

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: P200601

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
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-SL2-8030-1200
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5574 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

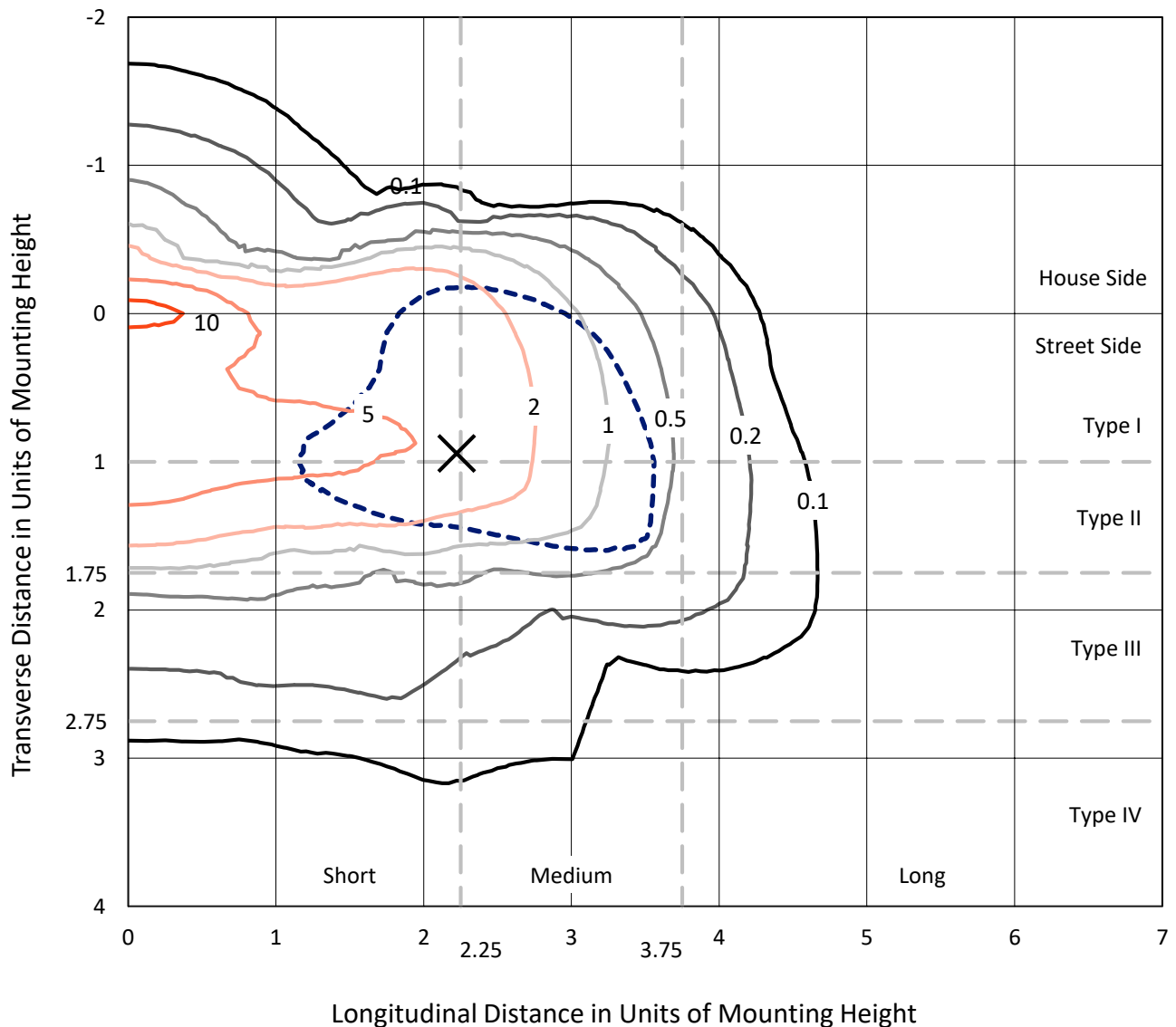
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

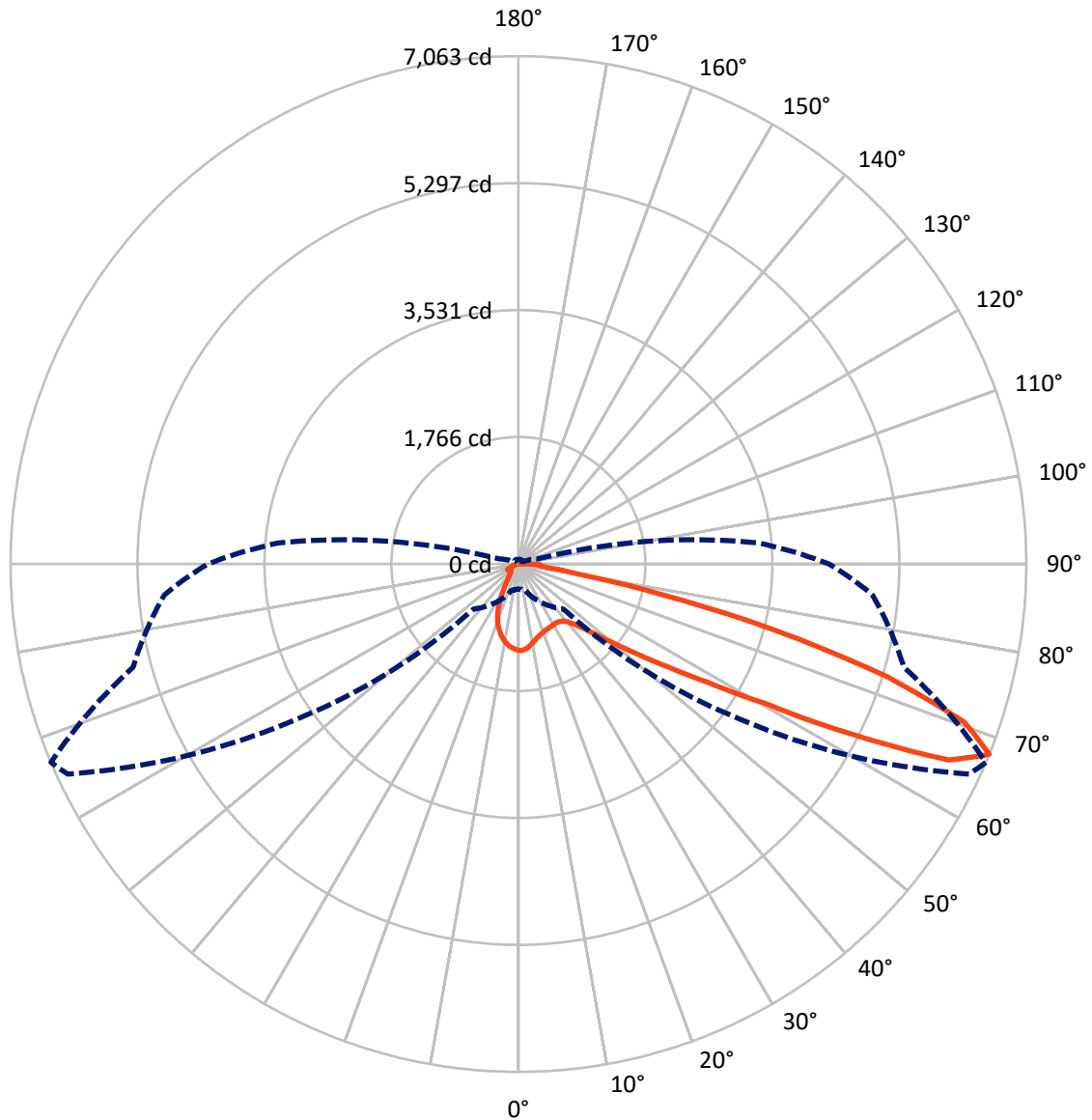
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	923.6	0.0	923.6
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4650.5	0.0	4650.5
	% Fixture	83.4	0.0	83.4
Total	Lumens	5574.0	0.0	5574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.8
10°-20°	237.3	4.3
20°-30°	321.7	5.8
30°-40°	457.4	8.2
40°-50°	765.2	13.7
50°-60°	1210.5	21.7
60°-70°	1542.1	27.7
70°-80°	807.7	14.5
80°-90°	129.5	2.3
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°	5574.0	100.0
0°-180°	5574.0	100.0

Coefficient of Utilization



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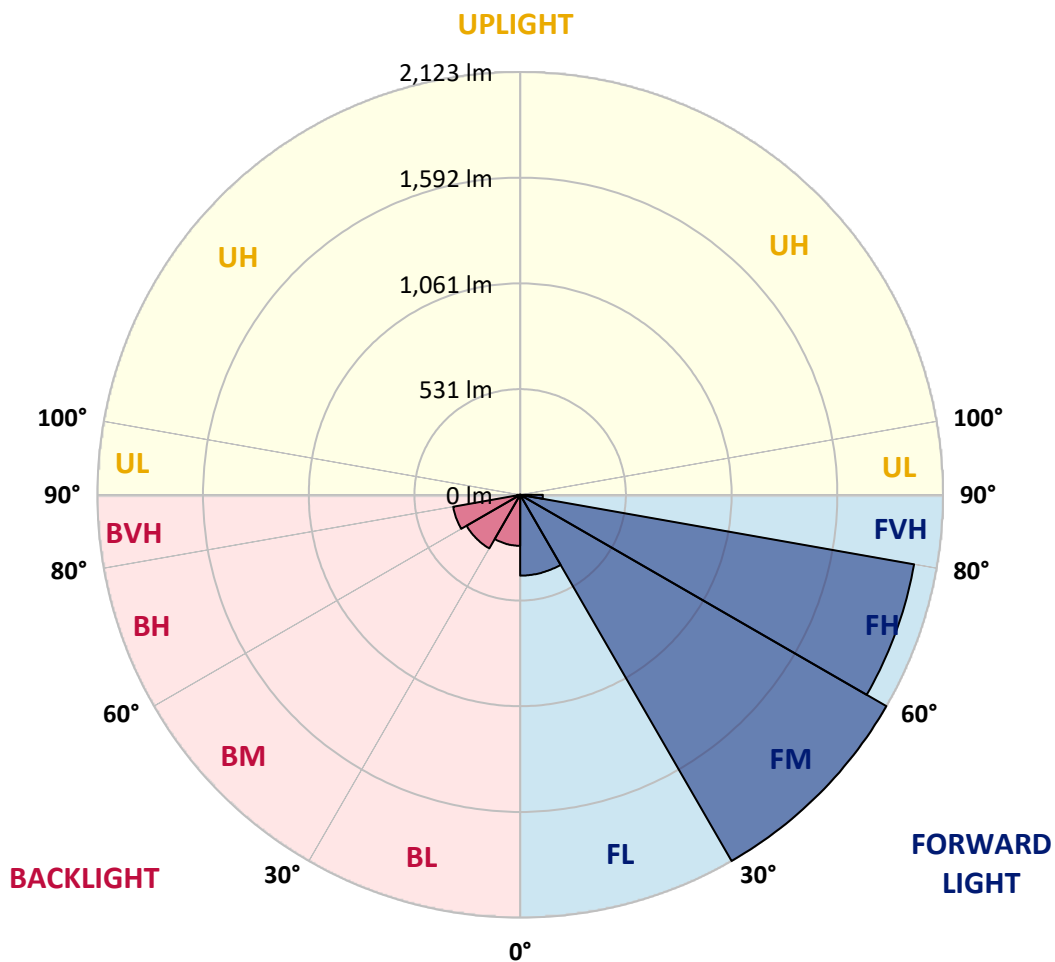
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	405.7	7.3			
FM (30°-60°)	2122.7	38.1			
FH (60°-80°)	2008.2	36.0			G2/5000
FVH (80°-90°)	113.9	2.0			G2/225
BL (0°-30°)	256.0	4.6	B1/500		
BM (30°-60°)	310.3	5.6	B1/1000		
BH (60°-80°)	341.6	6.1	B1/500		G1/500
