

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: P200033

Luminaire Tested: **GPC-AF-01-LED-E1-T3-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200033
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: GPC-AF-01-LED-E1-T3-7030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6745.7 lumens
Efficiency: N/A
Efficacy: 100.7 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 - G2

Input Watts (W): 67
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

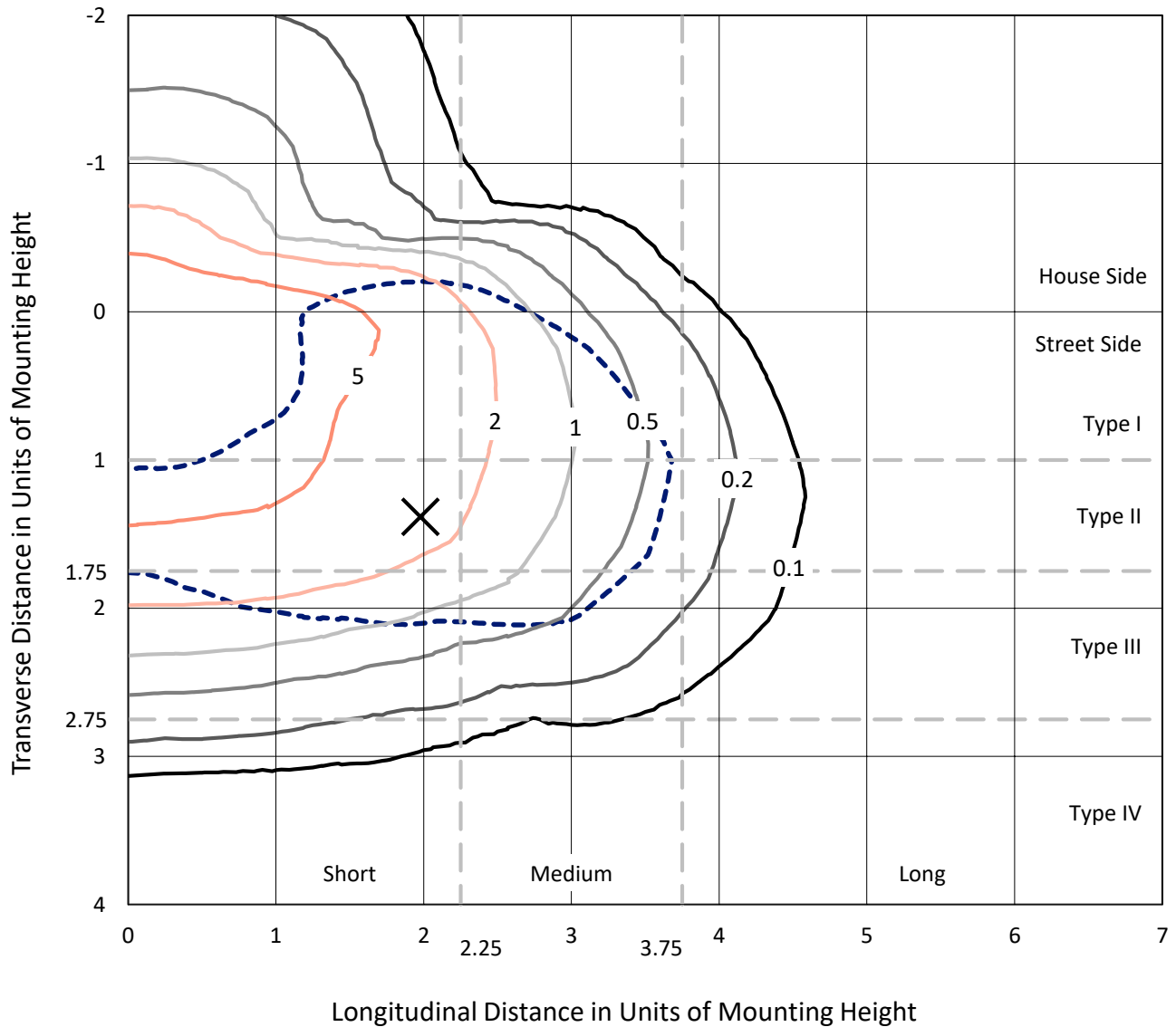


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Iso-Footcandle Lines of Horizontal Illumination

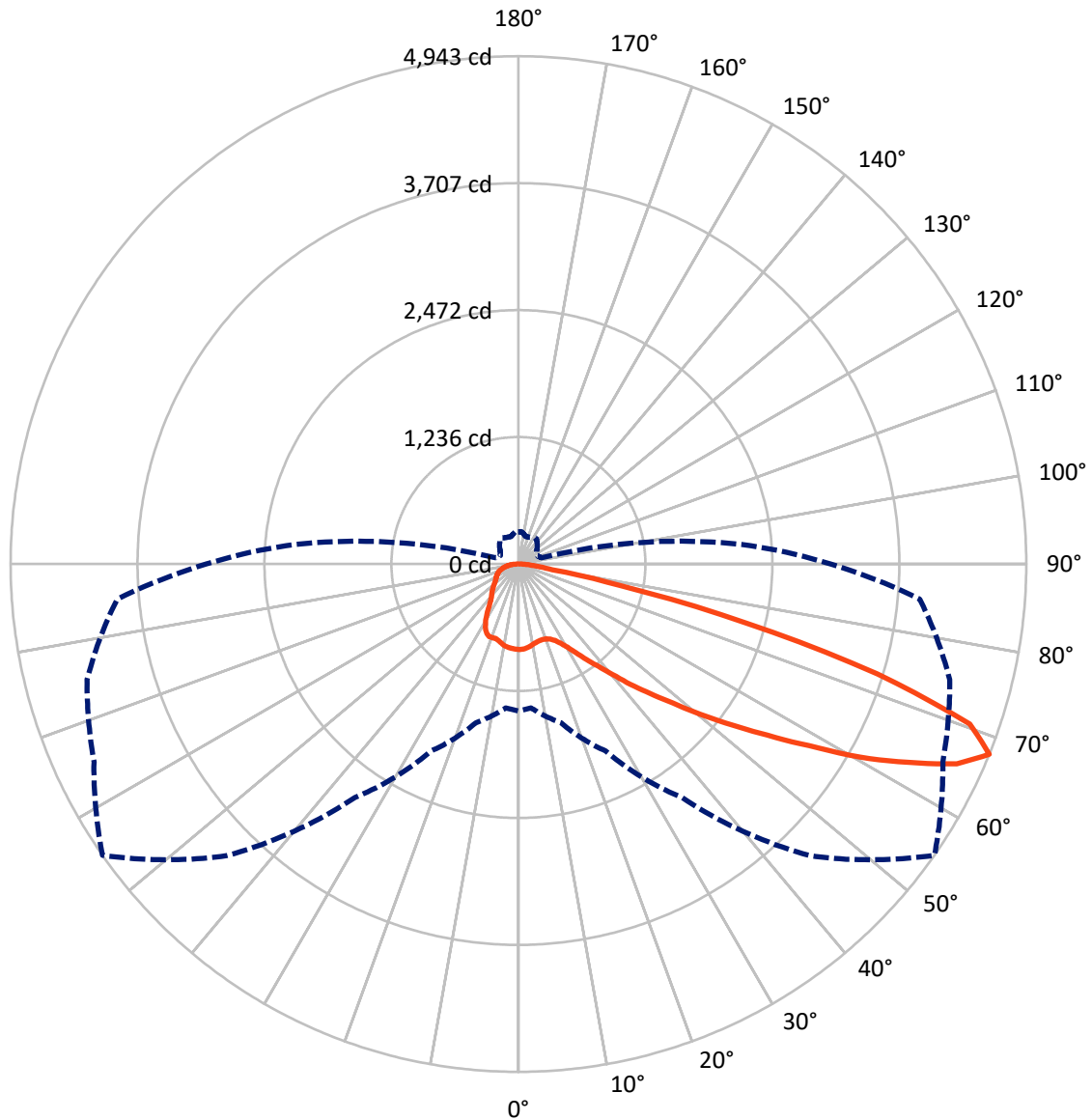
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.2	0.0	1457.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5288.5	0.0	5288.5
	% Fixture	78.4	0.0	78.4
Total	Lumens	6745.7	0.0	6745.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.2
10°-20°	219.9	3.3
20°-30°	368.3	5.5
30°-40°	605.7	9.0
40°-50°	1019.6	15.1
50°-60°	1604.8	23.8
60°-70°	1915.1	28.4
70°-80°	822.4	12.2
80°-90°	112.1	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°	6745.7	100.0
0°-180°	6745.7	100.0



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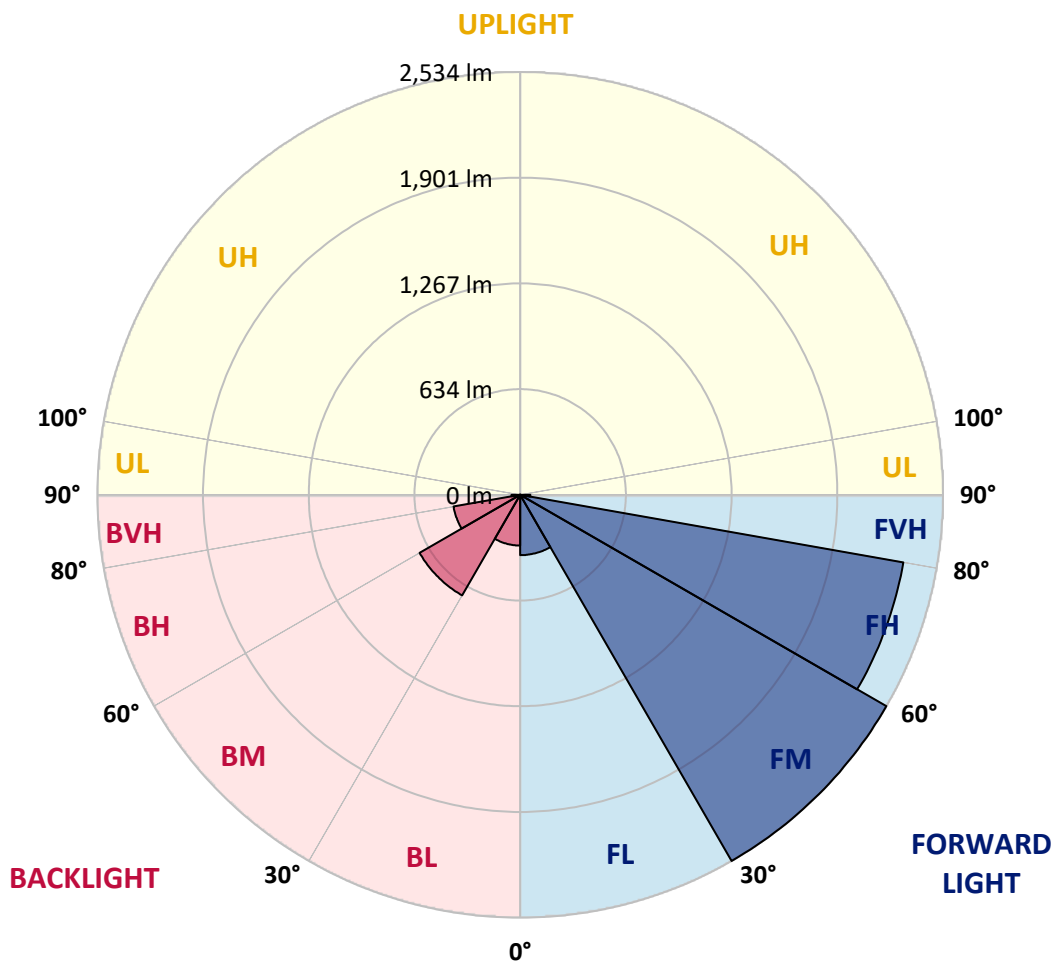
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.6	5.4			
FM	(30°-60°)	2534.2	37.6			
