

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: P200035

Luminaire Tested: **GPC-AF-01-LED-E1-T3R-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P40129)
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-T3R-7030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4140.9 lumens
Efficiency: N/A
Efficacy: 121.8 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

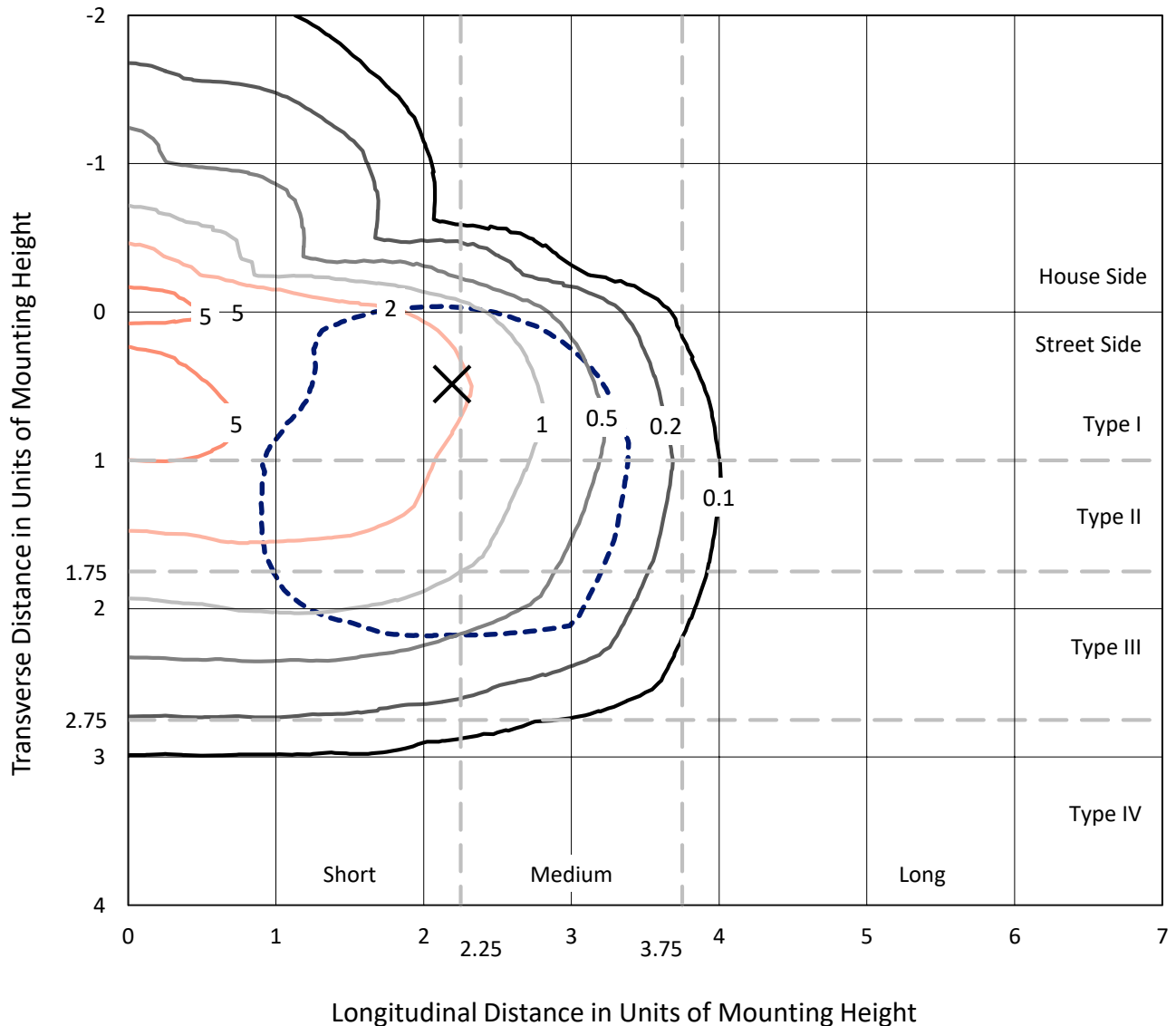
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

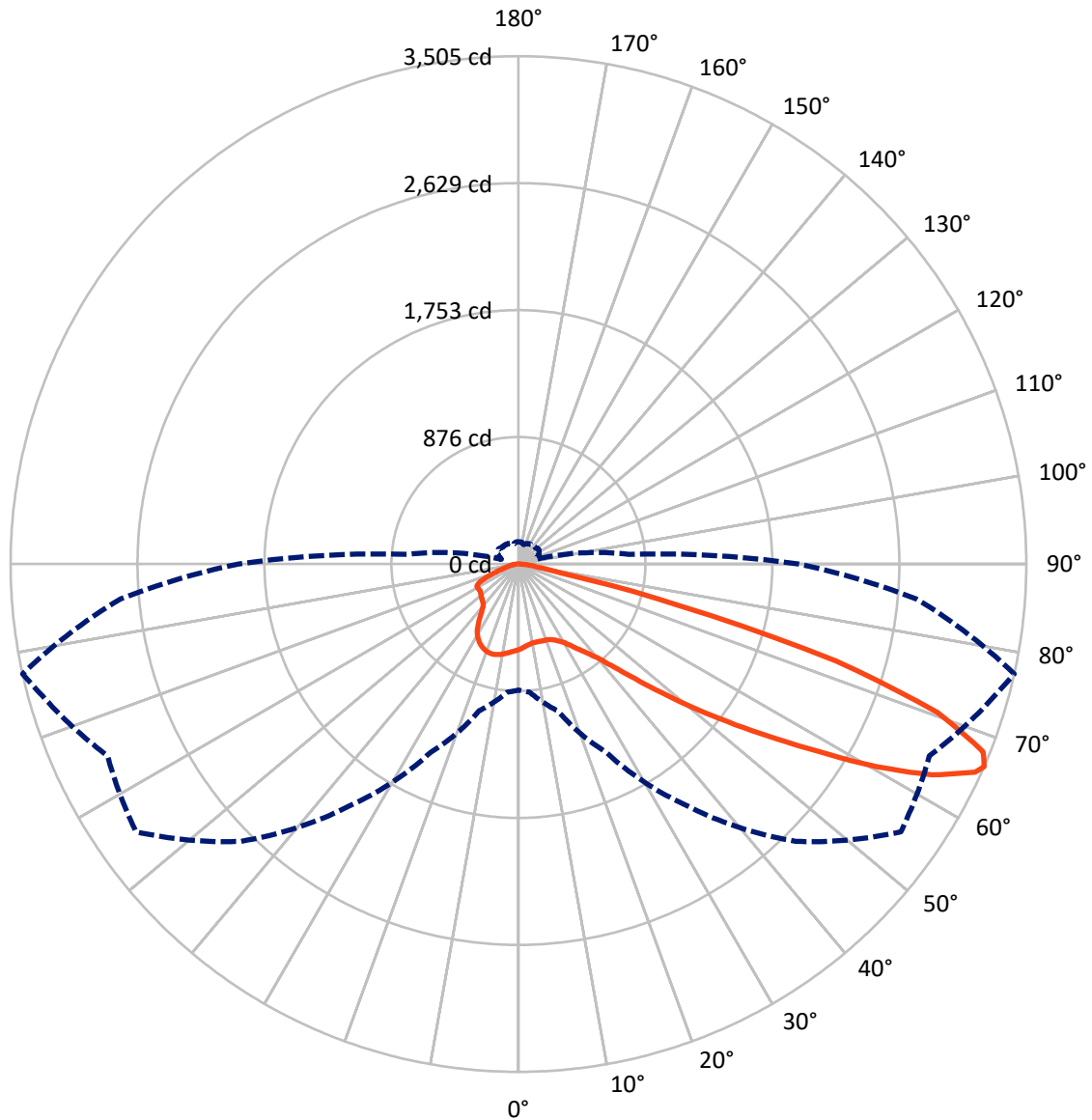
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	707.4	0.0	707.4
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3433.5	0.0	3433.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	4140.9	0.0	4140.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.3
10°-20°	148.7	3.6
20°-30°	253.8	6.1
30°-40°	406.3	9.8
40°-50°	627.8	15.2
50°-60°	890.4	21.5
60°-70°	1191.1	28.8
70°-80°	517.3	12.5
80°-90°	52.8	1.3
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°	4140.9	100.0
0°-180°	4140.9	100.0



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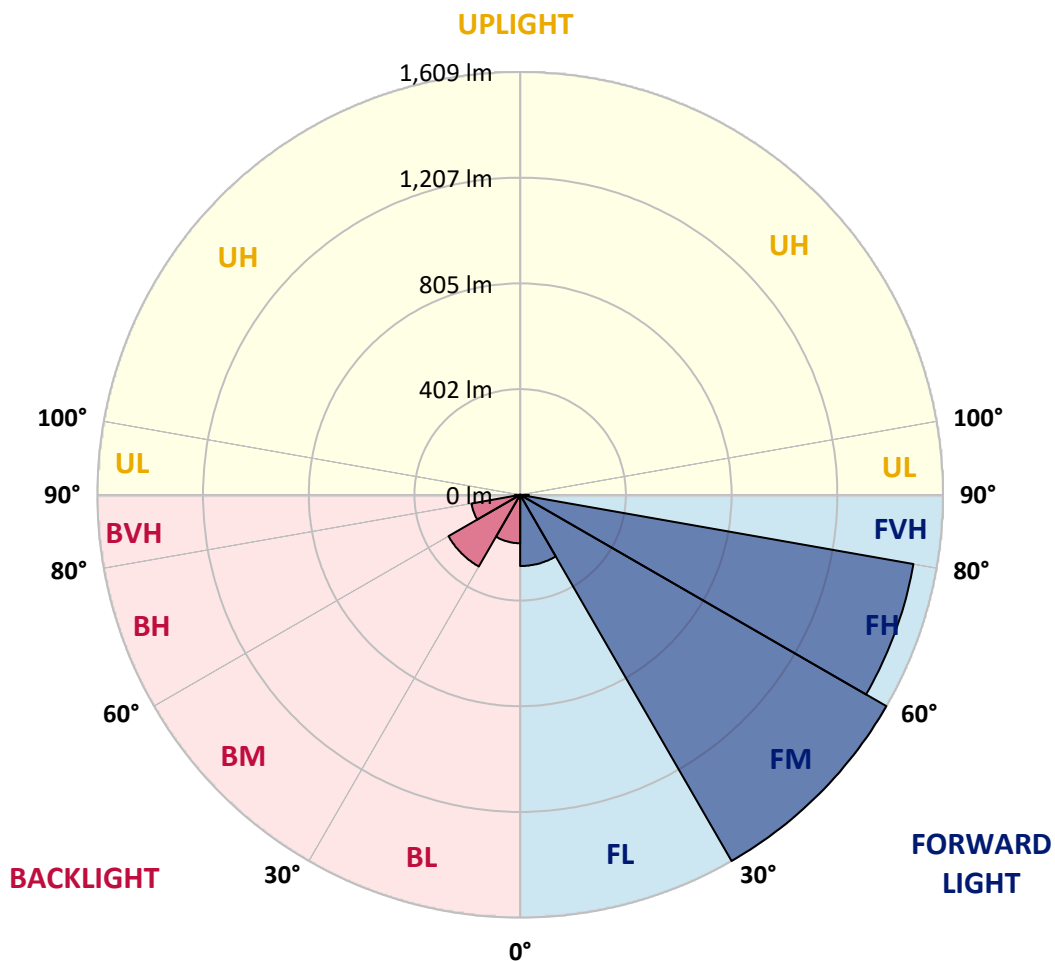
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.0	6.5			
FM	(30°-60°)	1609.4	38.9			
FH	(60°-80°)	1520.0	36.7			G1/1800
FVH	(80°-90°)	33.1	0.8			G1/100
BL	(0°-30°)	184.2	4.4	B1/500		
BM	(30°-60°)	315.1	7.6	B1/1000		
