

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: P595040

Luminaire Tested: **IST-PA1B-730-U-T2U**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: IST-PA1B-730-U-T2U
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4710 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

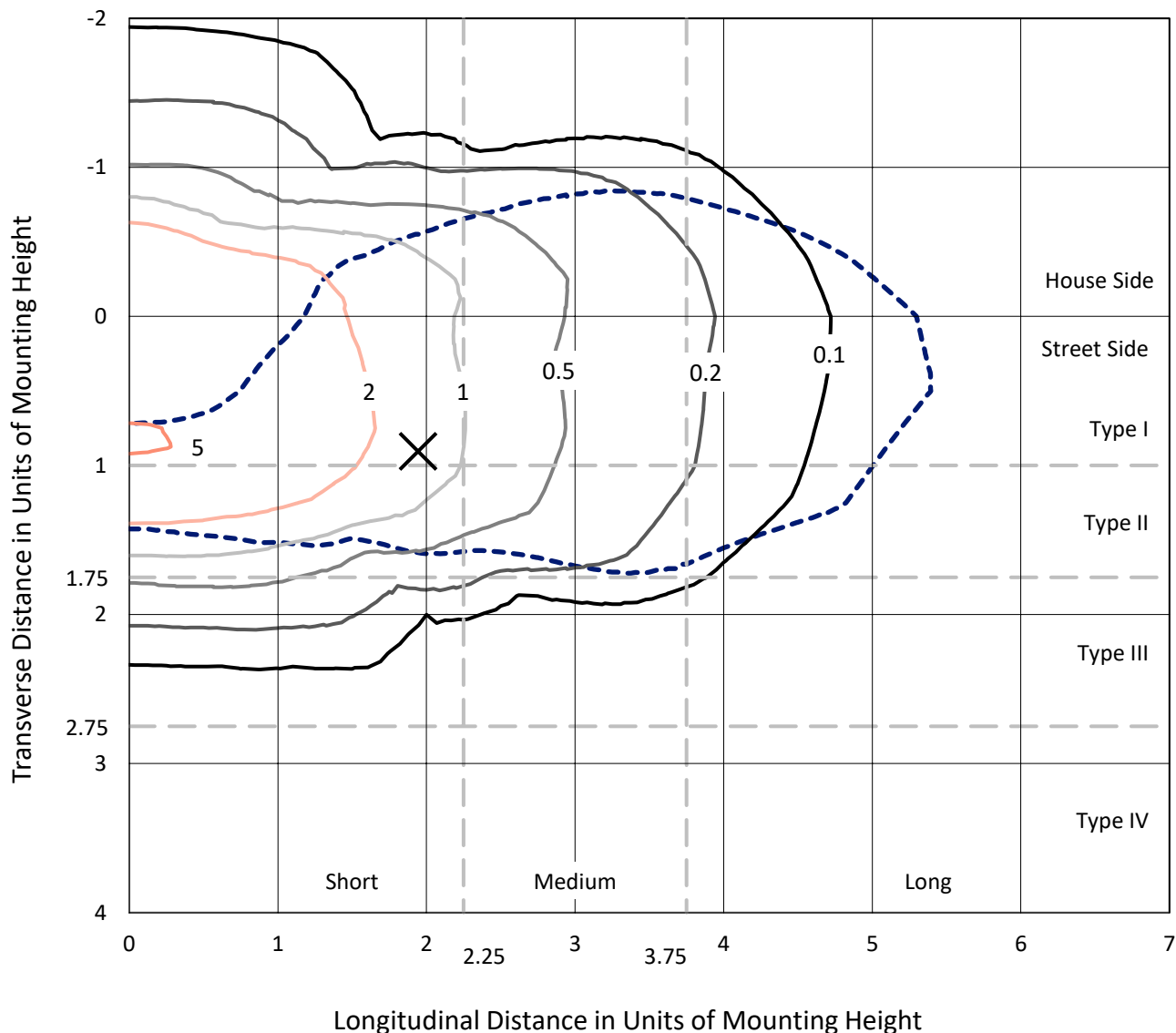
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595040
 CATALOG NUMBER: IST-PA1B-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