FH	(60°-80°)	2332.0	34.6			G2/5000
FVH	(80°-90°)	60.7	0.9			G1/100
BL	(0°-30°)	304.3	4.5	B1/500		
BM	(30°-60°)	695.9	10.3	B1/1000		
BH	(60°-80°)	405.5	6.0	B1/500		G1/500
BVH	(80°-90°)	51.4	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8
2.5°	824.7	825.0	825.7	828.1	830.5	829.9	830.2	828.8	828.5	826.6	828.5
5°	814.2	815.2	815.5	819.8	822.4	823.0	822.0	820.4	818.5	816.5	817.5
7.5°	790.4	793.0	793.3	799.2	803.5	808.9	809.3	809.6	808.6	807.4	809.3
10°	775.4	776.1	775.7	780.0	783.3	789.5	793.0	799.2	801.9	802.5	803.8
12.5°	774.4	773.8	772.8	772.8	771.9	774.4	780.9	789.8	796.0	797.9	799.6
15°	784.9	784.6	781.3	776.4	770.3	768.3	773.8	783.6	791.7	796.0	797.6
17.5°	808.4	806.5	801.2	790.2	776.8	771.6	772.1	780.3	789.8	795.3	796.9
20°	851.3	851.3	840.3	819.5	795.6	783.3	777.4	782.3	791.4	798.9	801.2
22.5°	925.7	926.3	907.7	873.5	833.4	807.1	792.3	791.4	802.2	810.6	813.2
25°	1030.9	1028.2	1002.2	953.4	892.4	848.7	823.4	817.5	826.6	836.1	839.3
27.5°	1153.4	1144.0	1113.1	1054.1	975.1	911.3	872.2	862.8	871.6	882.3	885.5
30°	1274.6	1264.7	1228.0	1163.5	1075.8	995.1	939.0	923.7	936.1	951.4	953.4
32.5°	1395.8	1395.8	1354.7	1279.5	1184.1	1095.1	1027.9	1009.7	1030.2	1048.8	1053.0
35°	1540.8	1541.4	1501.7	1411.1	1308.5	1214.3	1140.3	1127.0	1157.9	1171.0	1181.1
37.5°	1718.9	1722.6	1671.4	1562.0	1449.6	1350.6	1262.6	1244.4	1275.3	1310.8	1343.4
