

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: P200607

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-8030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)  
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-SL3-8030-HSS  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4431 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

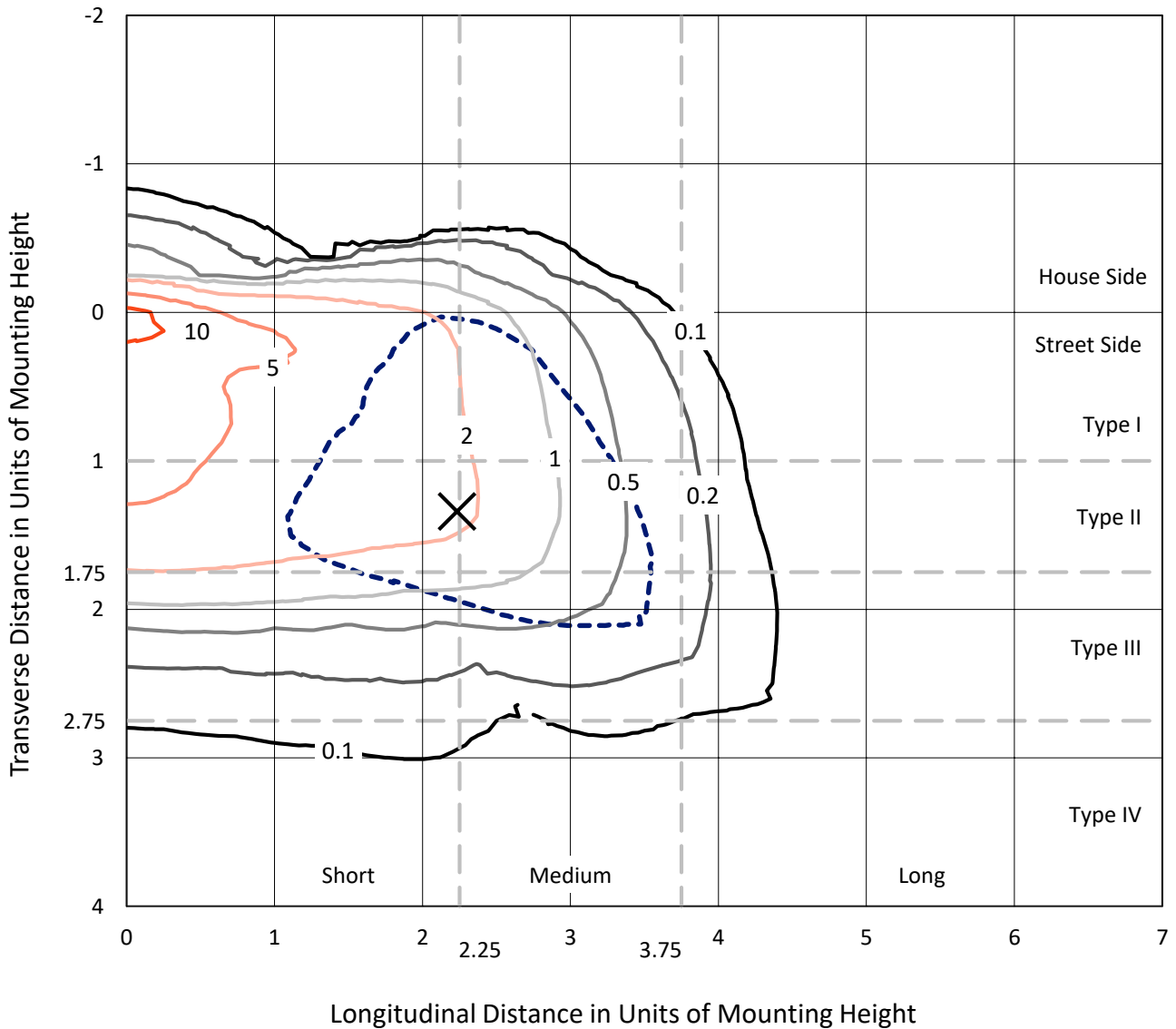
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

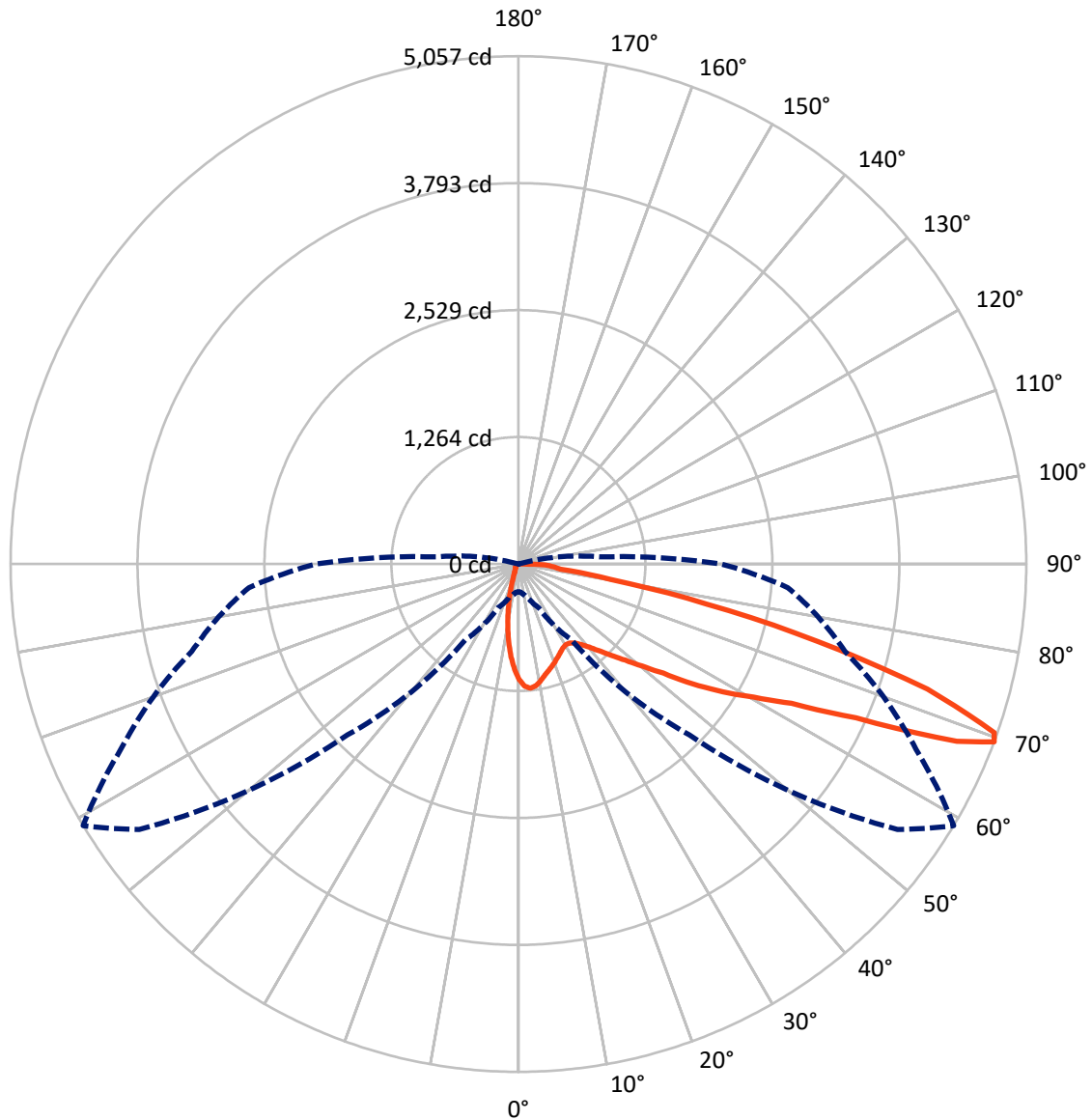
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	360.9	0.0	360.9
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	4070.2	0.0	4070.2
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	4431.0	0.0	4431.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.6	2.1
10°-20°	193.4	4.4
20°-30°	260.3	5.9
30°-40°	377.9	8.5
40°-50°	629.3	14.2
50°-60°	981.7	22.2
60°-70°	1214.7	27.4
70°-80°	615.6	13.9
80°-90°	64.4	1.5
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°	4431.0	100.0
0°-180°	4431.0	100.0



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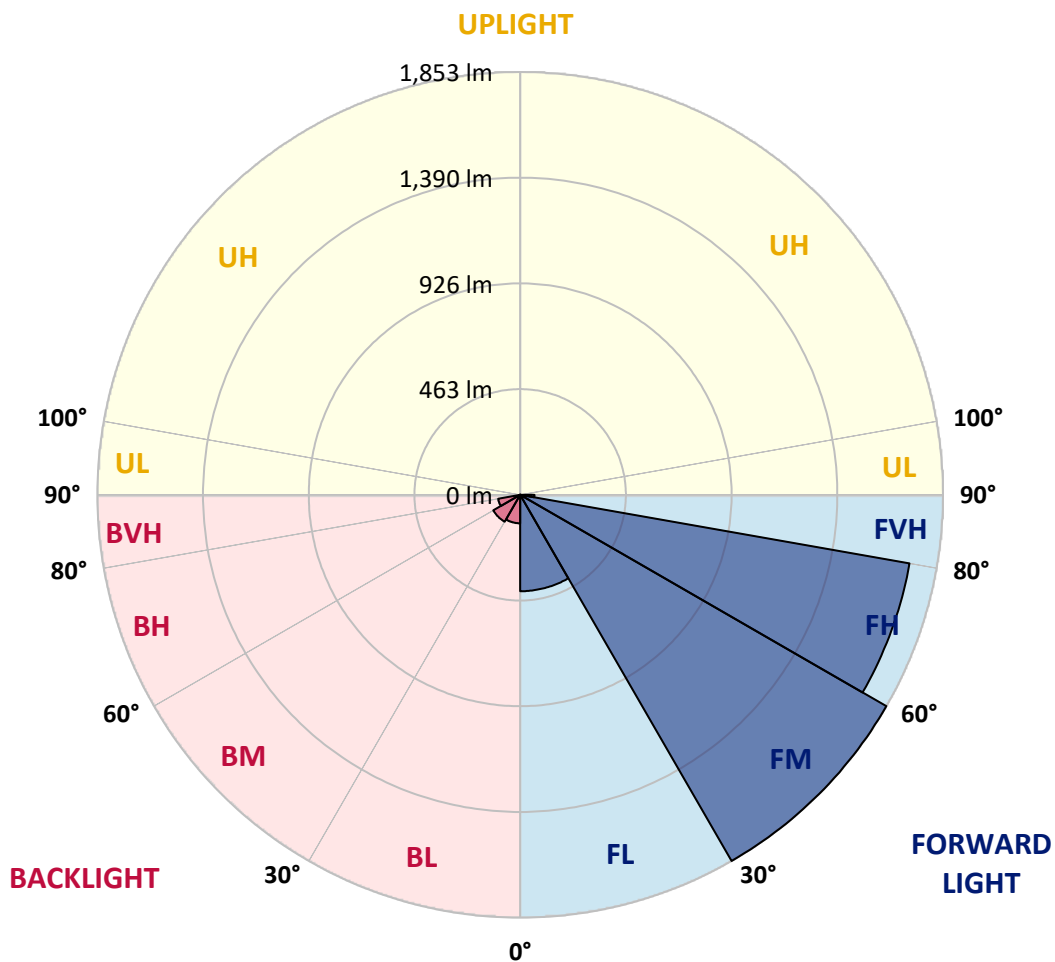
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.4	9.5			
FM	(30°-60°)	1852.9	41.8			
FH	(60°-80°)	1732.4	39.1			G1/1800
FVH	(80°-90°)	62.4	1.4			G1/100
BL	(0°-30°)	124.9	2.8	B1/500		
BM	(30°-60°)	136.0	3.1	B0/220		
