

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: P269960

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269960
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-SL3-7027-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 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: 4718 lumens
Efficiency: N/A
Efficacy: 80.0 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 - 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

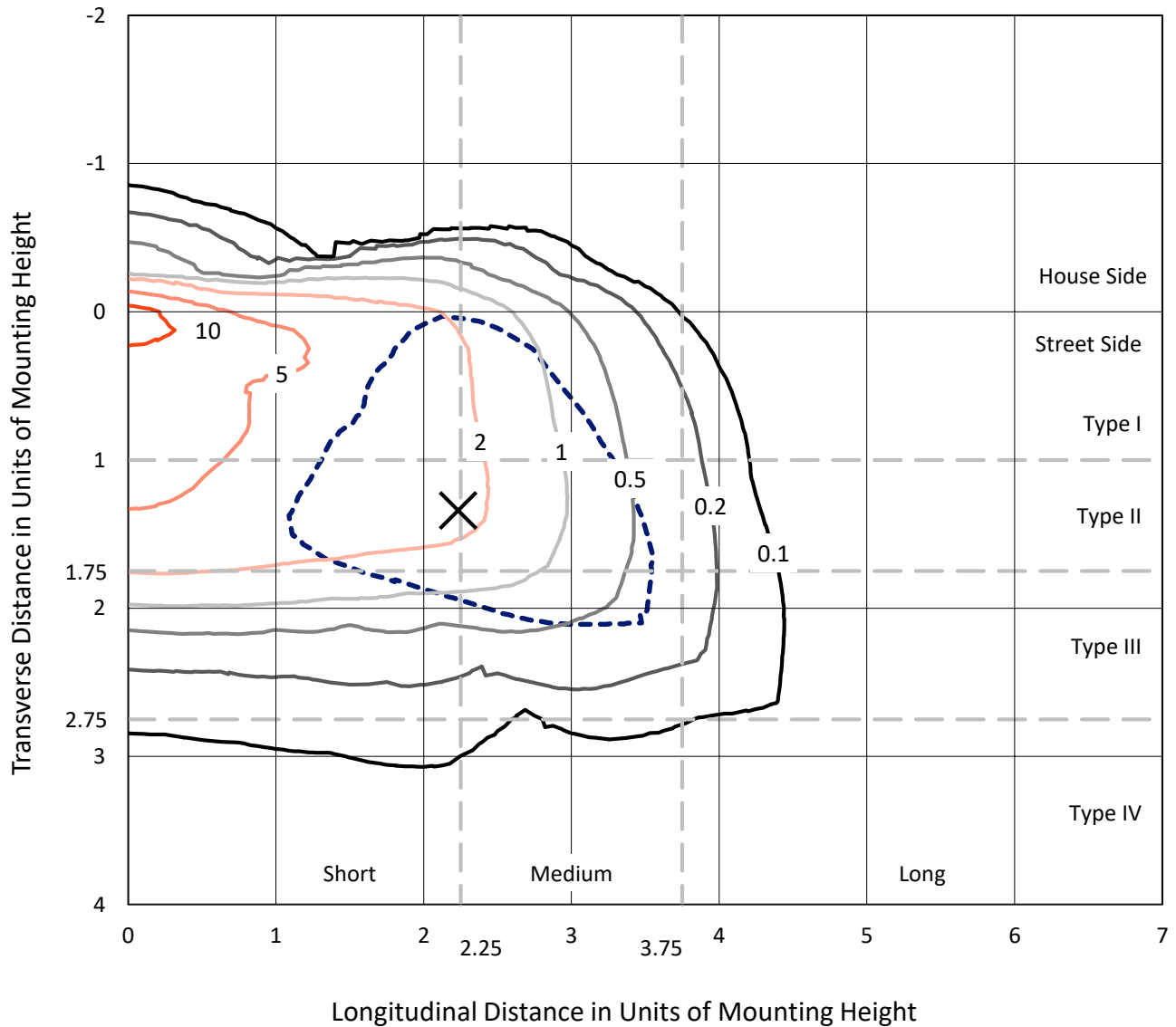


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Iso-Footcandle Lines of Horizontal Illumination

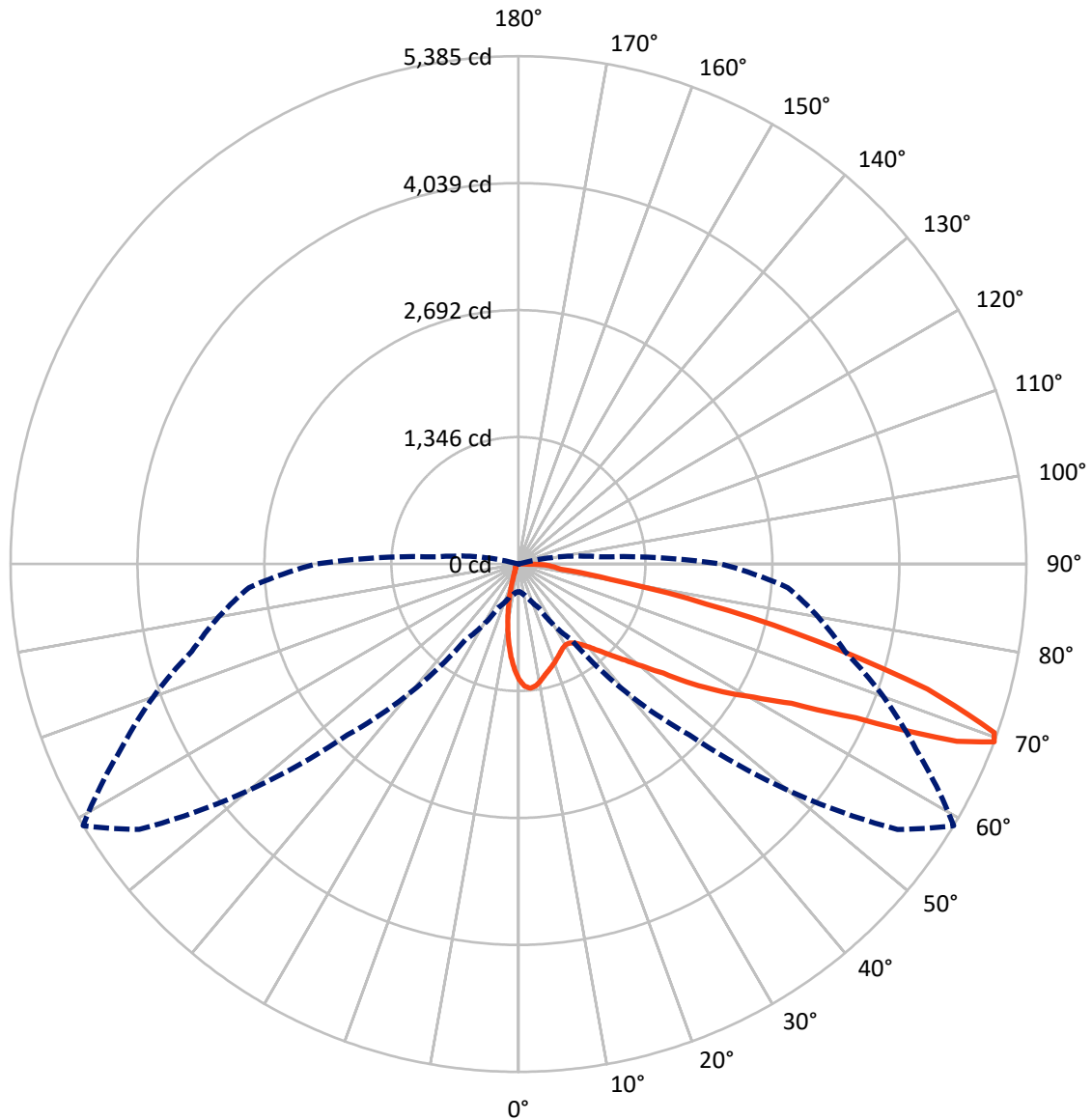
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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
House Side	Lumens	384.2	0.0	384.2
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4333.8	0.0	4333.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	4718.0	0.0	4718.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	2.1
10°-20°	206.0	4.4
20°-30°	277.2	5.9
30°-40°	402.4	8.5
40°-50°	670.0	14.2
50°-60°	1045.3	22.2
60°-70°	1293.4	27.4
70°-80°	655.5	13.9
80°-90°	68.6	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°	4718.0	100.0
0°-180°	4718.0	100.0



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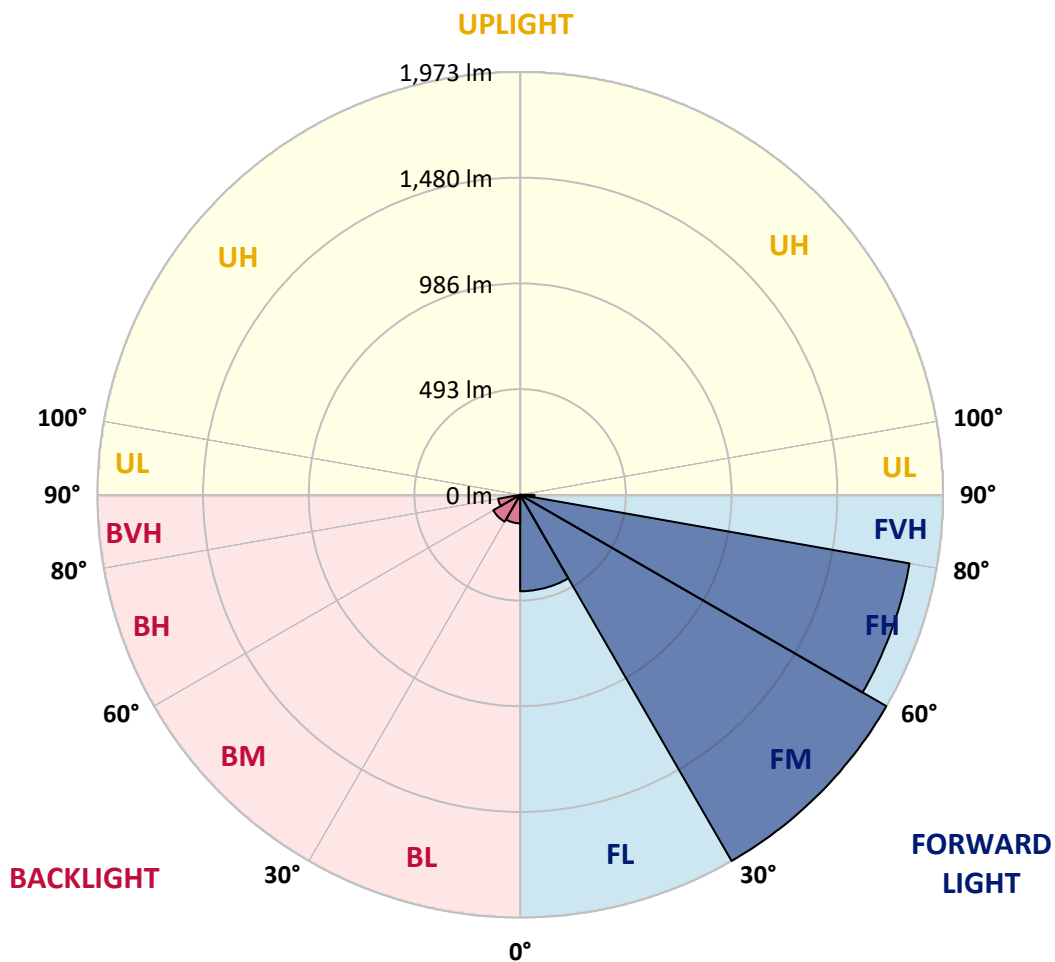
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.8	9.5			