BVH (80°-90°)	15.6	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1152.8	1154.7	1160.8	1164.6	1182.0	1189.4	1194.6	1199.8	1200.6	1203.1	1200.6
5°	1031.9	1036.0	1047.3	1059.9	1093.4	1119.8	1147.6	1176.5	1181.7	1200.4	1205.6
7.5°	938.1	937.0	946.4	961.5	995.9	1032.4	1081.1	1138.5	1149.8	1191.9	1212.2
10°	869.7	868.9	878.8	894.4	927.1	961.8	1016.8	1095.4	1111.3	1178.4	1218.5
12.5°	819.1	819.4	829.3	846.6	879.9	914.8	970.6	1053.6	1073.9	1162.7	1225.1
15°	785.6	787.8	795.8	814.2	846.6	881.5	936.2	1022.3	1045.1	1150.3	1232.5
17.5°	774.3	777.9	780.6	794.1	821.9	856.8	910.4	999.2	1023.4	1141.8	1239.1
20°	784.8	788.9	783.7	788.3	805.9	836.7	890.0	981.0	1005.8	1132.2	1240.0
22.5°	829.6	833.4	818.0	804.6	803.5	822.1	873.3	966.7	992.3	1125.1	1240.2
25°	908.5	910.9	885.1	853.8	823.2	816.9	861.5	956.8	984.0	1118.7	1235.0
27.5°	1005.2	1007.1	977.5	931.3	870.0	829.3	857.3	951.1	979.4	1113.2	1226.2
30°	1122.9	1131.9	1092.1	1033.8	944.5	865.9	865.6	948.0	974.2	1103.9	1208.9
32.5°	1243.3	1247.1	1219.6	1160.5	1044.8	930.2	888.7	950.2	972.8	1092.6	1186.9
35°	1365.3	1370.2	1352.4	1304.8	1182.0	1024.5	933.7	963.2	981.3	1088.8	1171.5
37.5°	1523.4	1529.9	1505.2	1450.2	1348.8	1152.3	1008.8	995.6	1007.4	1099.8	1166.8
40°	1773.2	1770.2	1697.9	1616.0	1531.3	1315.8	1116.0	1050.6	1057.4	1135.2	1181.1
42.5°	2064.0	2056.6	1932.1	1803.4	1732.0	1513.7	1257.8	1145.9	1144.6	1205.0	1231.4
