

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: P269945

Luminaire Tested: **GPC-AF-01-LED-E1-SL2-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269945
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-SL2-7027
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 5409.9 lumens
Efficiency: N/A
Efficacy: 91.7 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

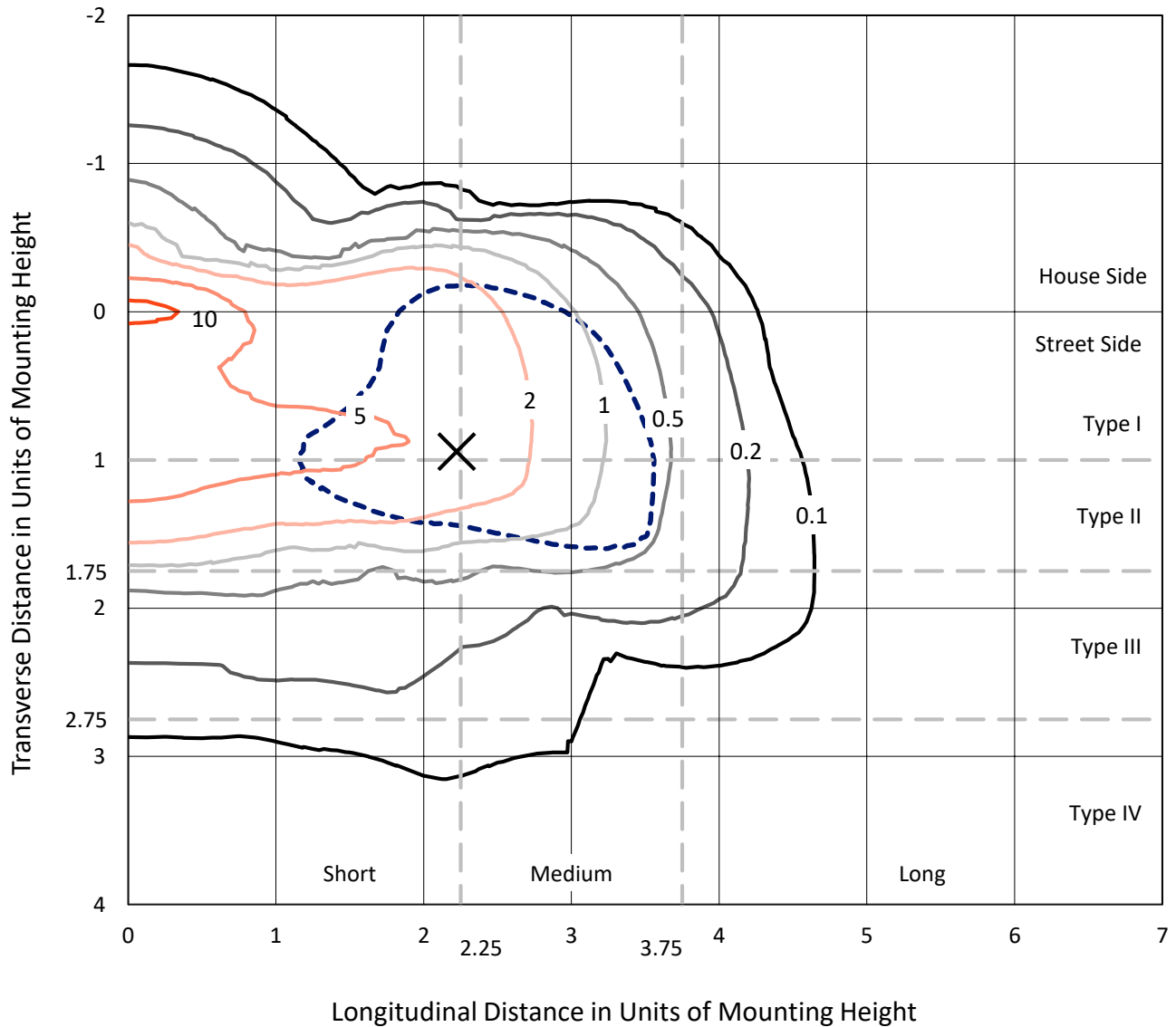
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

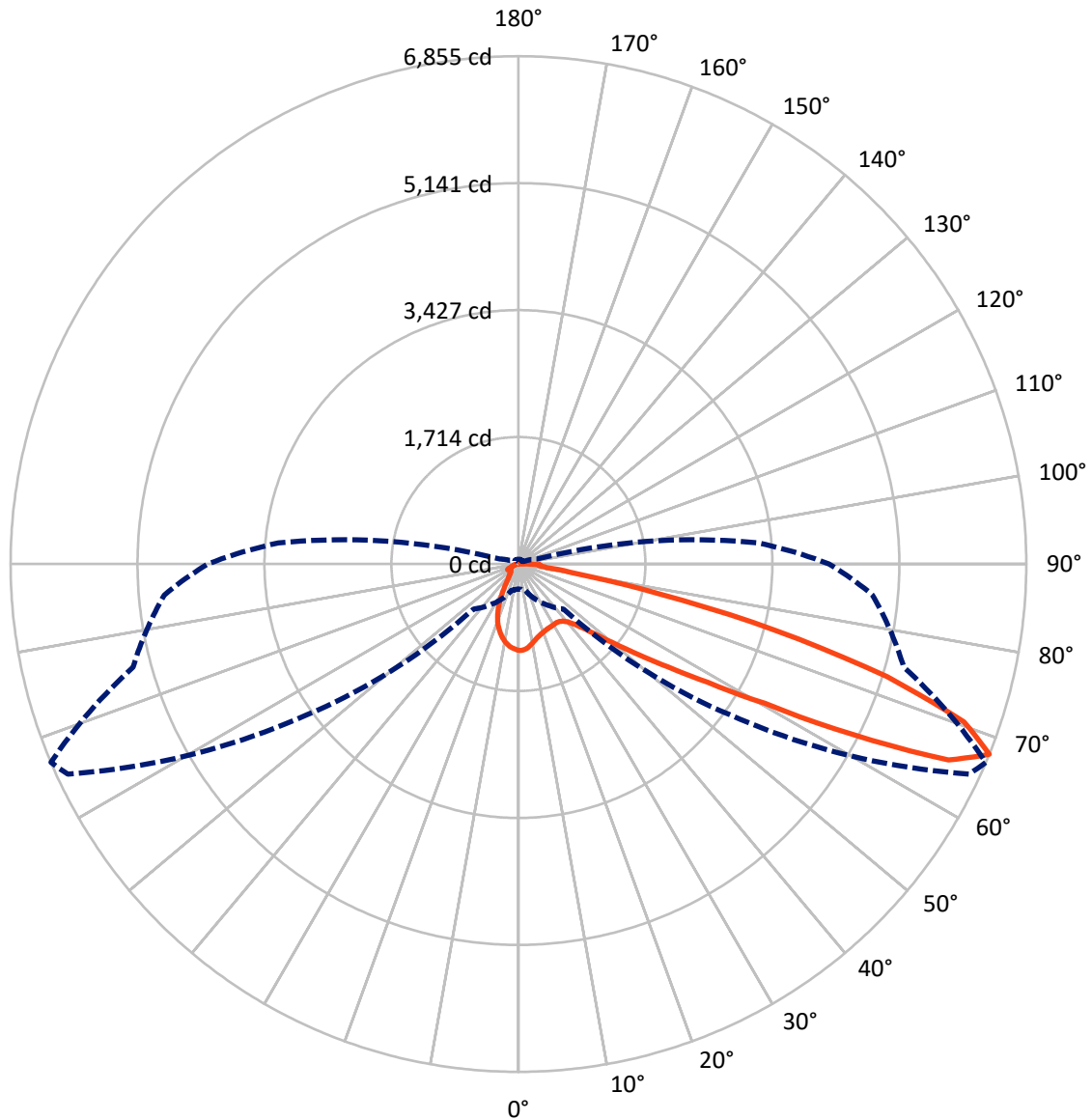
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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	896.4	0.0	896.4
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	4513.5	0.0	4513.5
	% Fixture	83.4	0.0	83.4
Total	Lumens	5409.9	0.0	5409.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.8
10°-20°	230.4	4.3
20°-30°	312.2	5.8
30°-40°	443.9	8.2
40°-50°	742.7	13.7
50°-60°	1174.9	21.7
60°-70°	1496.7	27.7
70°-80°	784.0	14.5
80°-90°	125.7	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°	5409.9	100.0
0°-180°	5409.9	100.0



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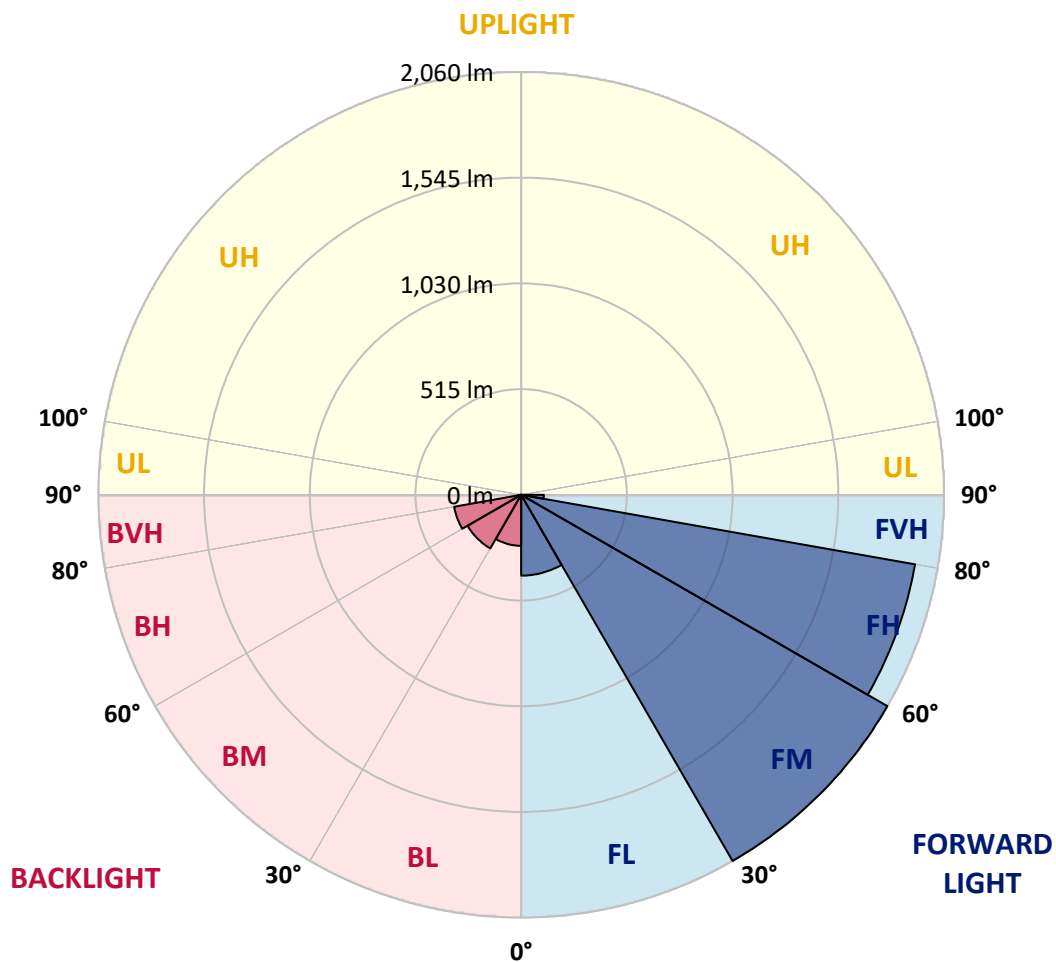
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	393.7	7.3			
FM (30°-60°)	2060.2	38.1			
FH (60°-80°)	1949.1	36.0			G2/5000
FVH (80°-90°)	110.5	2.0			G2/225
BL (0°-30°)	248.4	4.6	B1/500		
