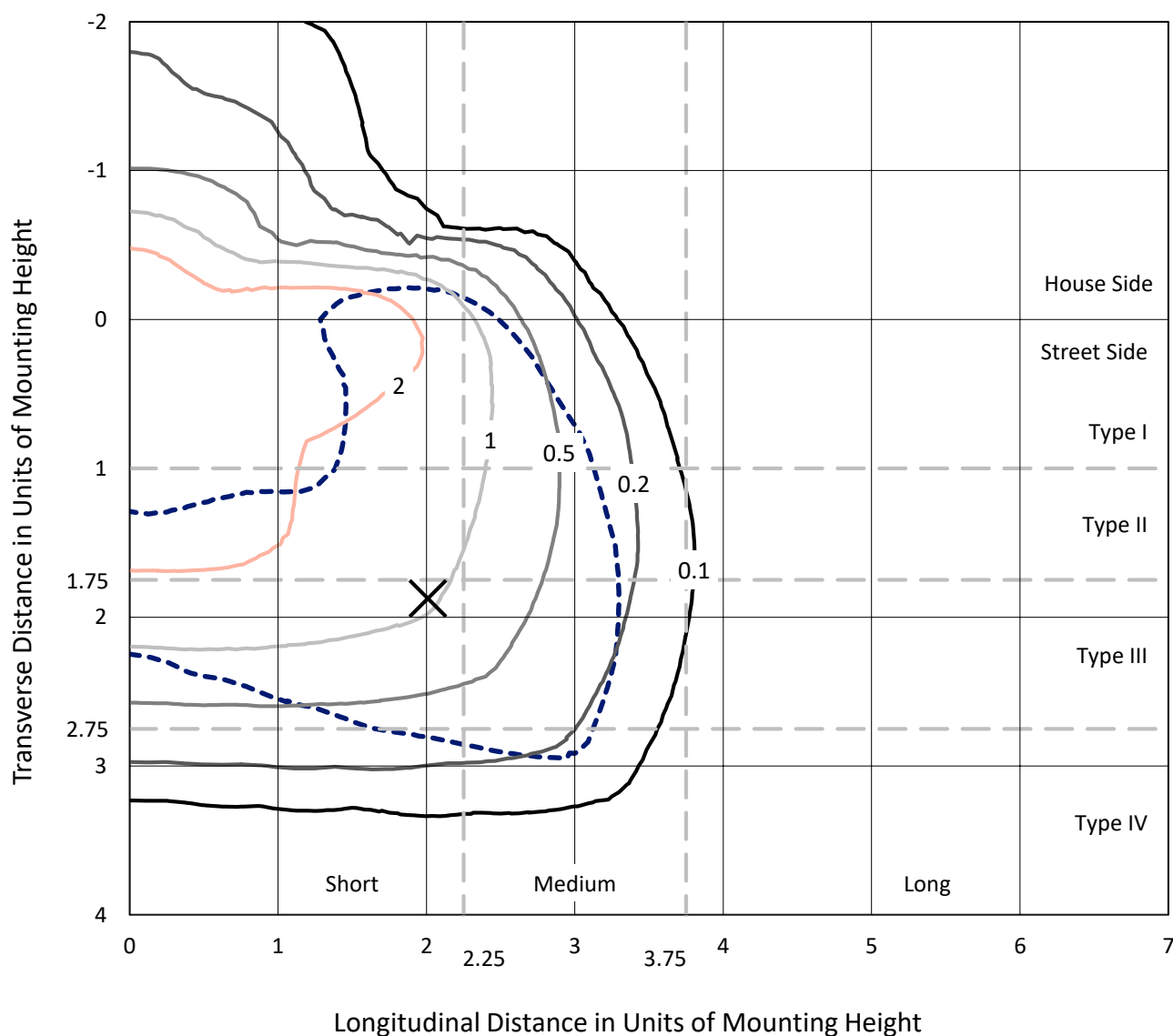
REPORT NUMBER: P200691

CATALOG NUMBER: GWC-AF-01-LED-E1-T4W-8030-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