40°	1911.6	1916.2	1859.8	1724.8	1612.4	1508.9	1413.7	1380.8	1432.3	1500.0	1542.0
42.5°	2095.4	2118.7	2064.4	1925.5	1804.8	1697.6	1601.0	1553.2	1617.7	1720.0	1756.5
45°	2360.9	2377.8	2283.0	2157.3	2043.5	1923.6	1795.9	1745.4	1835.7	1964.7	1972.1
47.5°	2537.8	2525.1	2476.9	2398.7	2326.6	2214.5	2022.4	1967.0	2086.9	2238.7	2196.6
50°	2631.9	2635.9	2629.4	2633.9	2636.5	2566.2	2299.9	2224.1	2367.1	2550.5	2453.8
52.5°	2719.9	2693.9	2715.4	2822.2	2951.3	2925.2	2602.0	2522.8	2667.4	2896.6	2725.5
55°	2718.0	2678.3	2748.3	2936.9	3216.8	3246.7	2941.2	2849.9	2985.2	3267.6	3013.5
57.5°	2621.9	2623.9	2731.7	2978.6	3401.9	3549.2	3334.7	3197.9	3322.0	3643.6	3276.4
60°	2489.6	2507.5	2662.8	2971.8	3550.2	3797.1	3817.6	3572.9	3652.1	3985.4	3494.1
62.5°	2276.2	2295.1	2509.4	2900.8	3527.7	4035.9	4254.2	3998.5	3997.1	4192.6	3557.9
65°	1939.6	1934.1	2159.2	2635.3	3339.0	4212.5	4687.9	4366.3	4257.2	4195.9	3429.5
67.5°	1430.3	1405.6	1598.8	2007.1	2775.3	4014.7	4943.0	4557.9	4345.8	3919.9	3037.3
70°	742.2	717.5	873.8	1172.0	1825.2	3133.4	4660.5	4458.9	4150.0	3285.9	2379.4
72.5°	317.4	313.1	376.6	514.2	883.0	1807.3	3654.4	3859.4	3560.9	2448.2	1635.9
75°	213.4	212.1	235.9	280.2	397.1	733.4	2286.9	2739.4	2605.3	1517.9	920.1
77.5°	167.5	165.8	179.8	201.4	257.5	289.3	1014.9	1470.7	1361.3	660.8	402.7