BM (30°-60°)	301.2	5.6	B1/1000		
BH (60°-80°)	331.5	6.1	B1/500		G1/500
BVH (80°-90°)	15.2	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°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1118.8	1120.7	1126.7	1130.3	1147.1	1154.3	1159.4	1164.6	1165.3	1167.6	1165.3
5°	1001.5	1005.6	1016.4	1028.6	1061.3	1086.9	1113.8	1141.8	1146.9	1165.0	1170.1
7.5°	910.5	909.4	918.5	933.2	966.5	1002.0	1049.3	1105.0	1116.0	1156.7	1176.5
10°	844.0	843.2	852.9	868.1	899.8	933.5	986.8	1063.1	1078.7	1143.7	1182.7
12.5°	795.0	795.3	804.9	821.7	854.0	887.9	942.1	1022.6	1042.4	1128.5	1189.0
15°	762.5	764.5	772.4	790.1	821.7	855.5	908.6	992.2	1014.2	1116.6	1196.3
17.5°	751.5	754.9	757.7	770.7	797.7	831.7	883.7	969.8	993.3	1108.1	1202.7
20°	761.7	765.6	760.5	765.1	782.2	812.1	863.8	952.2	976.2	1098.8	1203.5
22.5°	805.2	808.8	793.9	780.8	779.8	798.0	847.6	938.3	963.2	1091.9	1203.6
25°	881.7	884.1	859.0	828.6	799.0	792.8	836.1	928.7	955.1	1085.8	1198.7
27.5°	975.6	977.4	948.7	903.9	844.3	804.9	832.1	923.1	950.5	1080.5	1190.2
30°	1089.9	1098.5	1059.9	1003.3	916.7	840.4	840.0	920.1	945.5	1071.4	1173.2
32.5°	1206.7	1210.3	1183.6	1126.4	1014.0	902.7	862.6	922.3	944.2	1060.4	1151.9
35°	1325.1	1329.9	1312.6	1266.4	1147.1	994.3	906.3	934.7	952.5	1056.8	1137.1
37.5°	1478.5	1484.9	1461.0	1407.6	1309.1	1118.4	979.2	966.2	977.7	1067.4	1132.6
