

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: P199975

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P199975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)  
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-SL3-7030  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6149.1 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

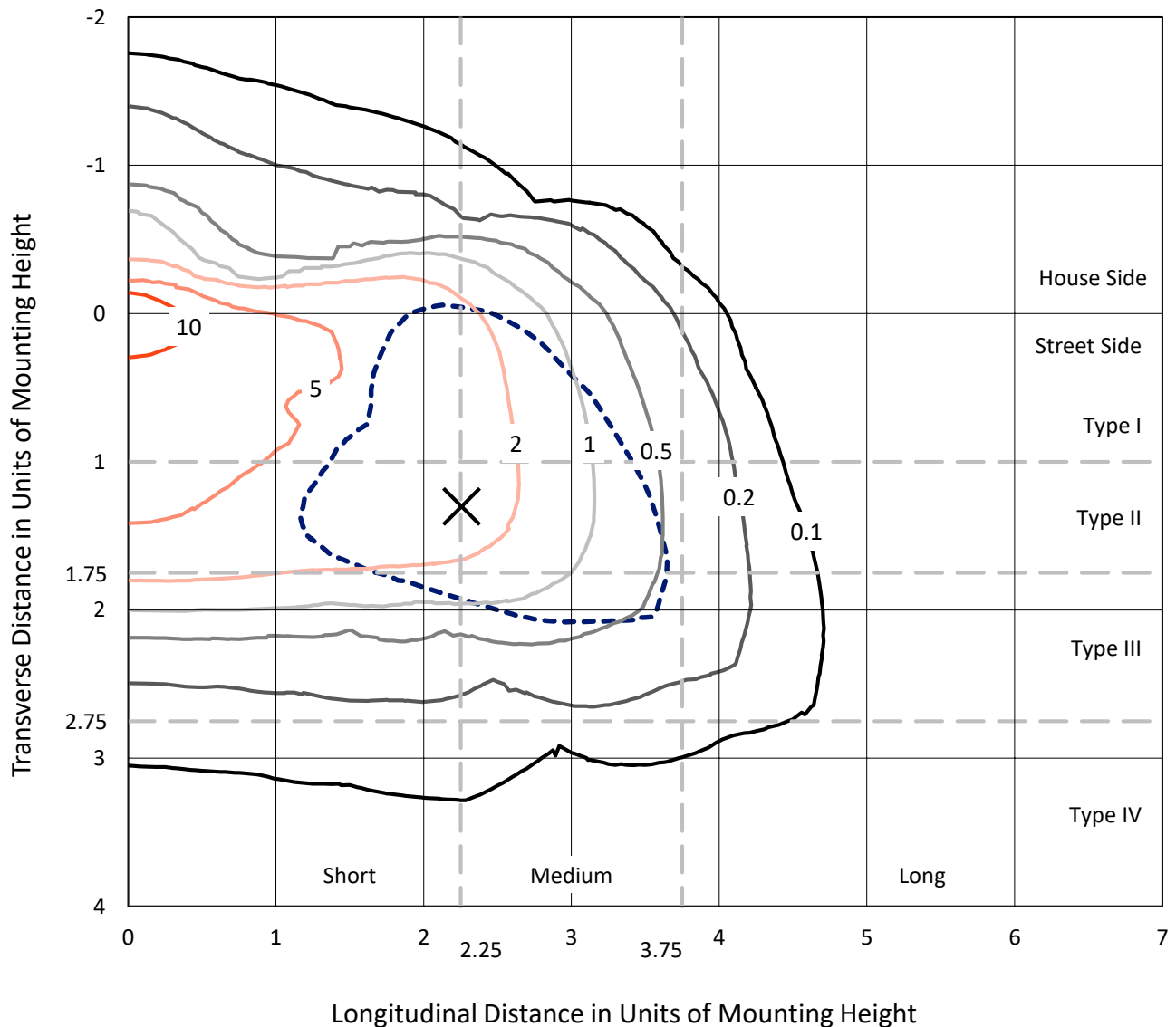
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

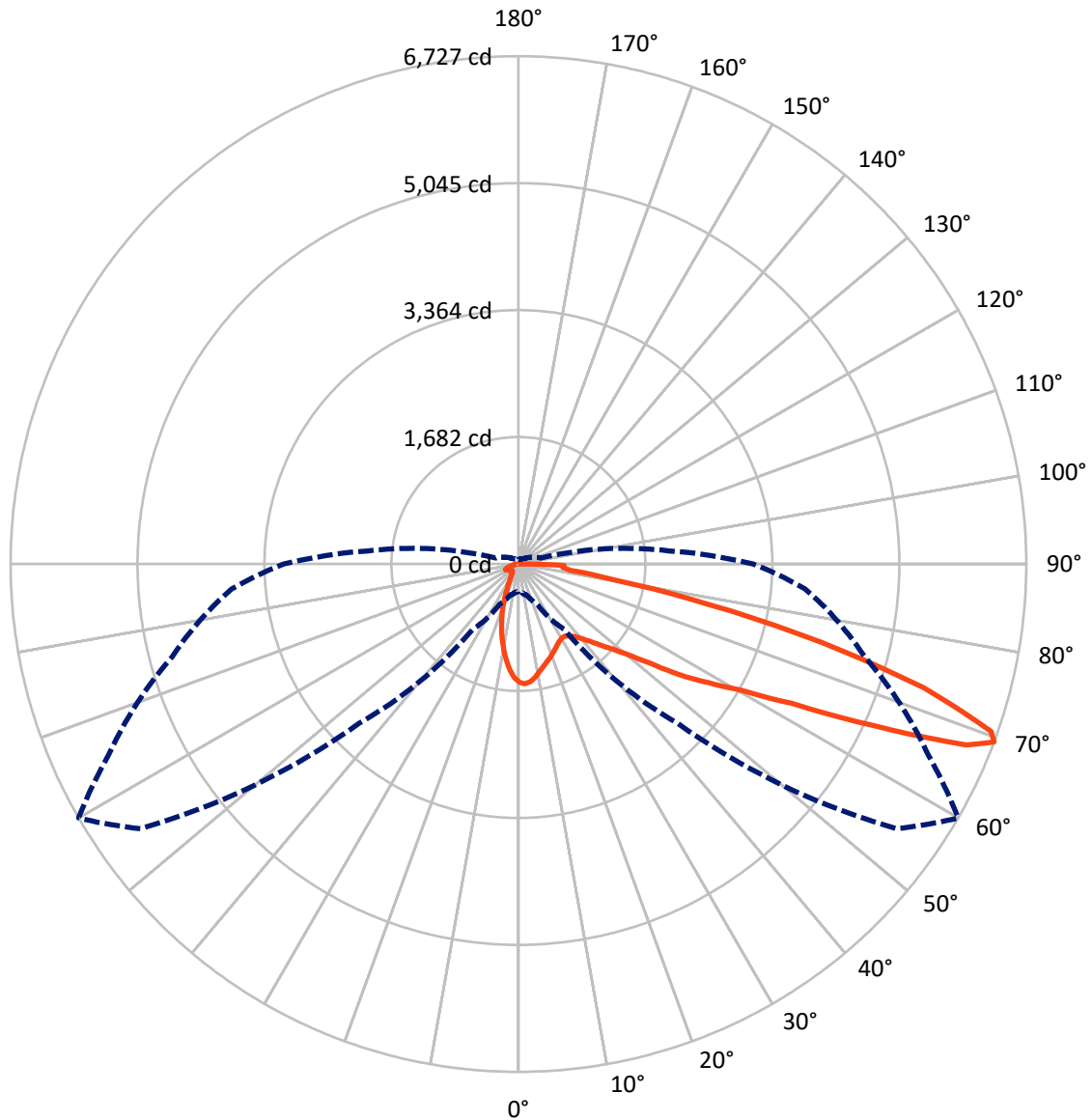
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	874.8	0.0	874.8
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	5274.3	0.0	5274.3
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	6149.1	0.0	6149.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.5	2.2
10°-20°	282.3	4.6
20°-30°	359.7	5.8
30°-40°	494.4	8.0
40°-50°	802.3	13.0
50°-60°	1286.7	20.9
60°-70°	1712.5	27.8
70°-80°	924.6	15.0
80°-90°	154.3	2.5
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°	6149.1	100.0
0°-180°	6149.1	100.0



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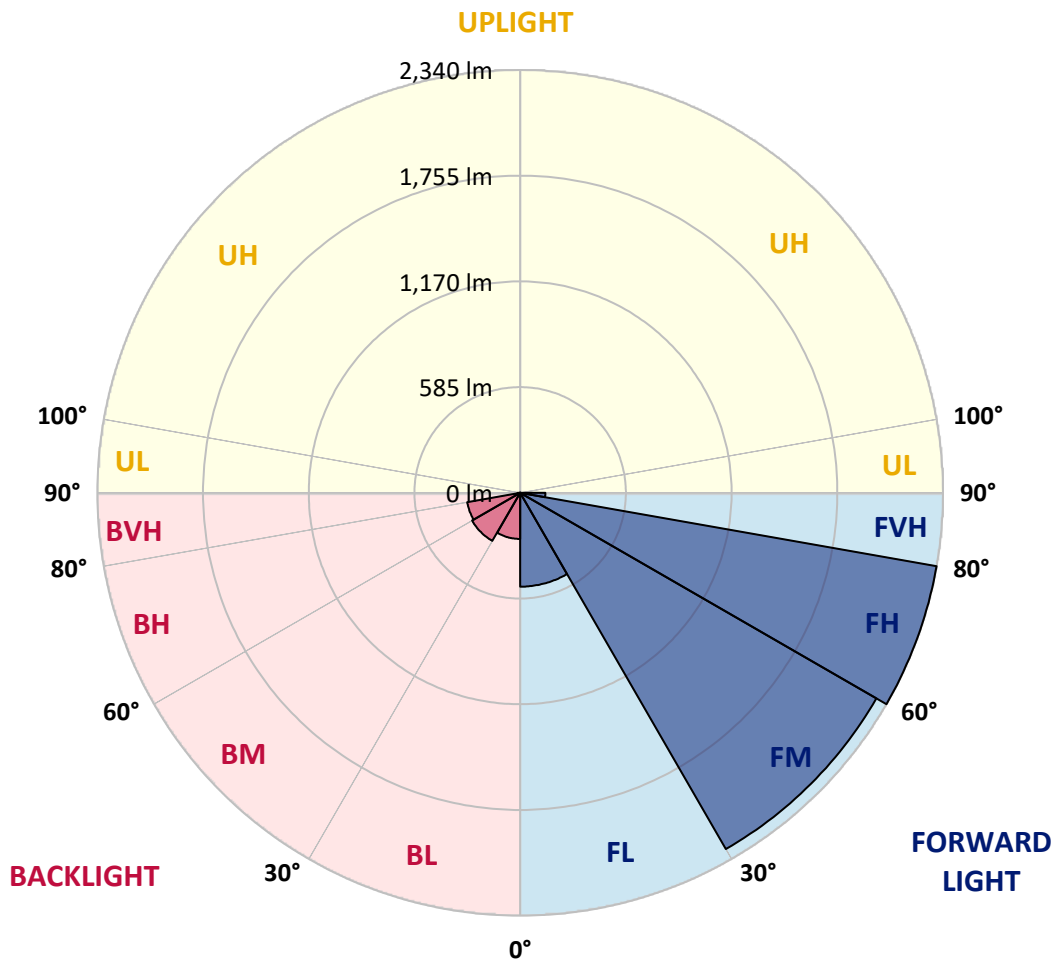
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	519.2	8.4			
FM	(30°-60°)	2276.0	37.0			
FH	(60°-80°)	2339.6	38.0			G2/5000
FVH	(80°-90°)	139.4	2.3			G2/225
BL	(0°-30°)	255.2	4.2	B1/500		
BM	(30°-60°)	307.3	5.0	B1/1000		
BH	(60°-80°)	297.4	4.8	B1/500		G1/500