80°	131.0	129.7	138.4	150.2	185.0	182.5	334.0	585.2	452.9	253.2	195.8
82.5°	103.2	103.2	110.5	110.8	131.3	124.4	174.3	257.8	226.1	147.6	119.8
85°	94.5	94.5	101.9	82.7	85.7	78.5	108.1	152.9	143.3	60.6	52.1
87.5°	47.5	46.2	85.7	73.3	46.6	41.7	52.8	74.0	79.5	33.6	26.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8	831.8
2.5°	827.8	827.5	828.1	828.5	831.1	834.7	836.4	838.7	839.9	839.3
5°	818.2	818.8	821.4	823.4	827.8	833.7	837.0	839.6	842.0	841.0
7.5°	809.9	811.6	815.5	817.1	819.8	821.4	821.1	822.0	824.1	821.7
10°	805.5	807.4	810.2	808.1	801.9	793.0	784.9	780.6	782.0	780.3
12.5°	800.9	803.5	801.2	790.4	773.1	761.7	755.5	756.2	759.2	759.8
15°	798.2	799.2	789.5	769.3	751.7	750.1	753.4	752.7	753.1	753.1
17.5°	798.2	795.6	777.4	757.1	749.7	746.8	736.6	724.0	718.4	716.5
20°	802.5	795.6	773.4	760.1	743.8	718.7	692.0	668.5	658.2	655.2
22.5°	815.2	803.5	784.6	761.4	715.2	673.1	630.8	602.8	583.9	580.6
25°	841.0	827.8	806.5	744.2	669.5	609.5	561.4	530.1	511.3	508.6
27.5°	885.9	877.5	818.2	706.1	608.9	544.7	500.1	476.1	462.0	461.1
30°	953.8	949.5	812.3	649.6	534.4	481.9	460.4	446.4	436.0	435.6
32.5°	1061.9	1027.6	793.0	580.9	466.2	437.2	428.4	420.0	411.8	411.8
35°	1201.0	1090.9	756.5	507.3	424.9	412.5	401.4	388.1	377.3	376.6
37.5°	1364.5	1130.0	691.1	448.0	405.4	395.8	379.5	359.7	340.8	337.5