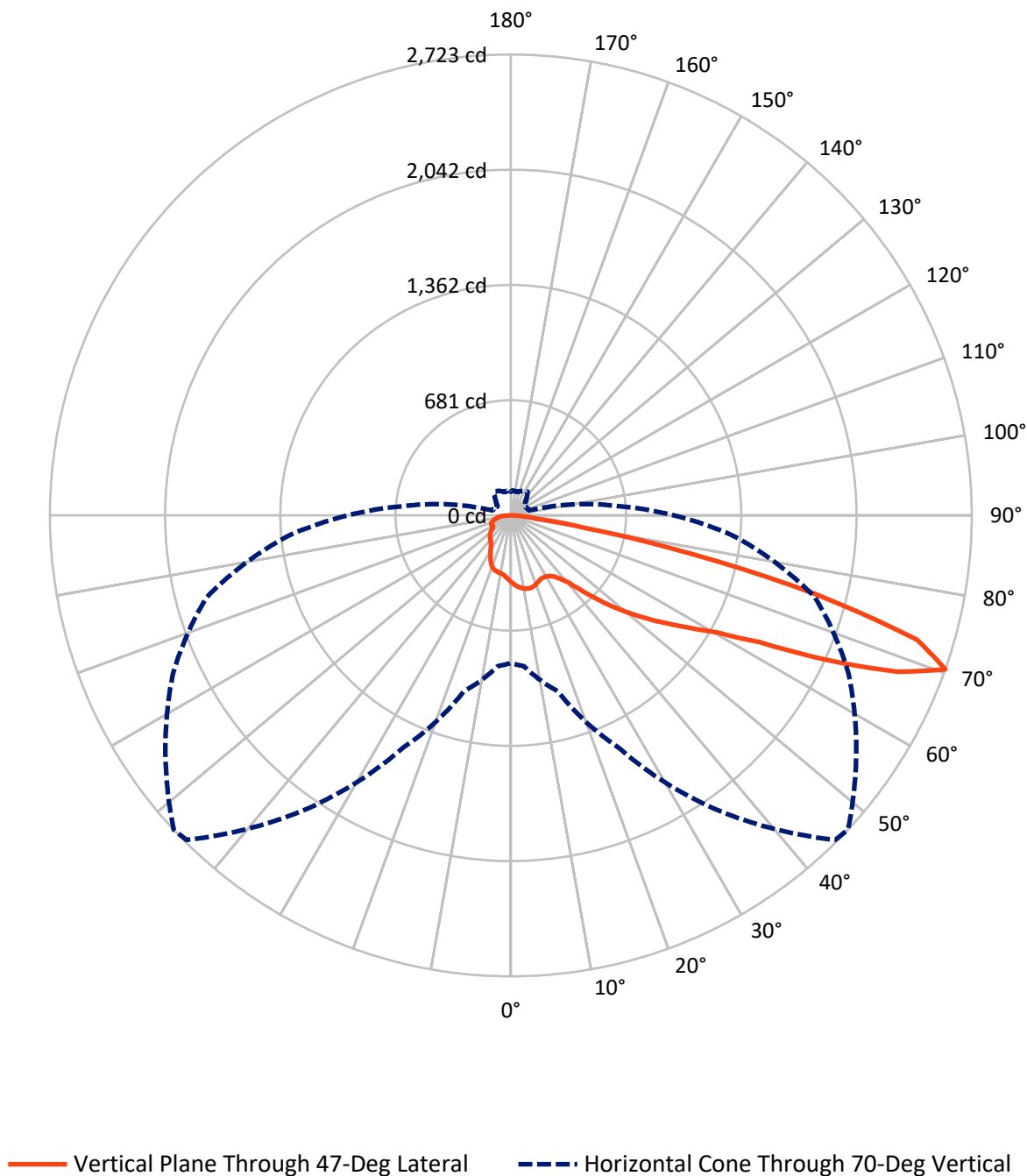


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P200691

CATALOG NUMBER: GWC-AF-01-LED-E1-T4W-8030-600

Luminous Intensity Polar Plot



REPORT NUMBER: P200691

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	708.1	0.0	708.1
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	2685.9	0.0	2685.9
	% Fixture	79.1	0.0	79.1
Total	Lumens	3394.0	0.0	3394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	1.1
10°-20°	110.7	3.3
20°-30°	163.5	4.8
30°-40°	237.6	7.0
40°-50°	427.6	12.6
50°-60°	740.8	21.8
60°-70°	1057.3	31.2
70°-80°	542.8	16.0
80°-90°	76.0	2.2
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°	3394.0	100.0
0°-180°	3394.0	100.0

