

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: P199923

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24297)  
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-AFL-7030-600-HSS  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3314.9 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B0 - U0 - G0

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

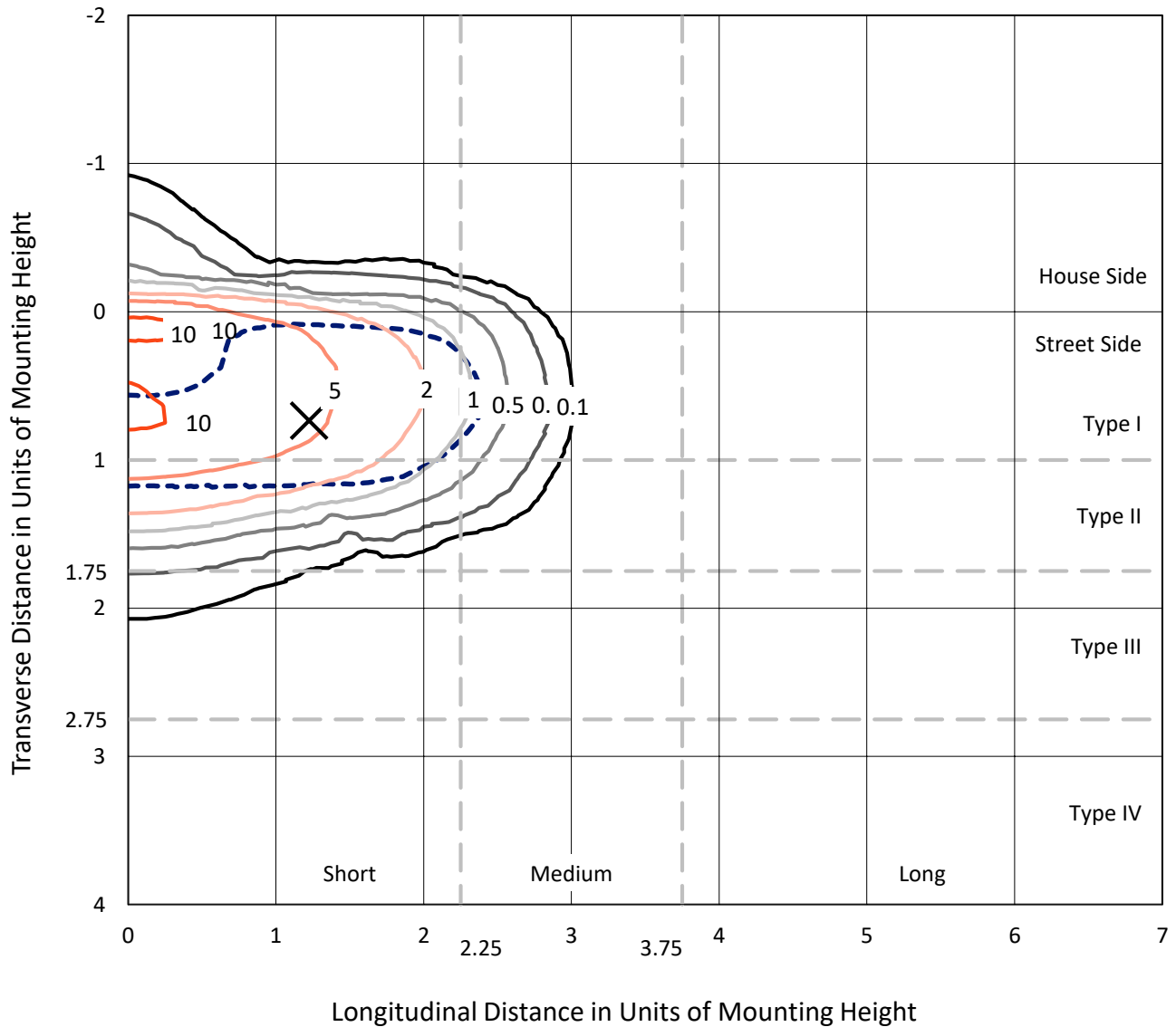


REPORT NUMBER: P199923

CATALOG NUMBER: GPC-AF-01-LED-E1-AFL-7030-600-HSS

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

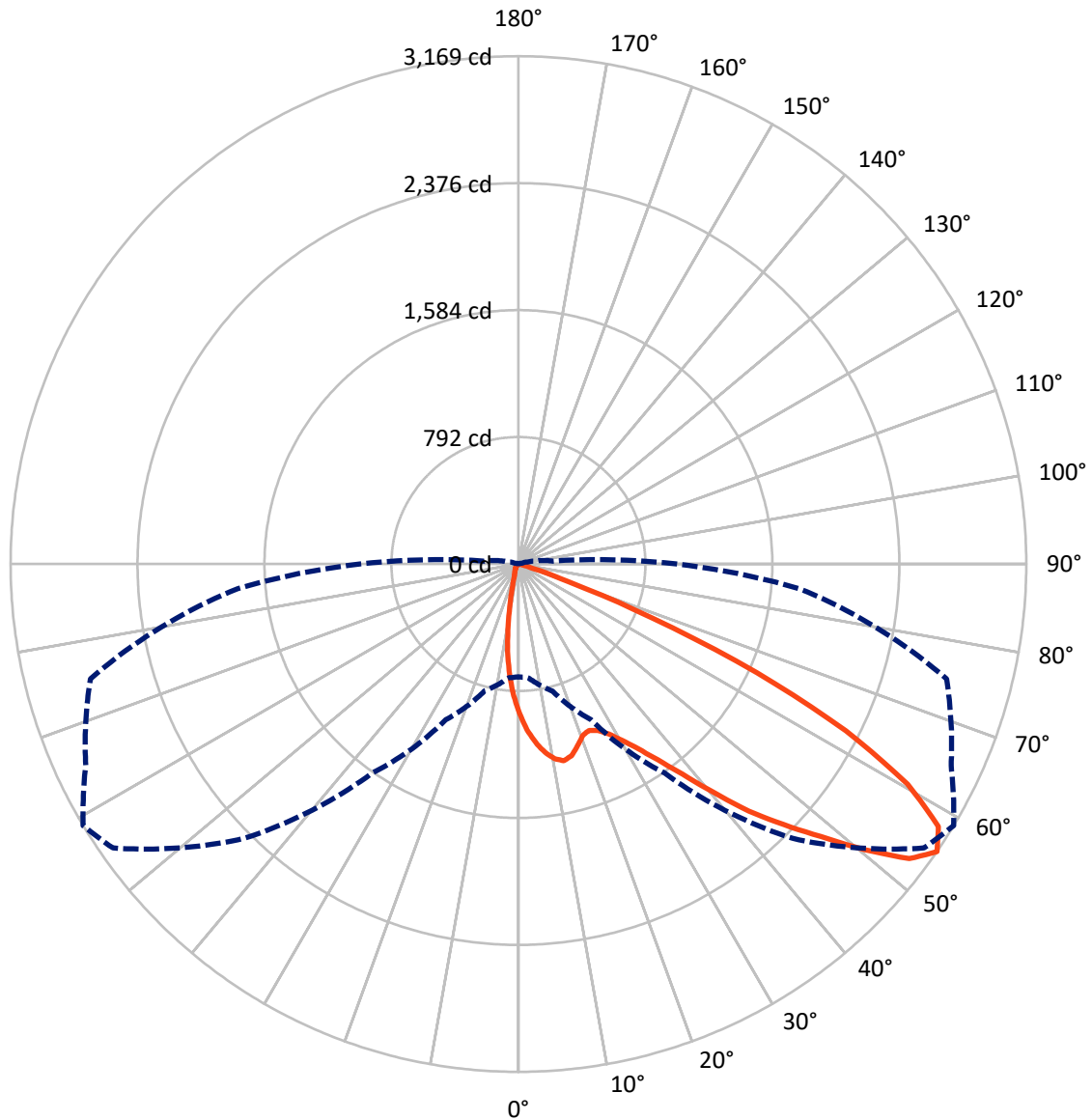


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P199923

CATALOG NUMBER: GPC-AF-01-LED-E1-AFL-7030-600-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P199923