40°	1721.1	1718.1	1647.9	1568.4	1486.2	1277.1	1083.1	1019.7	1026.4	1101.9	1146.3
42.5°	2003.3	1996.0	1875.2	1750.3	1681.0	1469.2	1220.7	1112.2	1110.8	1169.6	1195.1
45°	2228.4	2222.5	2113.7	1959.8	1904.2	1687.9	1398.8	1250.1	1240.3	1277.1	1285.4
47.5°	2350.3	2350.7	2288.0	2162.3	2161.0	1965.9	1627.4	1449.8	1432.6	1450.0	1441.2
50°	2307.7	2313.2	2306.6	2266.7	2395.2	2330.4	1925.8	1728.0	1693.6	1710.6	1676.7
52.5°	2101.1	2108.4	2147.8	2209.2	2493.7	2770.8	2364.5	2073.6	2033.8	2027.6	1989.9
55°	1735.2	1744.0	1824.5	1991.3	2411.7	3066.6	3056.6	2514.4	2450.7	2392.7	2376.7
57.5°	1196.1	1210.6	1340.4	1587.9	2146.8	3156.0	3880.6	3142.7	3013.1	2810.8	2814.6
60°	674.2	691.2	844.0	1069.1	1612.2	3058.9	4507.5	4094.4	3820.6	3300.4	3328.1
62.5°	428.8	447.1	563.1	742.7	967.4	2536.1	4764.5	5417.3	5069.7	3903.9	3931.1
65°	347.0	355.1	409.7	613.1	702.5	1527.8	4569.5	6507.1	6377.4	4669.7	4542.8
67.5°	338.8	341.4	369.7	514.5	673.5	858.8	3644.9	6710.9	6854.7	5385.0	4797.6
70°	334.8	344.1	416.8	491.2	645.2	724.4	2190.2	6152.3	6379.4	5572.0	4458.5
72.5°	162.5	162.0	209.7	444.2	726.6	751.3	1125.2	4977.9	5205.8	4827.4	3663.7
75°	131.1	119.7	114.4	162.8	698.7	775.7	717.0	3425.2	3590.0	3236.7	2252.2
77.5°	124.3	111.0	101.7	101.9	295.4	822.8	607.4	1895.8	1943.8	1462.0	617.0
80°	102.9	90.6	84.0	94.7	143.0	783.5	656.8	858.1	787.3	359.1	205.4
82.5°	71.4	65.0	63.2	79.5	114.4	558.3	763.7	461.0	386.6	179.8	126.8
