

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: LUMARK

Report Number: P287035

Luminaire Tested: **PRV-C25-D-UNV-T4-BZ-7030-HSS**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P287035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C25-D-UNV-T4-BZ-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11717 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G4

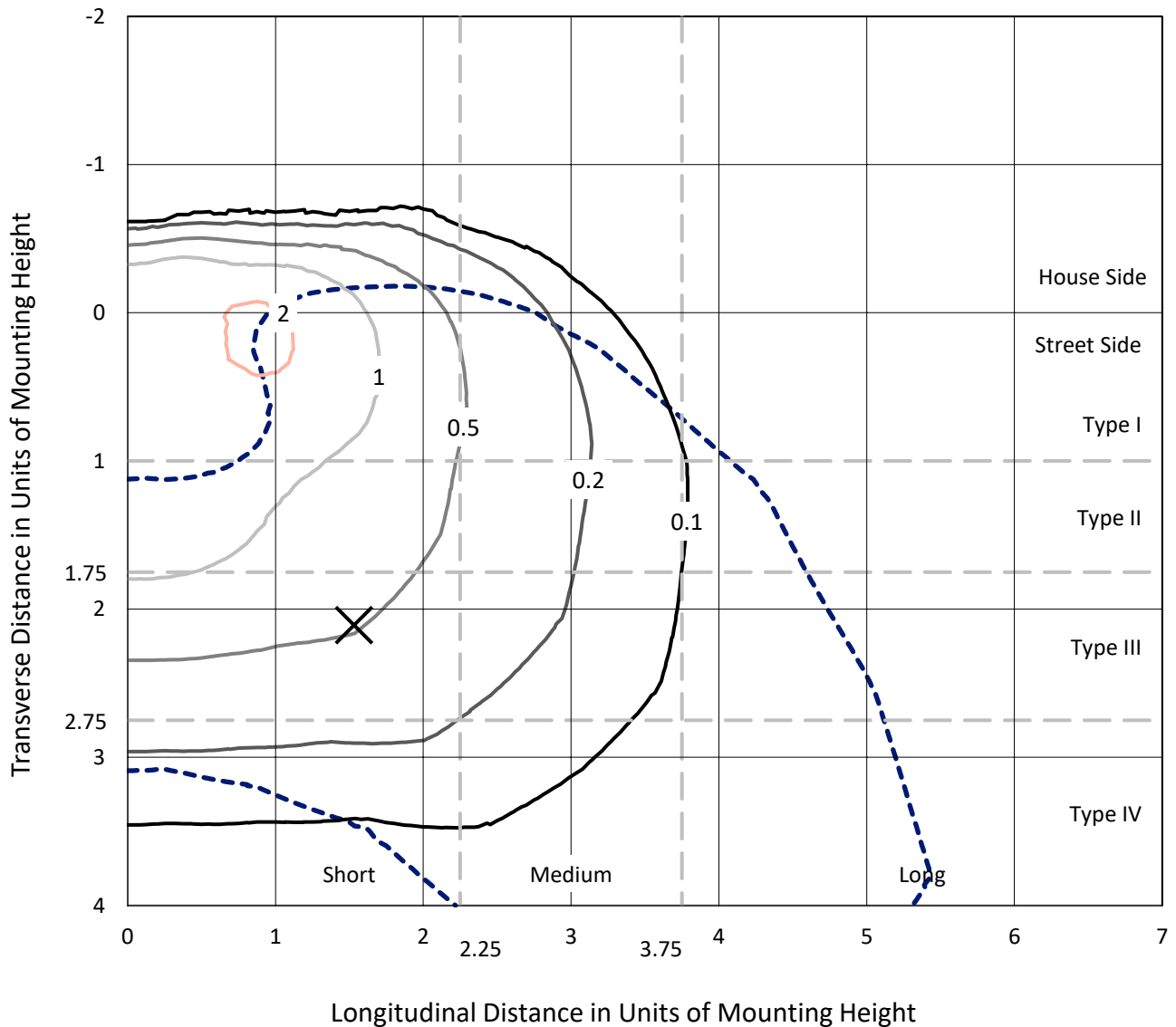
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