BH	(60°-80°)	188.4	4.5	B1/500		G1/500
BVH	(80°-90°)	19.7	0.5			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	522.0	525.5	528.5	531.2	536.7	545.6	556.0	564.5	576.6	579.0	585.4
5°	474.0	474.0	476.4	480.5	488.0	501.5	515.6	534.4	560.7	567.0	584.2
7.5°	450.8	451.0	452.4	455.8	462.3	474.6	490.1	512.2	548.1	558.5	587.7
10°	459.4	457.5	454.5	452.8	453.8	461.0	475.6	500.3	540.2	553.5	595.6
12.5°	507.5	503.8	493.7	480.2	467.2	461.9	470.6	494.6	536.9	552.3	606.0
15°	586.1	584.6	565.6	537.7	506.3	480.2	474.3	492.4	537.2	553.7	618.3
17.5°	684.8	682.7	657.6	616.9	565.9	514.7	487.4	494.2	538.6	556.0	630.2
20°	784.4	777.7	750.7	702.2	636.7	561.9	509.1	498.8	540.4	558.7	642.8
22.5°	858.8	853.4	829.0	781.9	706.4	616.6	538.2	506.5	546.1	566.1	658.2
25°	924.2	924.5	900.4	854.9	776.8	674.4	575.8	527.5	560.6	581.3	679.4
27.5°	1004.8	1000.2	977.7	932.5	846.4	732.9	621.2	556.2	582.2	603.0	707.1
30°	1101.6	1098.3	1072.2	1020.9	923.7	795.7	673.0	589.7	609.8	631.6	743.5
32.5°	1215.2	1213.7	1186.7	1120.7	1013.0	869.7	733.9	633.9	651.3	673.8	795.7
35°	1348.7	1348.8	1317.0	1237.7	1110.5	955.8	802.9	690.8	701.8	725.3	857.9
37.5°	1430.9	1440.8	1428.9	1348.0	1221.1	1052.0	892.5	766.4	759.4	783.1	924.7
40°	1448.4	1460.6	1498.4	1457.3	1344.8	1158.1	972.0	839.0	830.2	859.1	1010.5
42.5°	1423.7	1440.6	1520.5	1549.4	1476.0	1288.8	1078.8	946.7	935.6	974.6	1117.4