85°	45.6	38.9	43.2	57.9	89.1	257.8	786.7	359.3	285.8	114.2	71.4
87.5°	21.1	17.1	21.3	32.0	58.2	88.8	748.6	403.7	294.3	60.2	45.0
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°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1167.4	1162.3	1158.4	1150.9	1142.6	1134.6	1127.5	1118.4	1115.7	1113.3	1117.0
5°	1171.2	1166.1	1151.4	1128.5	1103.2	1079.5	1055.7	1035.3	1022.8	1016.0	1019.9
7.5°	1176.8	1169.6	1139.2	1097.0	1051.3	1009.8	966.8	932.4	907.1	895.0	898.6
10°	1181.8	1167.9	1118.4	1055.1	988.5	926.5	858.8	802.7	761.1	739.2	744.5
12.5°	1184.0	1161.9	1089.3	1002.9	911.3	820.6	720.8	637.1	577.3	555.4	550.9
15°	1186.1	1155.0	1057.2	943.3	818.3	689.9	550.1	449.8	400.1	389.2	386.8
17.5°	1186.7	1143.0	1021.0	878.8	709.1	534.3	376.2	312.4	312.7	330.2	332.5
20°	1181.0	1124.9	976.9	798.5	578.4	369.6	258.3	247.4	287.5	331.7	337.0
22.5°	1168.2	1101.3	927.1	704.8	428.8	243.4	199.9	211.8	263.8	317.7	323.8
25°	1151.9	1072.4	868.1	596.3	283.9	173.9	167.5	182.3	217.4	253.4	256.9
27.5°	1129.8	1038.4	801.9	471.9	184.3	143.3	147.5	157.5	171.8	187.8	189.5
30°	1101.3	997.5	731.2	344.1	139.2	128.8	134.9	140.3	146.5	155.5	156.3
32.5°	1068.4	958.3	658.6	237.7	123.5	121.5	126.2	128.8	133.7	139.2	139.7
35°	1041.0	920.9	583.4	168.1	116.9	115.8	118.9	120.1	124.5	130.8	131.2
37.5°	1025.2	890.5	505.8	135.6	112.3	110.8	112.6	112.6	118.9	128.1	129.4