CATALOG NUMBER: GPC-AF-01-LED-E1-AFL-7030-600-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	185.2	0.0	185.2
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	3129.8	0.0	3129.8
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	3314.9	0.0	3314.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.2	2.4
10°-20°	187.1	5.6
20°-30°	318.4	9.6
30°-40°	547.6	16.5
40°-50°	845.5	25.5
50°-60°	850.0	25.6
60°-70°	435.9	13.1
70°-80°	47.2	1.4
80°-90°	4.9	0.1
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°	3314.9	100.0
0°-180°	3314.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P199923

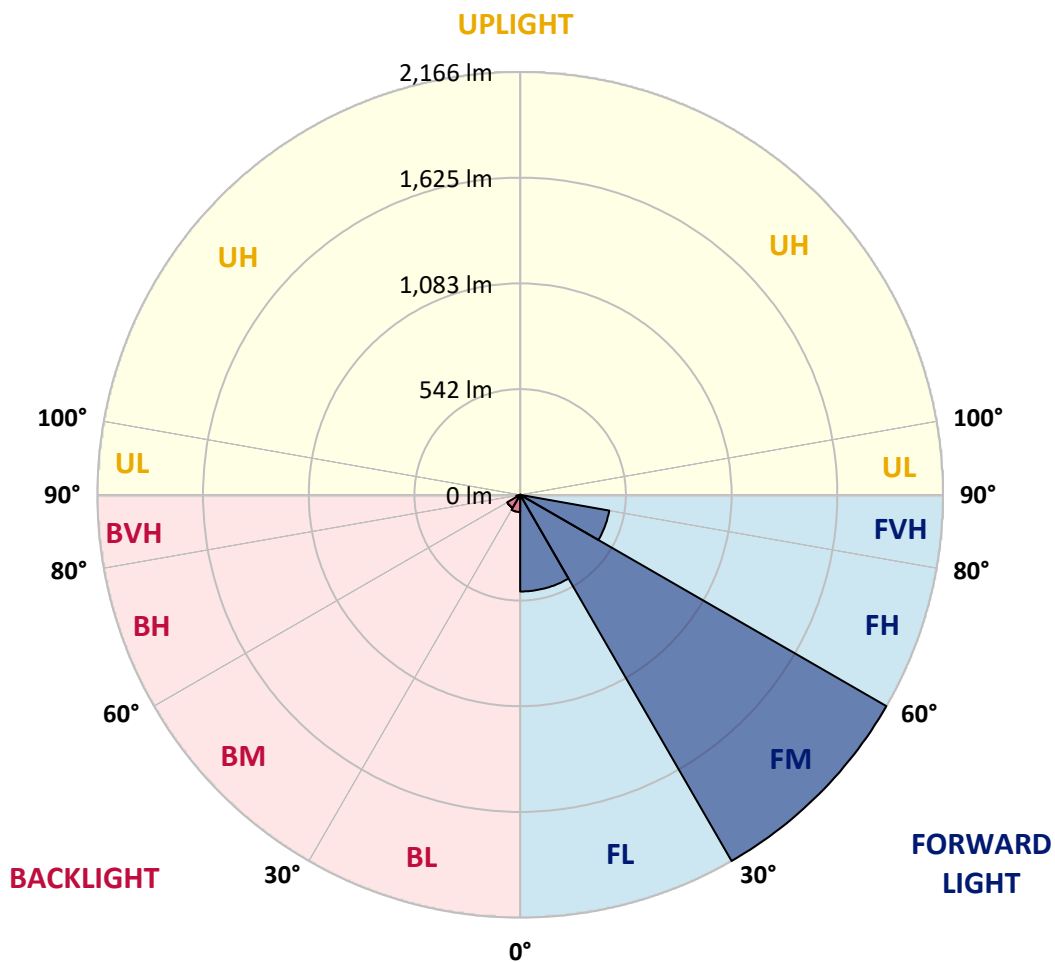
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.4	14.9			
FM (30°-60°)	2166.3	65.3			
FH (60°-80°)	463.3	14.0			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	88.4	2.7	B0/110		
BM (30°-60°)	76.8	2.3	B0/220		
BH (60°-80°)	19.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type II Short