40°	1529.7	1141.6	598.8	411.5	392.9	379.2	359.4	336.0	317.7	316.8
42.5°	1681.2	1119.2	501.1	386.4	380.6	362.3	341.4	320.5	306.3	305.9
45°	1808.2	1060.9	419.0	362.6	367.5	347.0	328.5	311.5	300.4	298.2
47.5°	1927.9	978.4	361.3	337.5	354.4	338.4	322.9	306.9	296.2	294.6
50°	2066.6	889.5	320.9	313.1	343.1	335.7	327.4	310.9	293.0	290.9
52.5°	2234.8	812.6	289.3	291.6	334.4	339.5	339.1	321.9	290.6	288.0
55°	2422.5	727.2	265.5	274.0	330.7	346.7	342.1	332.3	292.6	288.7
57.5°	2607.2	627.4	248.9	260.7	325.5	346.1	328.1	314.1	297.1	291.6
60°	2745.6	493.7	236.2	248.9	314.1	335.3	312.8	294.2	296.2	291.9
62.5°	2754.8	381.6	220.9	238.8	296.8	324.5	302.6	285.3	300.4	296.5
65°	2592.8	288.3	206.3	226.8	278.3	317.7	293.0	280.6	309.2	305.0
67.5°	2183.0	231.9	193.8	214.3	259.7	303.3	284.1	276.0	317.1	309.5
70°	1575.9	197.8	181.8	199.4	243.1	287.1	276.3	267.8	295.9	284.1
72.5°	970.3	171.4	168.2	179.5	230.3	270.1	264.5	252.5	266.5	257.1
75°	484.4	148.6	152.9	159.9	212.4	250.9	245.1	232.9	234.9	232.9
77.5°	231.9	127.1	134.9	140.4	189.3	229.0	222.9	210.5	208.2	208.5
80°	147.0	106.2	113.7	117.7	169.2	203.7	197.4	185.0	211.1	195.8
82.5°	91.9	86.4	88.3	95.5	147.3	177.2	169.2	158.0	190.3	150.6
85°	50.8	60.3	63.0	69.1	113.4	148.3	140.1	126.0	113.1	111.1
87.5°	30.3	35.8	36.8	41.4	76.3	107.2	94.8	89.9	74.7	74.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)