BVH	(80°-90°)	14.9	0.2			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1599.0	1602.5	1601.0	1600.1	1602.9	1598.7	1590.0	1587.4	1583.2	1573.5	1556.8
5°	1538.9	1549.7	1549.1	1557.1	1570.5	1574.0	1570.2	1570.7	1563.1	1550.8	1523.2
7.5°	1435.3	1439.7	1442.1	1459.7	1484.0	1503.6	1520.3	1525.6	1522.0	1511.6	1476.0
10°	1328.4	1332.0	1337.6	1358.1	1389.0	1416.0	1447.4	1465.6	1473.4	1471.5	1431.8
12.5°	1236.6	1240.1	1247.5	1270.6	1307.7	1340.8	1386.6	1409.1	1427.6	1438.6	1395.8
15°	1154.4	1162.0	1169.2	1195.9	1237.2	1280.8	1332.5	1361.1	1389.6	1414.3	1364.0
17.5°	1090.2	1097.8	1102.0	1126.4	1170.3	1223.8	1284.5	1318.0	1353.6	1394.0	1332.5
20°	1053.0	1056.5	1054.8	1068.4	1108.0	1164.7	1236.6	1275.5	1318.5	1375.0	1301.1
22.5°	1042.7	1042.9	1036.4	1034.9	1060.5	1108.2	1185.5	1232.7	1285.6	1362.6	1274.0
25°	1067.9	1066.9	1049.1	1034.5	1037.3	1065.2	1136.2	1191.2	1258.0	1359.8	1253.2
27.5°	1124.0	1126.7	1100.2	1072.9	1045.8	1044.9	1098.7	1156.7	1235.4	1372.1	1244.4
30°	1202.7	1207.2	1178.9	1144.2	1093.3	1051.5	1084.2	1136.2	1221.4	1397.3	1242.9
32.5°	1288.8	1293.6	1272.3	1235.7	1169.2	1091.9	1094.3	1137.9	1220.9	1432.6	1252.8
35°	1380.6	1386.0	1375.0	1344.1	1270.1	1166.5	1132.9	1166.8	1240.1	1486.7	1280.0
37.5°	1483.0	1491.4	1494.4	1464.9	1386.0	1264.7	1196.2	1221.4	1283.8	1561.9	1329.5
40°	1630.8	1642.3	1641.4	1599.2	1518.8	1397.5	1293.9	1300.4	1351.9	1662.3	1408.9