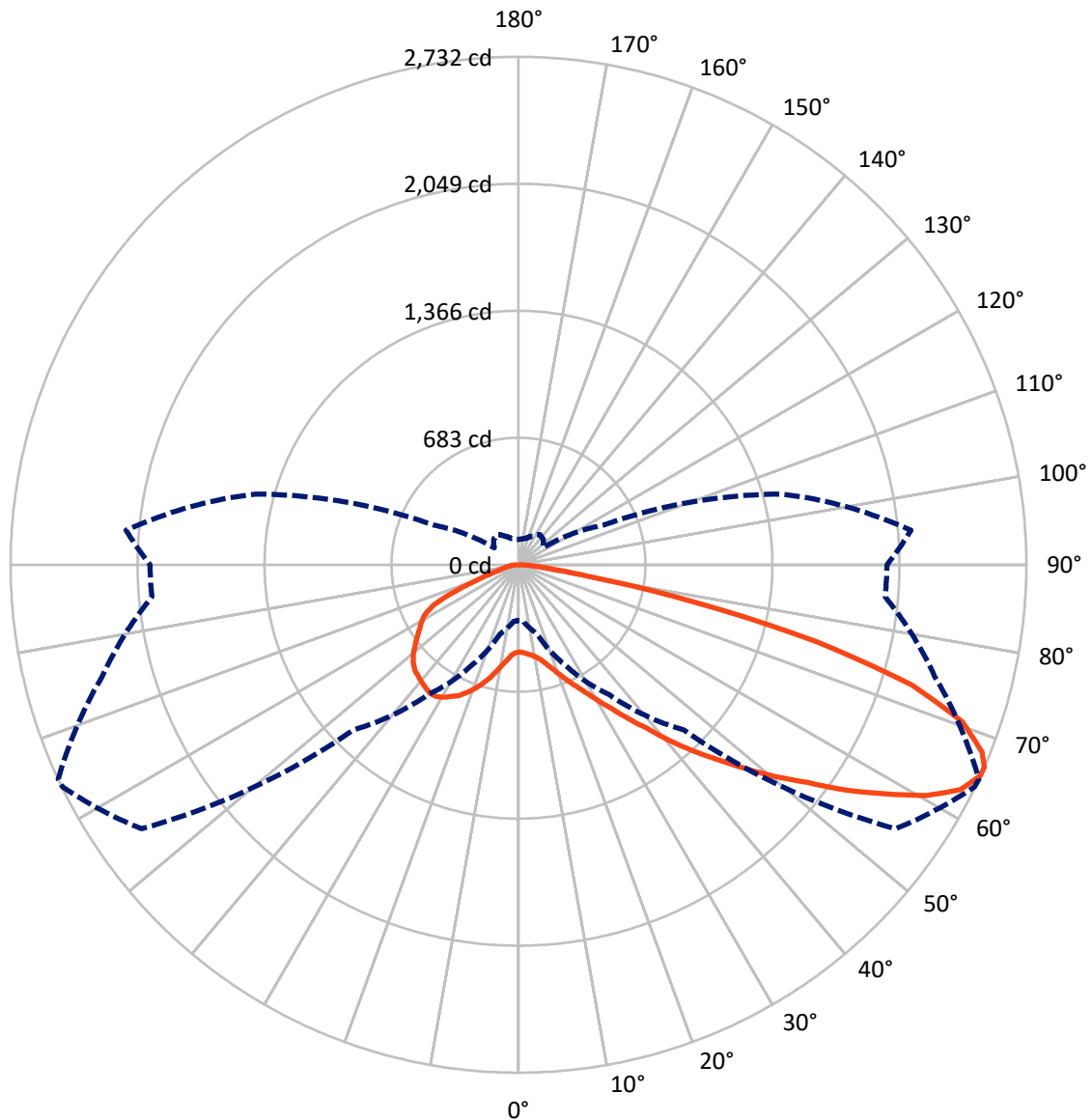
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

REPORT NUMBER: P595040
CATALOG NUMBER: IST-PA1B-730-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P595040
 CATALOG NUMBER: IST-PA1B-730-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1430.1	0.0	1430.1
	% Fixture	30.4	0.0	30.4
Street Side	Lumens	3279.9	0.0	3279.9
	% Fixture	69.6	0.0	69.6
Total	Lumens	4710.0	0.0	4710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	1.0
10°-20°	166.9	3.5
20°-30°	326.9	6.9
30°-40°	534.2	11.3
40°-50°	847.9	18.0
50°-60°	1090.5	23.2
60°-70°	983.5	20.9
70°-80°	610.0	13.0
80°-90°	102.2	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°	4710.0	100.0
0°-180°	4710.0	100.0