45°	1409.1	1421.7	1514.0	1597.4	1589.9	1436.5	1214.9	1082.2	1078.1	1129.0	1240.6
47.5°	1383.7	1395.0	1483.8	1608.6	1656.8	1571.9	1378.2	1247.7	1255.7	1322.7	1379.7
50°	1397.4	1402.2	1450.2	1580.1	1676.1	1671.1	1560.8	1439.5	1466.8	1550.4	1537.3
52.5°	1395.5	1407.6	1446.3	1533.6	1678.8	1732.3	1740.6	1653.3	1711.0	1806.9	1712.0
55°	1128.2	1150.5	1400.2	1521.9	1687.7	1792.4	1900.6	1878.7	1986.4	2098.0	1909.2
57.5°	1077.3	1091.4	1229.9	1546.4	1735.5	1907.1	2078.6	2126.8	2306.8	2436.5	2149.4
60°	1067.4	1084.7	1228.2	1576.6	1832.3	2094.0	2342.6	2427.0	2696.7	2838.8	2428.1
62.5°	1036.3	1055.0	1216.6	1572.7	1969.8	2352.4	2680.4	2746.4	3066.6	3204.7	2661.1
65°	937.6	955.2	1122.5	1509.5	2062.6	2628.2	3080.4	3039.1	3358.4	3462.3	2777.4
66°	870.1	887.3	1048.4	1435.1	2041.1	2706.6	3222.0	3129.7	3423.7	3505.1	2754.7
67.5°	746.7	760.1	904.3	1268.6	1926.7	2728.4	3341.2	3197.8	3430.6	3459.3	2625.0
70°	471.8	475.6	587.7	875.7	1458.4	2366.2	3159.9	3028.7	3147.8	3069.8	2200.6
72.5°	204.7	203.3	282.1	445.6	825.7	1587.7	2556.0	2499.1	2469.2	2291.5	1540.4
75°	113.8	115.5	146.5	206.8	335.5	779.9	1672.1	1600.1	1351.0	1152.8	698.5
77.5°	91.3	93.5	121.5	146.7	150.7	271.9	782.4	636.7	383.3	307.6	194.1
80°	72.2	76.2	106.1	114.2	101.5	112.1	252.8	202.1	151.7	139.1	100.5
82.5°	57.2	59.9	91.0	86.6	71.0	75.5	121.1	118.0	98.7	89.8	58.1
85°	41.1	46.2	74.8	65.1	46.6	51.0	80.5	77.1	56.6	46.2	25.6