Coefficient of Utilization



REPORT NUMBER: P200691

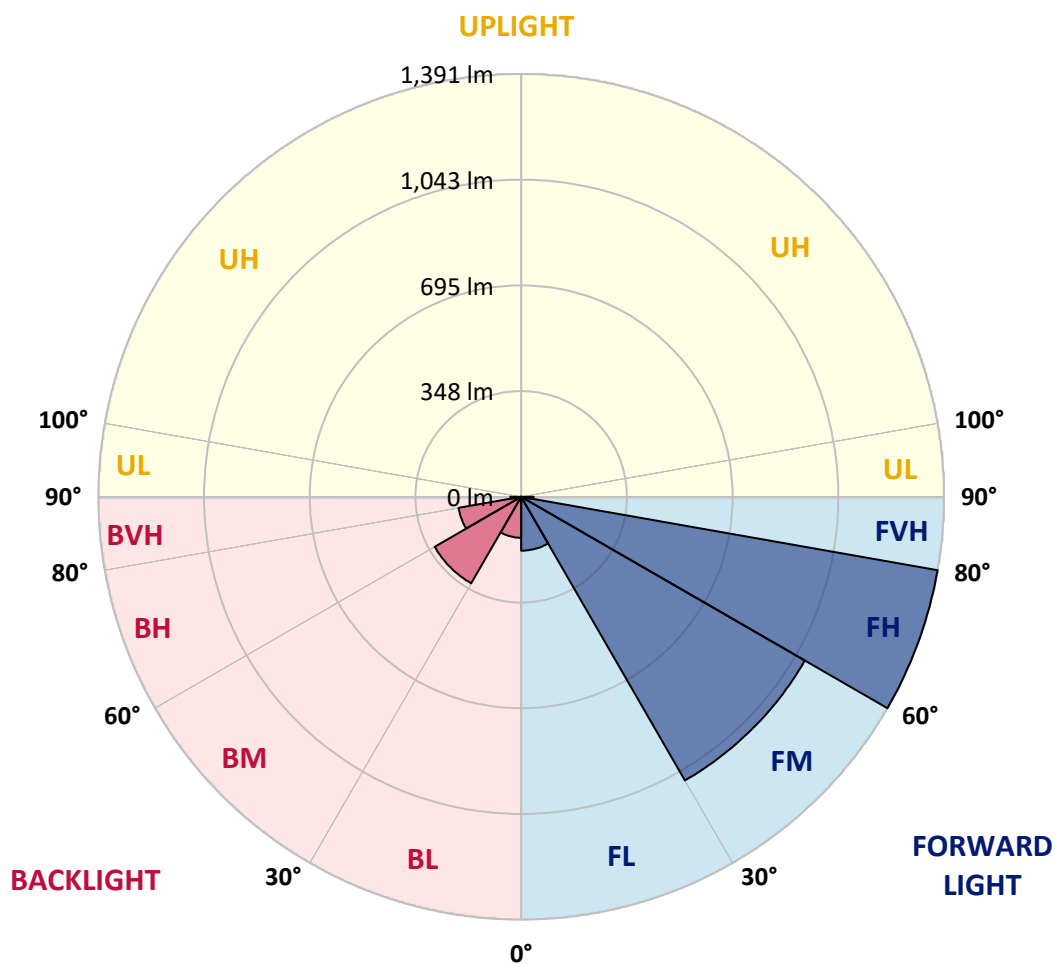
CATALOG NUMBER: GWC-AF-01-LED-E1-T4W-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.1	5.2			
FM	(30°-60°)	1077.3	31.7			
FH	(60°-80°)	1391.0	41.0			G1/1800
FVH	(80°-90°)	40.5	1.2			G1/100
BL	(0°-30°)	134.8	4.0	B1/500		
BM	(30°-60°)	328.7	9.7	B1/1000		
BH	(60°-80°)	209.1	6.2	B1/500		G1/500
BVH	(80°-90°)	35.4	1.0			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 IV Short