45°	2296.0	2290.0	2177.8	2019.2	1962.0	1739.1	1441.2	1288.1	1277.9	1315.8	1324.3
47.5°	2421.6	2421.9	2357.3	2227.9	2226.5	2025.5	1676.7	1493.7	1476.1	1493.9	1484.9
50°	2377.7	2383.4	2376.6	2335.3	2467.8	2401.0	1984.3	1780.4	1744.9	1762.5	1727.6
52.5°	2164.9	2172.3	2213.0	2276.2	2569.2	2854.8	2436.2	2136.6	2095.4	2089.0	2050.3
55°	1787.8	1796.9	1879.9	2051.7	2484.9	3159.7	3149.2	2590.7	2525.0	2465.3	2448.9
57.5°	1232.3	1247.4	1381.0	1636.0	2211.9	3251.8	3998.3	3238.0	3104.4	2896.1	2899.9
60°	694.6	712.2	869.7	1101.4	1661.1	3151.7	4644.3	4218.5	3936.5	3400.5	3429.1
62.5°	441.7	460.7	580.3	765.2	996.7	2613.0	4909.0	5581.6	5223.4	4022.2	4050.3
65°	357.6	365.9	422.2	631.7	723.7	1574.2	4708.0	6704.4	6570.9	4811.4	4680.6
67.5°	349.1	351.8	381.0	530.2	694.1	884.8	3755.3	6914.5	7062.6	5548.3	4943.1
70°	345.0	354.6	429.4	506.0	664.6	746.3	2256.7	6338.9	6572.8	5741.0	4593.7
72.5°	167.4	166.8	216.1	457.7	748.8	774.0	1159.4	5128.9	5363.6	4973.8	3774.8
75°	135.0	123.4	117.9	167.7	719.9	799.3	738.9	3529.1	3699.0	3334.8	2320.5
77.5°	128.1	114.3	104.7	105.0	304.3	847.7	625.9	1953.3	2002.7	1506.3	635.8
80°	106.1	93.5	86.6	97.6	147.3	807.3	676.7	884.0	811.2	370.0	211.7
82.5°	73.7	67.1	65.1	81.9	117.9	575.3	787.0	475.0	398.3	185.3	130.6
85°	47.0	40.1	44.5	59.6	91.8	265.5	810.6	370.3	294.4	117.6	73.7