87.5°	16.8	22.0	52.9	43.2	26.0	23.7	40.1	37.8	26.8	19.5	12.7
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°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	589.6	594.3	600.3	603.9	606.0	607.4	609.4	609.2	609.8	610.1	610.9
5°	593.4	601.3	610.1	612.4	612.4	610.2	608.1	604.5	603.2	602.8	603.2
7.5°	603.5	612.2	619.8	617.1	611.2	602.7	591.4	581.7	576.5	574.6	574.2
10°	616.6	626.9	630.0	619.6	602.4	581.7	559.6	543.6	534.4	531.8	531.0
12.5°	632.2	641.9	637.6	615.7	583.9	550.3	519.8	494.2	475.1	468.9	468.6
15°	649.4	656.9	641.9	603.5	556.0	506.8	452.4	408.2	384.3	376.6	376.1
17.5°	665.4	669.3	639.3	582.5	515.1	435.3	363.2	329.1	320.9	322.9	323.2
20°	679.1	679.1	630.8	552.2	450.8	341.2	295.6	295.0	300.9	306.8	308.0
22.5°	694.3	685.2	615.7	509.2	359.6	279.1	272.6	278.1	284.7	291.1	292.2
25°	712.8	690.1	594.8	444.3	282.8	253.6	256.1	260.6	264.0	268.0	268.7
27.5°	733.5	696.3	567.2	354.9	245.4	237.5	239.5	241.0	240.7	242.2	242.7
30°	758.4	703.6	529.5	277.4	229.9	223.9	220.2	218.9	218.9	221.5	222.5
32.5°	791.6	714.3	475.3	237.7	222.5	214.0	202.6	197.6	199.6	208.1	210.1
35°	828.1	725.9	401.8	224.2	220.9	209.6	192.0	182.6	182.8	190.7	193.3
37.5°	868.2	740.6	321.4	221.7	224.4	209.8	186.3	173.4	168.0	168.0	169.1
40°	919.2	755.6	260.2	223.4	231.8	212.1	183.3	166.1	151.3	151.7	152.4
42.5°	985.7	768.5	227.4	227.2	240.8	215.2	183.1	156.6	143.5	152.4	160.4