Coefficient of Utilization

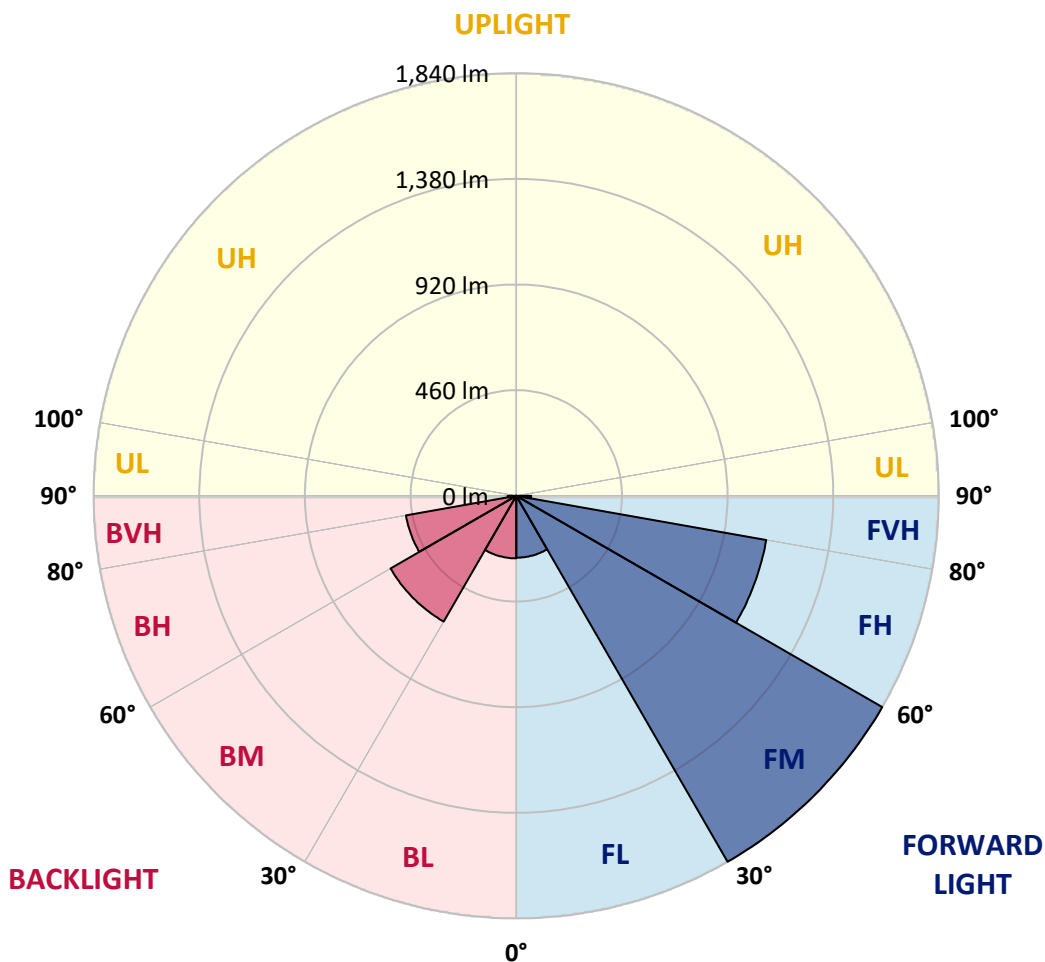


REPORT NUMBER: P595040
 CATALOG NUMBER: IST-PA1B-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.3	5.7			
FM (30°-60°)	1840.4	39.1			
FH (60°-80°)	1105.4	23.5			G1/1800
FVH (80°-90°)	64.6	1.4			G1/100
BL (0°-30°)	272.4	5.8	B1/500		
BM (30°-60°)	632.2	13.4	B1/1000		
BH (60°-80°)	488.0	10.4	B1/500		G1/500
BVH (80°-90°)	37.5	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 II Short