REPORT NUMBER: P199923

CATALOG NUMBER: GPC-AF-01-LED-E1-AFL-7030-600-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	1104.1	1092.4	1088.9	1086.5	1075.7	1062.2	1043.9	1035.2	1017.6	989.3	954.5
5°	1205.2	1203.1	1195.3	1190.9	1179.5	1160.3	1131.0	1116.8	1088.9	1041.1	978.8
7.5°	1161.1	1174.5	1185.4	1203.3	1226.0	1225.3	1200.5	1185.9	1154.6	1091.6	1005.7
10°	990.2	1001.3	1018.9	1059.7	1143.1	1216.6	1245.5	1234.9	1209.9	1137.9	1031.7
12.5°	956.8	955.7	958.7	970.7	1014.4	1119.2	1237.9	1259.2	1254.2	1180.4	1056.4
15°	974.6	973.3	972.9	977.0	987.4	1031.7	1180.6	1241.8	1281.2	1219.8	1077.3
17.5°	1024.6	1018.7	1015.4	1012.2	1009.0	1020.1	1111.7	1193.1	1285.2	1254.2	1094.8
20°	1110.0	1100.2	1088.7	1069.8	1052.2	1046.8	1082.8	1143.1	1270.5	1280.4	1106.0
22.5°	1217.3	1204.9	1184.9	1150.7	1114.9	1094.1	1097.1	1127.2	1248.8	1308.9	1111.3
25°	1338.1	1322.0	1295.5	1247.8	1195.3	1158.4	1139.3	1149.9	1238.7	1342.4	1117.4
27.5°	1467.4	1449.6	1414.8	1350.0	1290.4	1240.6	1201.6	1200.2	1255.7	1386.2	1127.2
30°	1595.5	1592.8	1547.4	1479.0	1399.9	1339.4	1283.1	1275.9	1303.3	1446.8	1146.5
32.5°	1766.5	1746.0	1690.5	1620.0	1528.9	1456.2	1389.6	1372.8	1376.2	1517.5	1176.5
35°	1982.1	1959.6	1881.3	1784.1	1682.1	1596.5	1522.7	1499.9	1491.3	1633.1	1227.0
37.5°	2121.4	2120.9	2071.9	1972.9	1863.5	1769.0	1688.8	1662.1	1644.7	1772.7	1305.2
40°	2125.1	2134.3	2140.7	2139.8	2061.9	1974.9	1903.7	1870.6	1830.1	1959.3	1406.3
42.5°	2011.0	2034.7	2091.7	2188.3	2234.5	2199.8	2139.8	2107.3	2047.1	2159.2	1529.6
45°	1856.9	1873.4	1972.9	2150.9	2328.0	2422.9	2377.1	2318.9	2239.5	2367.4	1640.1
47.5°	1787.8	1790.8	1855.1	2050.6	2335.0	2605.5	2633.3	2538.8	2414.4	2535.4	1726.7
50°	1581.4	1586.8	1675.5	1876.6	2252.5	2691.8	2890.8	2801.2	2605.2	2664.7	1758.1
52.5°	1191.9	1199.3	1312.1	1590.9	2025.5	2655.0	3075.1	3053.4	2814.1	2727.7	1759.8
55°	703.3	713.0	820.6	1070.8	1593.2	2421.0	3088.8	3168.5	2979.0	2765.2	1757.1
57.5°	328.5	335.3	396.9	551.6	990.9	1913.4	2882.6	3089.6	3069.9	2784.9	1776.4
60°	174.5	176.5	191.3	238.8	447.8	1213.4	2480.1	2789.8	2987.0	2812.4	1800.1
62.5°	133.4	134.0	133.2	138.9	188.2	538.5	1874.7	2293.6	2653.2	2791.8	1774.0
65°	115.6	116.6	111.1	109.7	120.7	192.1	1113.7	1634.8	2084.7	2514.6	1595.3
67.5°	103.7	104.2	97.5	91.8	93.8	103.9	439.3	895.0	1380.0	1843.2	1156.4
70°	95.5	95.0	87.9	78.8	76.3	71.0	139.7	328.1	659.5	934.7	537.8