45°	1059.7	774.9	212.8	230.5	248.1	217.2	180.0	154.9	144.5	170.8	186.1
47.5°	1144.8	771.3	204.9	231.6	249.8	217.2	176.5	158.7	151.5	197.8	215.6
50°	1238.1	760.6	197.0	229.3	249.2	216.8	179.8	162.4	153.9	202.4	214.8
52.5°	1347.9	751.4	188.8	224.2	245.2	214.5	183.8	160.8	146.0	184.1	192.8
55°	1473.2	754.1	179.6	217.0	238.7	210.6	182.4	154.6	137.5	162.2	167.5
57.5°	1633.1	784.4	168.7	207.8	229.9	203.7	177.4	151.7	135.1	147.2	150.2
60°	1811.7	837.3	154.9	198.7	218.9	192.8	173.7	153.0	136.1	146.0	147.5
62.5°	1942.8	867.9	143.2	185.0	204.1	180.6	169.1	154.7	139.3	150.1	149.6
65°	1978.4	817.5	128.6	165.3	183.9	167.8	163.2	156.7	140.7	153.4	151.7
66°	1928.7	763.0	122.1	156.1	173.7	161.6	160.3	156.6	140.1	153.8	150.9
67.5°	1807.4	651.5	110.9	142.6	157.6	152.2	155.5	154.7	138.5	153.4	149.2
70°	1474.1	444.5	94.9	118.8	131.1	134.1	146.5	148.5	133.4	146.5	137.5
72.5°	1030.0	270.8	83.9	92.1	106.1	114.2	134.2	139.9	126.6	128.0	119.3
75°	497.7	143.7	76.2	71.4	82.4	95.5	119.3	128.2	115.9	107.1	103.9
77.5°	155.1	87.9	64.6	57.5	64.6	77.1	99.8	112.3	103.1	89.6	88.4
80°	83.4	64.6	49.7	46.2	51.1	60.4	78.4	93.8	88.6	80.5	71.8
82.5°	54.9	41.8	36.8	35.8	38.9	46.2	58.4	77.7	77.7	68.9	50.0
85°	28.4	25.6	25.2	25.2	27.2	30.7	39.8	59.9	63.8	36.4	30.1
87.5°	14.1	14.6	13.6	14.3	15.3	15.1	19.0	30.1	35.9	22.1	18.3
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)