REPORT NUMBER: P595040
 CATALOG NUMBER: IST-PA1B-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5
2.5°	470.6	471.8	472.9	470.6	472.9	474.0	471.8	471.8	472.9	470.6	470.6
5°	467.2	468.3	470.6	471.8	476.3	478.6	479.8	479.8	480.9	479.8	480.9
7.5°	458.1	458.1	462.6	464.9	471.8	479.8	484.3	491.2	491.2	492.3	495.7
10°	467.2	467.2	470.6	474.0	479.8	486.6	493.5	501.5	503.7	511.7	516.3
12.5°	480.9	483.2	487.8	492.3	499.2	507.2	512.9	520.9	522.0	530.0	539.2
15°	503.7	506.0	508.3	514.0	523.2	533.4	543.7	549.4	551.7	556.3	563.1
17.5°	538.0	540.3	541.4	544.9	551.7	565.4	580.3	584.8	587.1	587.1	592.8
20°	596.3	595.1	592.8	586.0	586.0	598.6	619.1	627.1	629.4	624.8	621.4
22.5°	663.7	662.5	653.4	645.4	639.7	642.0	662.5	676.2	675.1	665.9	652.2
25°	751.6	753.9	739.1	718.5	701.4	696.8	709.4	723.1	725.3	708.2	685.4
27.5°	856.7	853.3	845.3	812.2	779.0	758.5	765.3	780.2	781.3	763.0	726.5
30°	980.1	974.4	953.8	919.5	868.1	839.6	833.9	846.4	849.9	819.0	766.5
32.5°	1117.1	1111.4	1085.2	1032.6	976.6	928.7	910.4	927.5	925.2	889.8	816.7
35°	1282.8	1281.6	1233.7	1168.5	1097.7	1033.8	1008.6	1008.6	1015.5	962.9	880.7
37.5°	1504.4	1513.5	1442.7	1341.0	1241.7	1156.0	1113.7	1111.4	1112.6	1055.5	952.7
40°	1704.3	1700.8	1659.7	1564.9	1419.8	1310.2	1247.4	1233.7	1237.1	1164.0	1046.3
42.5°	1819.6	1823.1	1812.8	1771.7	1644.9	1506.7	1399.3	1362.7	1363.9	1272.5	1135.4
45°	1891.6	1895.0	1893.9	1914.5	1864.2	1734.0	1580.9	1496.4	1491.8	1395.9	1240.5
47.5°	1932.7	1935.0	1949.9	1992.1	2033.2	2003.5	1781.9	1644.9	1635.7	1511.2	1345.6
50°	1887.0	1888.2	1947.6	2048.1	2148.6	2238.9	1987.6	1792.2	1789.9	1639.2	1448.4
52.5°	1647.2	1667.7	1799.1	2009.3	2234.3	2405.6	2225.2	1965.9	1946.4	1760.2	1551.2
55°	1344.5	1353.6	1504.4	1771.7	2218.3	2508.4	2404.5	2153.2	2139.5	1895.0	1651.7
57.5°	1049.8	1058.9	1238.2	1461.0	1973.9	2502.7	2531.3	2355.4	2324.5	2012.7	1752.2
60°	677.4	705.9	913.8	1188.0	1598.0	2329.1	2595.2	2549.6	2521.0	2129.2	1837.9
62.5°	460.3	464.9	595.1	880.7	1196.0	1892.7	2590.7	2669.5	2664.9	2245.7	1923.6
65°	299.3	306.1	384.9	596.3	855.6	1256.5	2476.5	2727.8	2732.3	2317.7	1979.6
66°	253.6	258.2	318.7	501.5	749.3	996.1	2375.9	2723.2	2732.3	2350.8	1996.7
67.5°	220.5	223.9	254.7	370.1	612.3	716.2	2114.4	2662.6	2688.9	2381.6	2018.4
70°	189.6	194.2	222.7	252.4	437.5	418.1	1338.7	2507.3	2533.6	2396.5	2032.1
72.5°	156.5	159.9	188.5	228.5	317.6	281.0	590.6	2146.3	2212.6	2341.7	2010.4
75°	123.4	125.7	151.9	190.8	243.3	219.3	257.0	1574.1	1657.4	2064.1	1925.9
77.5°	96.0	97.1	117.7	148.5	222.7	170.2	158.8	766.5	969.8	1594.6	1696.3
80°	66.3	68.5	86.8	111.9	163.3	134.8	106.2	299.3	380.4	1058.9	1286.2
82.5°	43.4	44.5	59.4	84.5	108.5	129.1	69.7	145.1	159.9	487.8	557.4
85°	29.7	29.7	42.3	52.5	74.2	85.7	45.7	76.5	83.4	185.0	67.4
87.5°	14.8	14.8	20.6	27.4	35.4	33.1	27.4	27.4	27.4	60.5	19.4