42.5°	1913.5	1915.9	1841.9	1750.2	1664.9	1537.2	1409.1	1403.8	1445.7	1789.3	1525.6
45°	2273.2	2263.5	2098.9	1921.6	1817.6	1697.6	1559.1	1533.0	1564.8	1944.4	1671.7
47.5°	2571.8	2549.2	2341.3	2096.4	1979.2	1871.9	1735.2	1689.5	1707.0	2120.2	1860.6
50°	2675.4	2658.5	2486.2	2242.1	2132.2	2084.6	1952.1	1887.4	1892.2	2330.0	2081.9
52.5°	2653.2	2650.7	2535.8	2338.0	2275.4	2308.0	2259.3	2171.6	2125.3	2562.9	2320.7
55°	2600.6	2605.7	2564.1	2449.7	2439.0	2523.7	2660.6	2595.8	2451.8	2797.8	2567.6
57.5°	2417.9	2431.0	2522.5	2590.2	2702.4	2828.4	2983.8	2965.4	2803.1	3051.8	2861.1
60°	1948.0	1978.2	2223.7	2562.9	2973.7	3367.6	3437.1	3394.2	3165.6	3367.0	3248.8
62.5°	1364.8	1396.4	1688.0	2218.8	2929.1	3976.5	4247.4	4063.0	3686.0	3831.1	3750.5
65°	730.7	745.9	968.7	1539.6	2472.9	4102.1	5431.8	5151.0	4510.0	4403.5	4179.6
67.5°	403.0	411.4	496.7	777.4	1583.8	3612.3	6186.2	6398.2	5539.8	4784.7	4101.5
69°	364.5	372.1	428.1	588.7	1059.9	2986.7	6112.5	6727.1	5991.3	4747.0	3812.8
70°	356.4	363.7	413.8	542.7	857.9	2461.8	5865.7	6643.0	6098.9	4611.9	3560.9
72.5°	320.7	328.6	377.3	487.4	733.1	1227.4	4646.2	5616.7	5537.2	3998.8	2701.0
75°	299.2	306.3	388.9	477.4	701.9	776.8	3063.1	4139.5	4070.4	2797.2	1456.4
77.5°	128.1	127.4	180.3	403.9	712.3	752.1	1645.9	2586.0	2359.4	1195.7	418.3
80°	85.5	84.0	85.5	118.8	653.2	756.3	862.3	1312.6	991.5	304.8	206.2
82.5°	73.6	72.4	75.2	72.4	229.7	863.1	733.1	698.0	471.5	173.1	102.1