REPORT NUMBER: P200691

CATALOG NUMBER: GWC-AF-01-LED-E1-T4W-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8
2.5°	416.9	416.1	415.8	415.1	414.3	410.2	409.3	406.4	402.2	397.9	393.5
5°	444.3	444.2	442.4	439.1	433.8	424.7	422.5	415.3	405.5	396.1	386.7
7.5°	468.4	467.0	463.5	456.9	447.6	435.3	432.3	422.2	408.8	396.0	383.2
10°	486.1	485.3	477.7	468.6	456.6	442.9	439.4	428.2	413.5	397.1	381.3
12.5°	496.2	494.5	485.8	474.9	460.5	447.1	443.7	432.3	415.8	397.1	378.5
15°	495.5	494.4	485.6	473.7	459.2	447.5	444.3	432.9	415.3	395.5	374.8
17.5°	482.3	482.8	475.4	463.7	451.8	442.9	440.0	429.5	412.0	392.2	370.5
20°	459.2	461.5	456.6	446.2	439.5	433.4	431.6	422.7	406.9	387.4	365.9
22.5°	436.1	438.2	436.2	427.5	426.5	422.9	421.9	415.4	402.4	384.4	363.1
25°	419.1	421.1	420.7	413.1	416.1	415.9	415.1	412.0	401.4	384.4	363.6
27.5°	414.4	415.1	414.4	407.5	411.6	414.9	414.3	413.8	404.4	389.2	369.9
30°	430.3	429.3	424.2	410.2	414.0	418.6	417.9	418.2	413.3	401.7	383.9
32.5°	493.5	489.1	472.9	433.4	423.4	425.8	426.2	431.6	432.4	421.1	405.7
35°	588.2	583.2	562.2	495.9	452.6	444.0	444.0	452.3	457.2	448.8	439.5
37.5°	688.4	682.9	671.7	582.4	514.0	475.5	474.7	480.5	487.6	489.6	491.9
40°	802.3	796.5	799.7	679.5	599.7	530.2	518.5	514.3	533.5	546.2	564.7
42.5°	927.0	924.3	925.5	787.6	697.3	611.9	595.3	574.0	597.1	619.7	658.5
45°	1042.4	1044.7	1043.6	903.4	805.9	711.7	694.0	652.7	675.3	714.1	777.4
47.5°	1143.5	1133.9	1148.7	1029.8	927.6	823.3	801.5	746.2	769.1	817.0	924.0
50°	1266.1	1264.8	1243.0	1198.6	1074.8	935.4	906.8	842.8	878.4	945.0	1108.8
52.5°	1395.1	1371.2	1351.2	1329.9	1230.8	1050.3	1015.3	939.0	1006.9	1090.6	1334.0
55°	1421.5	1410.8	1435.5	1471.4	1381.2	1169.7	1128.9	1059.7	1151.5	1257.1	1593.7
57.5°	1478.0	1477.8	1529.0	1592.9	1536.1	1296.4	1255.2	1205.5	1314.2	1447.8	1869.5
60°	1516.1	1526.9	1622.0	1746.0	1688.2	1442.6	1404.8	1373.8	1499.1	1660.9	2126.4
62.5°	1536.1	1550.6	1680.4	1808.1	1903.2	1686.2	1648.4	1603.6	1743.8	1894.7	2276.7
65°	1453.1	1481.6	1671.3	1861.7	2091.4	2081.0	2064.0	1985.4	2049.8	2079.5	2222.3
67.5°	1223.2	1252.4	1473.4	1811.7	2225.8	2461.8	2465.4	2331.2	2238.0	2095.4	1868.5
70°	871.5	894.5	1077.2	1518.9	2123.4	2710.6	2723.0	2490.5	2200.5	1858.3	1305.4
72.5°	413.8	427.8	600.9	988.6	1685.0	2483.6	2507.5	2287.1	1871.1	1375.8	712.2
75°	152.1	156.4	203.1	420.6	977.3	1831.5	1859.7	1639.5	1240.4	684.9	271.3
77.5°	91.1	94.0	113.9	177.5	384.4	1046.9	1088.6	891.6	542.1	254.9	133.4
80°	63.7	65.7	81.7	110.5	181.6	398.9	436.1	363.9	216.0	161.3	97.1
82.5°	43.1	44.1	57.5	74.6	120.7	142.5	153.7	161.8	145.6	120.0	61.6
85°	28.2	29.2	39.0	49.2	76.8	73.6	75.3	95.3	106.3	81.6	34.2
87.5°	16.2	16.8	23.4	26.3	37.6	31.2	31.5	50.2	68.0	55.0	20.8
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: P200691