BH	(60°-80°)	98.0	2.2	B0/110		G0/110
BVH	(80°-90°)	2.0	0.0			G0/10
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°	59°	65°	75°	85°
0°	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3
2.5°	1264.1	1263.6	1258.1	1255.6	1251.0	1241.5	1226.7	1219.0	1206.4	1184.6	1155.3
5°	1252.5	1258.6	1261.8	1262.1	1265.3	1261.8	1248.5	1242.0	1224.7	1189.7	1137.0
7.5°	1174.4	1176.6	1185.9	1193.9	1209.5	1224.2	1229.0	1226.2	1216.0	1178.4	1108.5
10°	1090.7	1092.9	1104.0	1114.5	1135.5	1158.3	1182.4	1187.4	1191.7	1162.3	1080.9
12.5°	1018.5	1020.8	1032.1	1045.8	1070.4	1098.5	1135.8	1144.1	1162.8	1147.1	1058.9
15°	956.4	957.4	968.4	985.5	1014.8	1050.8	1093.2	1106.5	1135.3	1136.3	1039.6
17.5°	903.5	906.0	912.8	929.1	961.1	1005.7	1055.1	1074.2	1108.0	1127.3	1020.8
20°	871.2	873.7	873.5	882.5	911.3	958.9	1017.0	1039.8	1080.9	1118.0	1004.0
22.5°	864.9	864.9	858.4	857.2	874.2	914.0	977.4	1005.2	1056.6	1114.0	992.2
25°	887.2	886.2	869.9	856.7	857.4	881.2	939.1	972.2	1036.1	1116.7	986.0
27.5°	934.3	933.1	912.5	887.2	866.9	866.7	910.0	945.6	1019.8	1129.8	988.5
30°	999.5	999.0	976.7	944.9	908.0	874.2	900.0	932.3	1009.3	1153.3	994.2
32.5°	1070.6	1069.9	1053.1	1019.5	972.9	908.0	910.5	937.6	1012.3	1184.6	1008.3
35°	1146.1	1144.8	1137.5	1108.2	1056.9	970.4	945.1	966.2	1031.3	1231.5	1035.8
37.5°	1227.7	1229.0	1234.3	1206.2	1152.3	1057.9	1003.0	1017.3	1069.6	1295.1	1080.7