72.5°	84.4	84.6	81.2	69.5	63.4	49.7	64.8	95.7	196.7	254.7	125.9
75°	75.0	74.0	69.6	62.2	52.2	32.7	32.1	42.6	60.6	60.2	27.2
77.5°	54.2	53.2	54.6	51.1	40.1	21.1	16.1	20.5	24.7	23.8	7.6
80°	39.7	39.2	35.2	42.5	35.4	14.4	10.0	10.9	12.7	10.7	2.3
82.5°	27.2	27.0	24.8	23.5	20.1	8.8	6.2	6.9	8.2	6.1	1.2
85°	4.3	4.9	18.0	14.3	11.9	4.0	4.3	4.7	5.5	3.3	0.4
87.5°	0.0	0.0	8.4	7.4	2.3	1.5	2.5	2.7	2.7	1.7	0.0
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°	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2	933.2
2.5°	936.7	917.1	880.9	843.6	808.9	767.6	739.2	718.0	693.2	686.7	701.1
5°	943.1	906.2	828.3	743.6	664.0	575.7	508.3	454.8	406.6	390.0	405.0
7.5°	953.3	898.3	771.4	631.8	493.5	355.6	261.3	199.4	159.8	148.0	154.4
10°	963.4	886.9	705.4	499.7	310.3	173.1	112.6	90.0	81.6	79.9	80.8
12.5°	971.9	871.7	625.1	355.3	165.8	92.8	73.8	70.0	68.9	68.9	69.3
15°	977.0	848.6	529.8	225.9	95.5	70.0	64.4	63.2	63.2	63.4	63.8
17.5°	976.3	819.3	425.4	136.8	71.4	62.1	58.7	57.7	57.5	57.9	58.1
20°	969.1	780.9	320.7	90.1	62.2	56.5	53.2	51.5	51.3	51.7	52.0
22.5°	955.5	733.5	229.5	69.5	56.2	51.3	47.2	45.6	45.6	46.0	46.3
25°	938.9	675.7	156.9	58.9	50.7	45.6	41.6	40.3	40.7	41.6	41.8
27.5°	918.1	610.5	106.6	50.5	44.0	39.9	36.9	35.9	36.9	38.4	38.8
30°	900.3	542.7	76.1	43.6	37.3	34.4	32.7	32.7	34.1	36.6	37.1
32.5°	886.5	476.9	58.7	38.6	32.4	29.9	29.0	29.9	32.1	34.6	35.2
35°	884.8	422.8	49.7	34.4	29.0	26.4	26.0	27.8	29.9	31.9	32.2
37.5°	898.3	372.7	44.8	31.1	25.7	23.5	23.1	25.2	27.5	29.7	30.4
40°	923.9	333.3	41.3	28.0	23.3	20.8	20.0	21.6	24.5	27.6	28.4
42.5°	957.2	300.9	37.3	24.8	20.8	17.3	16.3	18.0	21.1	24.5	25.4
45°	988.9	272.9	33.1	21.3	17.4	13.3	12.9	15.3	16.8	20.1	21.0
47.5°	1006.3	248.2	29.4	17.4	13.5	10.7	10.7	11.4	12.9	16.8	17.6
50°	1000.5	228.5	25.4	12.9	9.4	8.2	8.2	7.9	10.4	13.5	14.1
52.5°	988.7	217.1	22.0	10.0	6.4	5.9	5.3	5.9	7.2	8.6	8.8
55°	986.9	215.2	18.3	7.9	4.5	4.0	2.9	2.9	2.9	2.7	2.3
57.5°	1000.6	218.3	15.4	6.4	3.3	2.5	1.5	0.0	0.0	0.0	0.0
60°	1014.7	221.7	13.3	4.5	2.3	1.4	0.2	0.0	0.0	0.0	0.0
62.5°	991.2	214.2	11.2	2.7	1.7	0.5	0.0	0.0	0.0	0.0	0.0
65°	870.7	182.4	8.8	1.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	619.4	122.1	5.9	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	282.7	51.1	3.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	60.4	15.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	12.3	11.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)