87.5°	21.7	17.6	22.0	33.0	59.9	91.5	771.3	415.9	303.2	62.1	46.5
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°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1202.8	1197.6	1193.5	1185.8	1177.3	1169.0	1161.6	1152.3	1149.5	1147.0	1150.9
5°	1206.7	1201.5	1186.4	1162.7	1136.6	1112.1	1087.7	1066.8	1053.9	1046.7	1050.8
7.5°	1212.5	1205.0	1173.7	1130.3	1083.3	1040.4	996.1	960.7	934.6	922.2	925.8
10°	1217.7	1203.4	1152.3	1087.1	1018.4	954.6	884.8	827.1	784.2	761.7	767.2
12.5°	1219.9	1197.1	1122.3	1033.3	939.0	845.5	742.7	656.4	594.8	572.3	567.6
15°	1222.1	1189.9	1089.3	972.0	843.0	710.8	566.8	463.4	412.3	401.0	398.6
17.5°	1222.6	1177.6	1051.9	905.4	730.6	550.6	387.6	321.9	322.2	340.3	342.5
20°	1216.9	1159.1	1006.6	822.7	595.9	380.7	266.1	254.8	296.3	341.7	347.2
22.5°	1203.7	1134.7	955.2	726.2	441.7	250.7	205.9	218.2	271.9	327.4	333.7
25°	1186.9	1105.0	894.4	614.3	292.5	179.2	172.6	187.7	224.0	261.1	264.7
27.5°	1164.1	1069.8	826.3	486.3	189.9	147.6	152.0	162.2	177.0	193.5	195.2
30°	1134.7	1027.8	753.4	354.6	143.5	132.8	139.1	144.6	150.9	160.3	161.1
32.5°	1100.9	987.3	678.7	244.9	127.3	125.1	130.0	132.8	137.7	143.5	144.0
35°	1072.6	948.9	601.1	173.2	120.4	119.3	122.6	123.7	128.4	134.7	135.2
37.5°	1056.3	917.5	521.2	139.6	115.7	114.1	116.0	116.0	122.6	131.9	133.3