FM	(30°-60°)	1972.9	41.8			
FH	(60°-80°)	1844.6	39.1			G2/5000
FVH	(80°-90°)	66.5	1.4			G1/100
BL	(0°-30°)	133.0	2.8	B1/500		
BM	(30°-60°)	144.8	3.1	B0/220		
BH	(60°-80°)	104.3	2.2	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1
2.5°	1345.9	1345.4	1339.6	1336.9	1332.0	1321.9	1306.1	1298.0	1284.5	1261.4	1230.1
5°	1333.7	1340.1	1343.5	1343.9	1347.3	1343.5	1329.4	1322.5	1304.1	1266.7	1210.6
7.5°	1250.4	1252.9	1262.7	1271.2	1287.8	1303.5	1308.7	1305.6	1294.7	1254.8	1180.3
10°	1161.2	1163.8	1175.4	1186.8	1209.1	1233.4	1259.0	1264.4	1268.9	1237.7	1150.9
12.5°	1084.6	1086.9	1098.8	1113.5	1139.7	1169.7	1209.4	1218.1	1238.1	1221.3	1127.5
15°	1018.3	1019.3	1031.2	1049.3	1080.5	1118.8	1164.1	1178.1	1208.8	1209.8	1106.9
17.5°	962.1	964.7	971.8	989.3	1023.3	1070.9	1123.4	1143.7	1179.7	1200.2	1086.9
20°	927.6	930.3	930.0	939.6	970.3	1021.1	1082.8	1107.3	1150.9	1190.4	1069.1
22.5°	920.9	920.9	914.0	912.7	930.9	973.3	1040.7	1070.3	1125.0	1186.1	1056.4
25°	944.7	943.6	926.3	912.1	912.9	938.3	1000.0	1035.1	1103.2	1189.0	1049.8
27.5°	994.9	993.5	971.6	944.7	923.1	922.7	969.0	1006.9	1085.8	1202.9	1052.5
30°	1064.2	1063.8	1040.0	1006.0	966.8	930.9	958.3	992.6	1074.6	1228.1	1058.7
32.5°	1139.9	1139.2	1121.4	1085.5	1035.9	966.8	969.5	998.3	1077.8	1261.4	1073.6
35°	1220.3	1219.0	1211.3	1180.1	1125.2	1033.3	1006.3	1028.6	1098.1	1311.3	1102.8