CATALOG NUMBER: GWC-AF-01-LED-E1-T4W-8030-600

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8	393.8
2.5°	392.3	390.2	385.4	382.4	379.6	378.9	377.8	377.6	377.5	377.5	377.0
5°	383.6	379.9	372.5	368.4	364.9	364.6	364.4	365.2	365.6	365.9	365.4
7.5°	378.0	373.0	363.8	357.8	353.7	352.7	354.3	358.1	360.6	361.6	361.1
10°	374.5	368.4	357.6	351.2	347.7	347.2	349.4	353.9	359.0	361.0	360.8
12.5°	370.5	363.6	352.2	345.4	343.4	344.4	347.2	351.4	356.7	359.8	360.0
15°	366.6	358.5	346.8	340.8	340.0	341.3	343.9	347.1	351.2	354.3	354.7
17.5°	361.8	353.4	341.6	335.5	334.9	335.5	335.7	337.3	340.0	343.0	343.8
20°	356.7	348.1	335.9	329.7	326.8	324.1	321.2	321.5	322.3	325.3	325.9
22.5°	353.0	344.4	331.4	323.0	315.0	307.1	301.2	300.4	300.7	303.2	304.0
25°	353.4	344.3	330.2	315.7	298.4	285.7	277.7	276.4	276.2	278.1	279.2
27.5°	359.8	350.7	334.5	308.3	280.2	261.4	253.0	252.0	250.7	251.1	252.5
30°	374.2	365.7	344.9	300.7	260.6	237.6	228.9	227.9	226.0	225.2	226.2
32.5°	397.6	390.7	360.1	293.4	240.9	217.3	208.4	206.2	205.1	204.1	204.9
35°	436.6	433.6	380.4	285.5	223.6	201.6	193.5	190.2	188.6	190.4	191.7
37.5°	497.7	499.3	407.0	273.1	210.2	191.2	184.4	180.6	178.2	179.6	181.1
40°	584.2	585.3	436.4	255.6	198.6	185.1	177.8	174.4	170.9	168.3	168.1
42.5°	697.8	686.1	465.3	236.6	185.3	181.3	173.2	168.9	163.6	156.4	154.9
45°	832.5	791.4	487.3	214.8	170.2	176.7	168.1	162.1	153.9	146.0	145.1
47.5°	987.7	904.5	498.0	192.2	156.2	169.9	161.8	152.4	142.0	138.0	137.5
50°	1177.3	1038.8	503.1	170.2	144.0	161.0	152.7	141.7	132.9	132.1	131.6
52.5°	1393.1	1200.3	504.8	152.2	133.9	149.4	145.3	134.6	127.6	128.3	128.3
55°	1619.0	1367.0	482.3	139.2	124.7	137.5	140.4	131.8	126.0	128.6	129.6
57.5°	1826.4	1514.8	411.6	129.1	115.9	128.5	138.5	134.4	130.4	141.2	141.8
60°	1985.6	1602.2	307.5	120.0	109.5	125.3	143.3	144.5	145.5	171.1	174.5
62.5°	2018.9	1573.1	211.4	112.9	106.5	128.0	152.1	152.2	151.1	168.9	171.1
65°	1865.8	1389.3	153.7	109.0	104.0	132.8	159.5	156.0	148.4	162.0	158.0
67.5°	1481.8	1046.7	128.0	106.0	100.4	132.4	167.4	159.5	147.0	158.7	152.2
70°	961.8	632.9	113.9	103.5	96.1	126.2	172.1	159.2	142.7	147.6	140.0
72.5°	469.3	283.0	104.5	99.9	91.6	117.4	171.9	156.2	138.2	137.9	133.7
75°	183.6	129.6	95.9	94.4	84.0	107.5	167.3	151.9	132.9	127.6	126.2
77.5°	107.5	92.5	85.0	86.4	75.0	97.6	160.5	144.5	125.7	119.4	117.7
80°	78.3	69.2	72.5	74.6	64.1	87.7	151.4	135.4	117.6	120.7	118.4
82.5°	50.2	44.6	58.8	60.9	53.3	77.6	141.5	125.8	106.2	96.4	94.1
85°	25.6	28.2	43.8	46.4	41.1	63.7	129.5	113.1	93.3	80.2	81.6
87.5°	14.4	19.3	27.9	31.2	29.1	49.0	105.0	93.3	76.1	61.9	54.5
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)