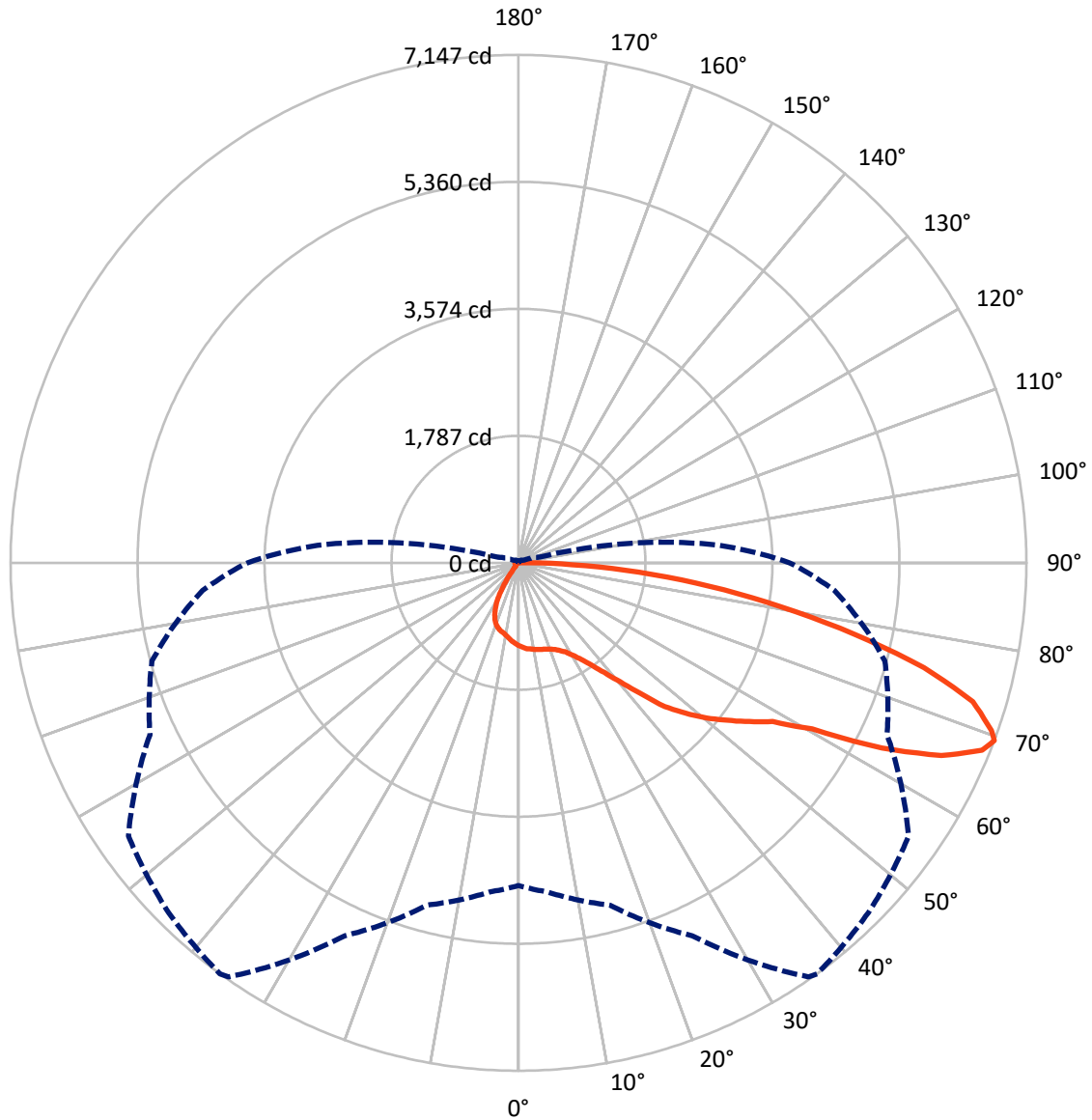
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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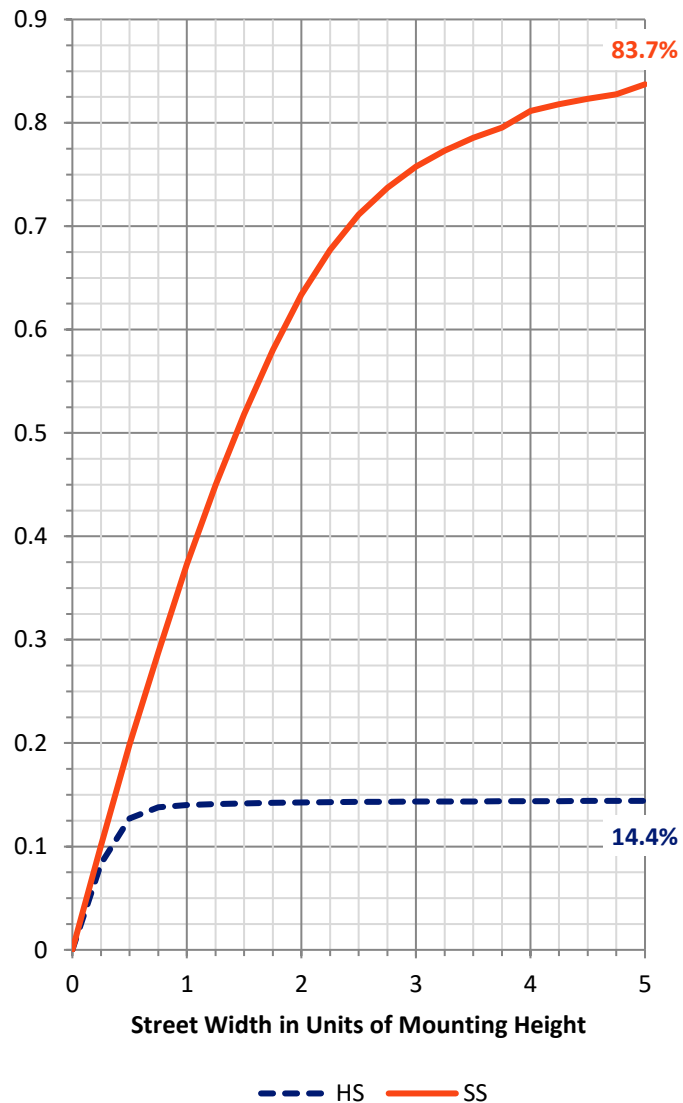
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1708.5	0.0	1708.5
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	10008.5	0.0	10008.5
	% Fixture	85.4	0.0	85.4
Total	Lumens	11717.0	0.0	11717.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	0.9
10°-20°	330.8	2.8
20°-30°	554.3	4.7
30°-40°	896.5	7.7
40°-50°	1581.3	13.5
50°-60°	2304.9	19.7
60°-70°	3044.3	26.0
70°-80°	2340.8	20.0
80°-90°	553.4	4.7
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°	11717.0	100.0
0°-180°	11717.0	100.0