85°	49.6	47.5	64.8	65.0	108.3	767.0	825.8	589.7	381.5	102.8	50.5
87.5°	23.7	23.2	37.7	46.0	63.6	311.6	926.5	604.2	384.7	52.6	24.0
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°	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1551.7	1539.6	1527.7	1513.5	1498.6	1481.9	1473.6	1465.2	1463.2	1460.8	1452.5
5°	1509.0	1491.7	1462.0	1429.3	1394.9	1361.4	1335.8	1319.8	1307.7	1301.4	1290.4
7.5°	1453.7	1428.4	1376.4	1320.1	1262.2	1209.3	1163.5	1134.6	1107.4	1094.6	1080.0
10°	1401.1	1363.4	1282.6	1199.4	1116.3	1036.4	961.3	908.1	860.9	834.4	815.6
12.5°	1356.0	1304.3	1192.3	1079.7	965.7	851.9	739.3	650.8	576.9	538.0	518.0
15°	1311.9	1249.6	1106.5	963.5	817.1	662.4	514.5	414.1	352.9	328.6	320.2
17.5°	1272.3	1192.3	1020.4	846.5	663.9	476.7	345.8	290.5	267.0	259.1	256.3
20°	1229.1	1134.4	930.9	724.2	504.1	333.2	270.0	245.7	236.1	233.9	232.6
22.5°	1187.5	1077.4	845.3	593.2	362.0	257.2	231.9	221.9	220.3	222.5	222.5
25°	1152.2	1026.3	753.1	456.2	265.8	216.6	207.6	205.3	210.9	218.6	220.1
27.5°	1125.8	984.4	654.7	336.8	211.8	188.4	188.0	191.9	205.9	220.7	223.7
30°	1107.7	944.5	549.6	243.0	177.6	165.7	170.6	178.8	199.3	220.3	226.0
32.5°	1098.5	915.1	439.9	188.0	152.1	145.6	153.6	163.7	183.9	203.4	210.9
35°	1105.6	893.5	336.5	156.8	134.3	129.3	137.5	147.3	159.2	167.5	173.1
37.5°	1132.4	884.9	253.9	140.5	122.1	117.4	123.9	129.5	134.3	136.7	139.3
40°	1190.0	894.1	203.4	132.2	115.3	109.3	112.0	114.0	117.0	119.4	120.6