40°	1057.4	900.2	441.2	126.2	111.9	109.7	109.9	109.9	118.5	128.6	129.5
42.5°	1087.4	904.6	370.3	120.9	108.9	106.4	105.0	105.8	113.0	119.6	120.1
45°	1157.8	935.7	303.7	117.6	105.8	105.0	102.0	101.7	104.5	107.5	107.5
47.5°	1273.2	997.0	258.7	115.4	103.4	103.1	99.5	95.9	95.7	96.8	96.8
50°	1461.0	1102.5	228.4	113.0	101.7	99.5	95.4	89.9	88.0	88.8	88.8
52.5°	1742.4	1290.8	216.9	109.7	98.1	94.6	89.9	84.4	82.7	83.0	83.0
55°	2111.6	1580.0	215.2	105.8	94.3	88.5	84.7	80.5	78.6	79.2	79.2
57.5°	2562.6	1979.9	244.6	99.8	89.1	82.5	80.3	77.5	76.1	77.0	76.7
60°	3111.0	2503.3	362.8	93.5	83.8	77.0	77.0	74.8	73.7	74.5	74.2
62.5°	3742.7	3104.4	510.2	88.8	78.3	72.6	73.7	72.6	71.5	72.0	71.7
65°	4302.9	3496.1	477.7	85.2	72.8	68.4	70.4	69.8	69.0	69.5	69.3
67.5°	4319.1	3351.0	268.3	81.4	67.6	64.3	67.1	66.8	66.2	66.8	66.5
70°	3854.6	2829.6	151.2	74.2	62.1	59.4	63.2	62.9	62.4	63.5	63.2
72.5°	3088.2	2053.3	110.5	65.4	56.6	54.2	58.5	58.3	58.3	59.9	59.1
75°	1777.1	1056.6	88.2	56.1	50.9	48.9	52.8	53.1	53.6	55.8	54.2
77.5°	506.6	329.3	72.0	47.6	43.7	42.9	46.7	47.3	47.6	50.0	47.8
80°	188.3	151.7	59.4	39.9	35.7	36.0	39.6	40.4	40.7	43.2	40.4
82.5°	120.1	100.1	48.1	30.8	28.0	27.8	32.2	33.3	33.3	33.5	31.9
85°	70.1	59.9	36.3	22.3	19.8	19.0	23.9	25.8	25.0	24.5	23.4
87.5°	47.0	41.2	22.3	12.4	10.7	10.2	14.0	15.4	14.8	14.0	13.2
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)