37.5°	1307.3	1308.7	1314.2	1284.3	1226.9	1126.4	1067.9	1083.1	1139.0	1379.0	1150.6
40°	1435.6	1435.3	1437.2	1397.9	1342.7	1240.3	1154.1	1159.0	1207.2	1469.0	1223.2
42.5°	1668.5	1652.3	1602.8	1522.8	1467.3	1370.5	1262.7	1257.6	1290.8	1580.2	1324.9
45°	1981.4	1946.7	1818.7	1665.3	1594.3	1517.2	1396.3	1380.1	1401.1	1713.8	1450.3
47.5°	2250.7	2214.6	2033.5	1813.6	1729.1	1656.5	1553.0	1523.6	1530.5	1863.5	1609.3
50°	2342.2	2324.5	2166.4	1942.8	1859.5	1831.7	1734.6	1699.0	1689.1	2036.6	1793.6
52.5°	2310.4	2309.1	2203.6	2026.5	1979.1	2013.2	1963.2	1922.0	1885.6	2219.2	1981.1
55°	2259.4	2266.2	2218.9	2099.9	2098.4	2178.8	2275.9	2241.5	2136.3	2417.3	2142.8
57.5°	2118.8	2147.4	2210.3	2238.7	2304.2	2386.6	2536.4	2556.7	2432.3	2569.2	2277.1
60°	1719.1	1781.9	1987.8	2258.6	2569.7	2775.1	2850.6	2868.0	2675.2	2695.4	2458.2
62.5°	1220.3	1284.3	1545.5	2003.6	2573.7	3285.6	3318.9	3250.7	2942.4	2882.4	2770.6
65°	647.8	697.2	910.5	1446.2	2231.4	3403.9	4137.7	3934.8	3414.1	3250.2	3174.3
67.5°	331.4	346.2	431.1	707.8	1534.0	3023.5	4871.6	5014.2	4227.0	3615.3	3154.8
69°	293.1	302.0	358.3	511.8	982.2	2560.9	4907.4	5384.9	4652.5	3584.9	2866.9
70°	283.9	291.6	342.9	463.2	767.8	2147.7	4770.4	5352.3	4761.3	3469.1	2651.8
72.5°	240.9	247.7	305.2	409.3	624.1	1066.1	3875.1	4535.5	4272.6	2889.8	1919.6
75°	161.2	183.1	292.9	383.7	580.6	605.5	2554.8	3277.5	3044.5	1949.1	1000.0