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: P595040
 CATALOG NUMBER: IST-PA1B-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5
2.5°	471.8	471.8	472.9	474.0	475.2	475.2	476.3	476.3	475.2	476.3	477.5
5°	482.0	483.2	485.5	488.9	494.6	500.3	506.0	509.5	512.9	514.0	511.7
7.5°	498.0	500.3	508.3	517.5	526.6	540.3	548.3	552.9	555.1	557.4	555.1
10°	518.6	523.2	534.6	550.6	566.6	583.7	592.8	599.7	600.8	603.1	600.8
12.5°	542.6	550.6	567.7	590.6	610.0	627.1	634.0	629.4	619.1	614.5	613.4
15°	571.1	579.1	603.1	631.7	654.5	662.5	652.2	637.4	626.0	624.8	623.7
17.5°	596.3	607.7	640.8	670.5	692.2	684.2	656.8	647.7	644.2	648.8	647.7
20°	628.3	637.4	670.5	707.1	718.5	687.6	668.2	662.5	659.1	659.1	656.8
22.5°	654.5	661.4	701.4	741.3	734.5	689.9	676.2	664.8	653.4	652.2	648.8
25°	685.4	687.6	729.9	773.3	736.8	692.2	668.2	648.8	637.4	634.0	635.1
27.5°	713.9	719.6	756.2	795.0	731.1	679.7	640.8	615.7	598.6	597.4	597.4
30°	750.5	750.5	783.6	819.0	718.5	647.7	596.3	559.7	546.0	544.9	542.6
32.5°	791.6	784.7	816.7	836.1	691.1	604.3	535.7	494.6	472.9	468.3	464.9
35°	848.7	833.9	856.7	839.6	663.7	542.6	459.2	412.4	396.4	389.5	389.5
37.5°	915.0	893.3	917.2	829.3	621.4	470.6	379.2	343.8	326.7	316.4	319.8
40°	992.6	965.2	978.9	817.9	575.7	390.7	313.0	291.3	270.7	257.0	257.0
42.5°	1084.0	1038.3	1048.6	806.4	510.6	321.0	270.7	255.9	239.9	226.2	229.6
45°	1172.0	1127.4	1117.1	795.0	442.1	274.1	253.6	243.3	228.5	212.5	212.5
47.5°	1273.6	1216.5	1177.7	774.5	374.7	259.3	258.2	243.3	214.7	191.9	189.6
50°	1369.6	1317.0	1232.5	743.6	337.0	271.9	257.0	221.6	194.2	179.3	178.2
52.5°	1471.2	1416.4	1277.1	705.9	317.6	266.1	236.5	203.3	182.8	167.9	164.5
55°	1571.8	1543.2	1317.0	669.4	286.7	247.9	219.3	191.9	170.2	156.5	154.2
57.5°	1686.0	1674.6	1351.3	632.8	238.7	225.0	206.8	183.9	163.3	153.1	151.9
60°	1785.4	1825.4	1392.4	605.4	203.3	207.9	201.0	182.8	167.9	156.5	156.5
62.5°	1890.5	1970.4	1429.0	570.0	177.1	197.6	202.2	181.6	162.2	151.9	151.9
65°	1981.8	2118.9	1466.7	504.9	158.8	189.6	198.8	169.1	146.2	138.2	135.9
66°	2020.7	2161.2	1478.1	464.9	151.9	183.9	193.0	162.2	139.4	132.5	131.4
67.5°	2066.4	2227.4	1491.8	379.2	141.6	171.3	180.5	151.9	127.9	123.4	121.1
70°	2130.3	2241.1	1483.8	247.9	123.4	147.4	161.1	135.9	114.2	110.8	107.4
72.5°	2137.2	2147.5	1403.9	156.5	107.4	126.8	141.6	122.2	100.5	97.1	94.8
75°	2024.1	1903.0	1188.0	111.9	94.8	111.9	124.5	106.2	83.4	78.8	76.5
77.5°	1728.3	1510.1	854.4	83.4	82.2	96.0	103.9	92.5	69.7	66.3	65.1
80°	1213.1	1024.6	428.4	62.8	65.1	80.0	86.8	77.7	58.3	53.7	51.4
82.5°	491.2	435.2	147.4	46.8	49.1	60.5	74.2	64.0	44.5	38.8	34.3
85°	56.0	94.8	64.0	32.0	33.1	41.1	50.3	38.8	26.3	21.7	18.3
87.5°	11.4	20.6	22.8	12.6	11.4	16.0	22.8	13.7	9.1	3.4	4.6
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)