40°	1348.3	1348.0	1349.8	1312.9	1261.1	1164.9	1083.9	1088.4	1133.8	1379.6	1148.8
42.5°	1567.0	1551.7	1505.4	1430.2	1378.1	1287.1	1185.9	1181.1	1212.2	1484.1	1244.3
45°	1860.9	1828.3	1708.1	1564.0	1497.3	1424.9	1311.4	1296.1	1315.9	1609.6	1362.0
47.5°	2113.7	2079.9	1909.8	1703.3	1623.9	1555.7	1458.5	1430.9	1437.5	1750.2	1511.4
50°	2199.7	2183.1	2034.5	1824.6	1746.4	1720.3	1629.1	1595.6	1586.3	1912.8	1684.5
52.5°	2169.9	2168.6	2069.6	1903.3	1858.7	1890.7	1843.9	1805.0	1771.0	2084.2	1860.7
55°	2122.0	2128.3	2083.9	1972.2	1970.7	2046.3	2137.5	2105.2	2006.5	2270.3	2012.5
57.5°	1989.9	2016.8	2075.9	2102.4	2164.1	2241.5	2382.1	2401.1	2284.4	2412.9	2138.5
60°	1614.6	1673.5	1866.9	2121.2	2413.4	2606.3	2677.2	2693.5	2512.4	2531.4	2308.7
62.5°	1146.1	1206.2	1451.5	1881.7	2417.2	3085.6	3117.0	3053.1	2763.4	2707.1	2602.1
65°	608.4	654.7	855.2	1358.3	2095.7	3196.9	3885.9	3695.5	3206.4	3052.6	2981.2
67.5°	311.2	325.2	404.9	664.7	1440.7	2839.6	4575.2	4709.3	3969.9	3395.3	2962.9
69°	275.4	283.6	336.5	480.6	922.6	2405.1	4608.8	5057.3	4369.5	3366.8	2692.5
70°	266.6	273.9	322.0	435.0	721.1	2017.0	4480.3	5026.7	4471.7	3258.0	2490.6
72.5°	226.3	232.5	286.6	384.4	586.1	1001.2	3639.4	4259.5	4012.7	2714.1	1802.8
75°	151.3	171.9	275.1	360.3	545.2	568.8	2399.4	3078.1	2859.4	1830.6	939.1