40°	1026.4	873.7	428.2	122.4	108.5	106.4	106.7	106.7	115.1	124.9	125.7
42.5°	1055.4	878.0	359.3	117.4	105.6	103.2	101.9	102.6	109.7	116.1	116.6
45°	1123.7	908.1	294.9	114.2	102.6	101.9	99.0	98.8	101.4	104.4	104.4
47.5°	1235.8	967.7	251.0	112.1	100.3	100.0	96.6	93.2	92.9	94.0	94.0
50°	1418.0	1070.2	221.7	109.7	98.8	96.6	92.5	87.2	85.3	86.1	86.1
52.5°	1691.1	1252.7	210.6	106.4	95.2	91.7	87.2	81.8	80.3	80.6	80.6
55°	2049.5	1533.4	208.9	102.6	91.4	85.9	82.1	78.2	76.3	76.8	76.8
57.5°	2487.1	1921.7	237.4	96.8	86.4	79.9	78.0	75.3	73.9	74.6	74.4
60°	3019.5	2429.6	352.1	90.6	81.3	74.6	74.6	72.6	71.4	72.4	72.0
62.5°	3632.6	3013.1	495.1	86.1	76.0	70.4	71.4	70.4	69.3	69.9	69.6
65°	4176.2	3393.2	463.6	82.7	70.6	66.5	68.4	67.7	67.0	67.6	67.3
67.5°	4192.0	3252.4	260.4	79.1	65.7	62.4	65.0	64.9	64.3	64.9	64.6
70°	3741.1	2746.3	146.8	72.0	60.2	57.6	61.4	61.1	60.5	61.7	61.4
72.5°	2997.4	1992.9	107.3	63.5	54.9	52.6	56.9	56.6	56.6	58.2	57.3
75°	1724.7	1025.5	85.7	54.4	49.3	47.5	51.3	51.6	52.0	54.2	52.6
77.5°	491.7	319.5	69.9	46.2	42.4	41.6	45.4	46.0	46.2	48.6	46.4
80°	182.7	147.2	57.6	38.6	34.7	34.9	38.4	39.3	39.4	42.0	39.3
82.5°	116.6	97.0	46.7	29.9	27.2	26.9	31.3	32.2	32.2	32.6	30.9
85°	68.0	58.2	35.3	21.6	19.3	18.4	23.1	25.2	24.3	23.7	22.6
87.5°	45.6	40.1	21.6	11.9	10.4	9.9	13.7	14.9	14.5	13.7	12.8
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)