77.5°	38.6	41.6	82.7	305.2	530.9	533.1	1314.0	2037.4	1661.9	694.7	236.3
80°	20.8	20.0	23.1	60.5	494.3	500.3	591.4	988.9	593.3	115.3	78.0
82.5°	14.7	13.8	14.9	25.3	155.5	455.7	428.0	447.6	246.0	44.2	34.9
85°	5.3	5.1	8.3	22.9	48.8	261.9	439.7	369.3	199.3	20.3	25.6
87.5°	1.8	1.5	3.2	12.5	14.9	111.5	271.3	279.1	78.4	12.2	11.9
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°	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1	1228.1
2.5°	1217.2	1200.6	1170.1	1139.0	1110.1	1075.5	1058.1	1041.0	1033.8	1031.2	1018.6
5°	1181.9	1153.9	1089.3	1024.4	964.7	901.2	859.3	825.7	806.0	796.3	781.2
7.5°	1136.7	1090.9	992.9	892.9	799.9	708.0	640.0	587.8	551.6	534.4	518.6
10°	1093.1	1032.0	892.6	756.4	629.9	508.3	414.3	346.2	302.8	282.7	270.0
12.5°	1053.8	974.7	795.8	623.2	464.5	322.0	226.6	172.4	145.3	136.1	131.5
15°	1018.9	921.8	704.4	496.8	314.5	184.2	123.7	105.5	101.1	101.1	100.6
17.5°	985.8	870.0	616.0	378.0	197.4	112.6	94.2	91.7	91.7	92.9	92.9
20°	954.0	820.6	530.7	271.3	124.3	89.4	85.1	84.6	85.1	86.4	86.4
22.5°	926.8	775.9	450.9	186.2	92.3	80.6	78.4	77.7	78.0	78.7	79.2
25°	906.6	738.0	375.6	126.2	79.5	73.4	71.0	69.6	68.6	68.6	69.1
27.5°	893.8	705.9	302.8	91.7	71.4	66.7	62.9	60.8	58.4	57.1	57.6
30°	884.4	675.5	234.5	75.0	64.0	59.2	54.4	50.9	47.5	46.0	46.4
32.5°	881.0	650.9	175.3	66.1	57.3	52.0	46.2	41.6	37.9	36.6	36.8