77.5°	36.3	39.1	77.7	286.6	498.6	500.6	1234.0	1913.5	1560.7	652.5	222.0
80°	19.5	18.8	21.8	56.9	464.3	469.8	555.5	928.8	557.2	108.2	73.2
82.5°	13.8	13.0	14.0	23.8	146.1	428.0	401.9	420.4	231.0	41.6	32.8
85°	5.0	4.8	7.8	21.5	45.9	246.0	412.9	346.8	187.2	19.0	24.1
87.5°	1.8	1.5	3.0	11.8	14.0	104.7	254.8	262.1	73.7	11.5	11.3
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°	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3	1153.3
2.5°	1143.1	1127.5	1099.0	1069.6	1042.6	1010.0	993.7	977.7	970.9	968.4	956.6
5°	1110.0	1083.7	1023.0	962.2	906.0	846.4	807.1	775.5	756.9	747.9	733.6
7.5°	1067.6	1024.5	932.6	838.6	751.2	665.0	601.1	552.0	518.2	501.9	487.1
10°	1026.5	969.2	838.4	710.3	591.6	477.3	389.1	325.2	284.4	265.6	253.6
12.5°	989.7	915.3	747.4	585.3	436.2	302.4	212.7	161.9	136.6	127.8	123.5
15°	956.9	865.7	661.5	466.5	295.4	172.9	116.3	99.0	95.0	95.0	94.5
17.5°	925.8	817.1	578.5	355.0	185.4	105.7	88.4	86.2	86.2	87.2	87.2
20°	896.0	770.7	498.4	254.8	116.8	83.9	79.9	79.4	79.9	81.2	81.2
22.5°	870.4	728.6	423.4	174.9	86.7	75.7	73.7	72.9	73.2	73.9	74.4
25°	851.4	693.0	352.8	118.5	74.7	68.9	66.6	65.4	64.4	64.4	64.9
27.5°	839.4	663.0	284.4	86.2	67.2	62.6	59.1	57.1	54.9	53.6	54.1
30°	830.6	634.4	220.2	70.4	60.1	55.6	51.1	47.9	44.6	43.1	43.6
32.5°	827.3	611.4	164.6	62.1	53.9	48.9	43.3	39.1	35.6	34.3	34.6
35°	836.1	593.1	120.5	56.1	48.9	42.6	36.3	31.6	28.8	28.1	28.3