42.5°	1274.9	921.7	182.4	128.9	111.7	103.0	102.4	103.4	107.2	111.7	112.5
45°	1393.7	970.4	181.0	131.0	110.0	98.0	95.4	96.5	102.4	109.3	110.5
47.5°	1545.5	1044.7	192.8	137.2	111.5	95.4	90.9	92.5	99.8	109.0	110.5
50°	1729.3	1148.4	212.7	146.4	117.9	95.9	89.4	90.2	98.0	108.1	109.6
52.5°	1946.5	1295.4	234.4	155.3	124.8	99.8	90.5	88.5	95.6	104.6	106.3
55°	2188.0	1484.0	256.6	163.4	128.3	104.6	93.0	86.1	91.2	98.7	100.1
57.5°	2484.4	1747.8	295.2	171.1	130.7	107.8	95.4	83.8	85.5	90.9	92.1
60°	2885.7	2120.8	363.3	183.9	136.0	109.0	95.0	81.7	79.9	82.9	83.5
62.5°	3366.6	2526.1	420.0	200.0	145.0	110.0	93.3	80.2	75.2	75.2	75.7
65°	3652.1	2634.5	388.5	213.3	152.4	109.0	91.2	78.6	71.6	68.3	68.7
67.5°	3410.0	2317.0	333.0	215.9	152.1	104.9	88.0	76.1	68.1	63.0	62.8
69°	3106.8	1999.1	308.0	208.8	145.0	99.5	83.8	73.1	65.3	60.0	59.6
70°	2862.3	1805.1	291.7	201.1	137.2	95.6	80.6	70.4	63.3	58.2	57.6
72.5°	2081.1	1182.8	249.2	172.8	113.2	80.2	69.5	61.7	56.5	53.4	52.9
75°	1039.9	564.1	202.2	140.2	86.8	64.1	57.1	51.7	49.0	48.4	48.1
77.5°	341.6	258.4	144.7	104.6	64.5	50.1	46.0	42.2	41.6	43.3	42.7
80°	187.7	150.3	91.8	69.2	43.9	36.8	36.3	34.2	35.1	38.0	37.4
82.5°	95.6	78.1	56.7	41.6	29.7	26.4	28.9	27.7	28.9	31.4	31.1
85°	47.2	42.7	35.9	25.2	19.5	16.9	20.5	21.5	22.0	24.0	24.0
87.5°	27.4	25.2	19.0	11.9	9.9	9.0	11.9	11.6	13.6	14.9	14.5
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)