35°	890.3	631.5	128.3	59.7	52.0	45.4	38.6	33.5	30.7	29.9	30.2
37.5°	914.8	621.1	96.1	54.4	47.3	39.7	32.2	27.5	25.6	25.6	26.0
40°	961.2	620.8	77.2	50.7	42.9	34.5	26.7	23.1	22.2	22.6	22.9
42.5°	1029.0	634.9	67.3	47.3	39.3	29.4	22.2	19.8	19.5	20.0	20.3
45°	1121.5	660.9	62.0	44.2	35.3	24.6	18.7	17.1	17.1	17.8	18.1
47.5°	1235.0	698.7	57.3	41.3	31.3	20.5	16.0	14.9	15.2	16.0	16.3
50°	1371.5	746.5	52.8	38.2	28.2	17.1	13.8	13.0	13.4	14.5	14.7
52.5°	1527.1	810.8	49.0	35.3	24.6	14.2	11.8	11.1	11.8	12.8	13.0
55°	1660.4	868.4	44.6	32.8	19.8	11.8	9.6	9.6	10.2	11.5	11.8
57.5°	1788.9	928.7	40.6	28.2	15.5	9.3	8.1	8.3	9.1	10.4	10.7
60°	1977.2	1030.8	35.8	23.7	11.8	7.5	6.6	6.9	8.1	9.3	9.6
62.5°	2297.1	1186.4	30.9	19.8	9.1	5.8	5.3	5.8	7.1	8.9	9.1
65°	2585.7	1249.6	25.3	16.6	6.9	4.5	4.5	5.3	6.9	8.5	8.9
67.5°	2424.9	1051.9	19.8	13.0	5.3	3.5	3.8	5.1	6.6	8.5	8.9
69°	2144.4	860.1	16.8	10.4	4.5	3.2	3.5	5.1	6.6	8.3	8.5
70°	1926.0	726.2	14.9	8.9	4.0	3.2	3.5	4.9	6.6	8.3	8.5
72.5°	1290.0	392.2	11.9	6.4	3.8	3.0	3.0	4.9	6.4	8.1	8.3
75°	554.3	108.3	9.6	4.5	3.2	2.6	2.6	4.5	6.2	7.7	8.3
77.5°	101.4	27.5	7.7	4.0	3.2	2.6	2.3	4.2	5.8	7.5	7.7
80°	40.2	13.7	6.2	3.5	3.0	2.3	2.2	4.0	5.6	7.1	7.5
82.5°	24.3	7.7	5.1	3.2	3.0	2.2	1.8	3.5	5.3	6.9	7.1
85°	19.8	5.3	4.0	3.2	2.6	2.2	1.5	3.2	4.9	6.6	6.9
87.5°	9.6	3.8	3.8	3.0	2.6	2.2	1.5	3.0	4.5	6.4	6.6
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)