37.5°	859.2	583.3	90.2	51.1	44.3	37.3	30.3	25.8	24.1	24.1	24.3
40°	902.8	583.1	72.4	47.6	40.3	32.3	25.1	21.8	20.8	21.3	21.5
42.5°	966.4	596.3	63.1	44.3	36.8	27.6	20.8	18.5	18.3	18.8	19.0
45°	1053.4	620.6	58.1	41.6	33.1	23.1	17.5	16.0	16.0	16.8	17.0
47.5°	1159.8	656.2	53.9	38.8	29.3	19.3	15.0	14.0	14.3	15.0	15.3
50°	1288.1	701.1	49.6	35.8	26.6	16.0	13.0	12.3	12.5	13.5	13.8
52.5°	1434.2	761.5	46.1	33.1	23.1	13.3	11.0	10.5	11.0	12.0	12.3
55°	1559.5	815.6	41.8	30.8	18.5	11.0	9.0	9.0	9.5	10.8	11.0
57.5°	1680.0	872.2	38.1	26.6	14.5	8.8	7.5	7.8	8.5	9.8	10.0
60°	1856.9	968.2	33.6	22.3	11.0	7.0	6.3	6.5	7.5	8.8	9.0
62.5°	2157.3	1114.2	29.1	18.5	8.5	5.5	5.0	5.5	6.8	8.3	8.5
65°	2428.4	1173.6	23.8	15.5	6.5	4.3	4.3	5.0	6.5	8.0	8.3
67.5°	2277.3	988.0	18.5	12.3	5.0	3.3	3.5	4.8	6.3	8.0	8.3
69°	2014.0	807.8	15.8	9.8	4.3	3.0	3.3	4.8	6.3	7.8	8.0
70°	1808.8	682.0	14.0	8.3	3.8	3.0	3.3	4.5	6.3	7.8	8.0
72.5°	1211.5	368.3	11.3	6.0	3.5	2.8	2.8	4.5	6.0	7.5	7.8
75°	520.7	101.7	9.0	4.3	3.0	2.5	2.5	4.3	5.8	7.3	7.8
77.5°	95.2	25.8	7.3	3.8	3.0	2.5	2.3	4.0	5.5	7.0	7.3
80°	37.8	12.8	5.8	3.3	2.8	2.3	2.0	3.8	5.3	6.8	7.0
82.5°	22.8	7.3	4.8	3.0	2.8	2.0	1.8	3.3	5.0	6.5	6.8
85°	18.5	5.0	3.8	3.0	2.5	2.0	1.5	3.0	4.5	6.3	6.5
87.5°	9.0	3.5	3.5	2.8	2.5	2.0	1.5	2.8	4.3	6.0	6.3
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)