Coefficient of Utilization

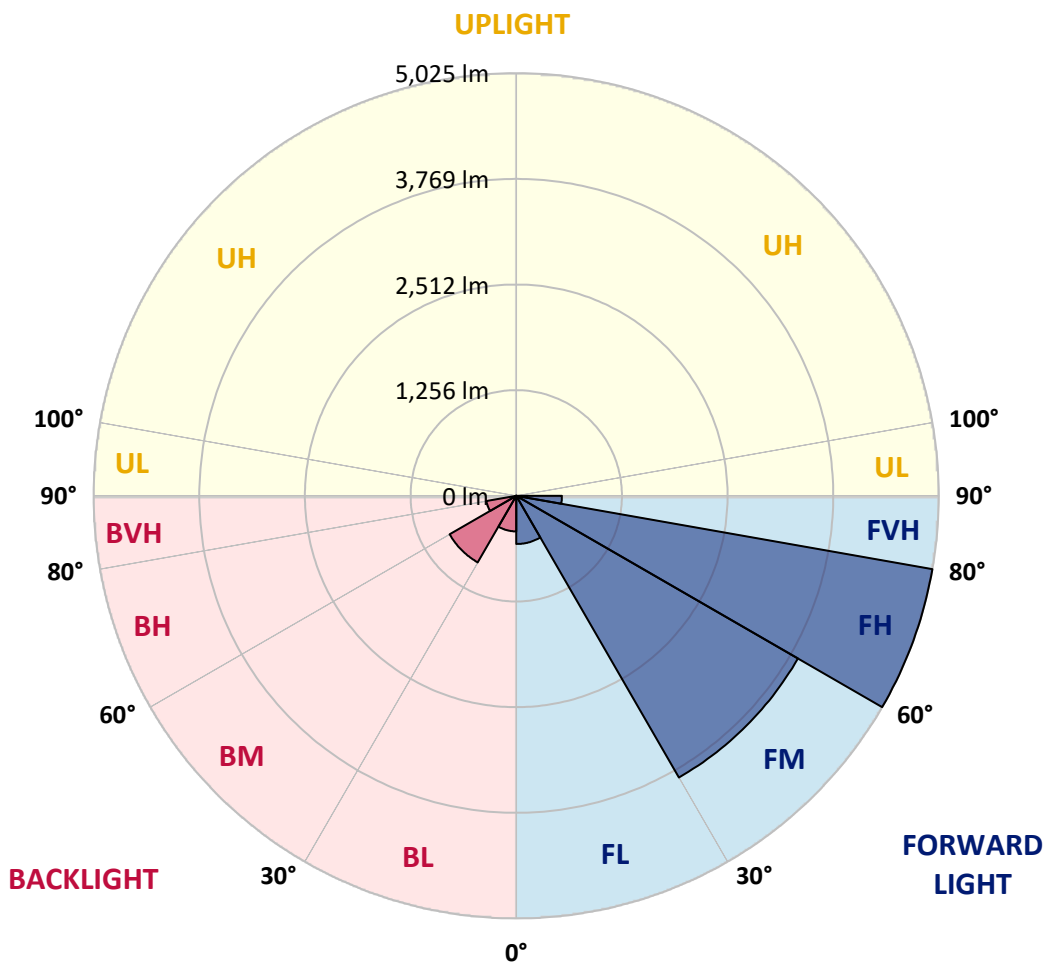


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.7	4.9			
FM (30°-60°)	3867.9	33.0			
FH (60°-80°)	5024.8	42.9			G3/7500
FVH (80°-90°)	543.1	4.6			G4/750
BL (0°-30°)	423.2	3.6	B1/500		
BM (30°-60°)	914.8	7.8	B1/1000		
BH (60°-80°)	360.2	3.1	B1/500		G1/500
BVH (80°-90°)	10.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4
2.5°	1210.5	1212.4	1206.7	1193.4	1190.2	1191.5	1192.8	1185.2	1176.9	1173.1	1164.3
5°	1232.0	1232.6	1230.1	1218.1	1214.9	1214.9	1213.6	1204.8	1196.6	1191.5	1178.8
7.5°	1237.7	1237.1	1238.3	1225.7	1228.8	1223.1	1226.9	1218.1	1210.5	1203.5	1192.1
10°	1246.5	1247.8	1246.5	1236.4	1237.7	1238.9	1238.3	1232.0	1231.4	1230.7	1211.1
12.5°	1242.1	1241.5	1245.3	1238.9	1247.8	1249.1	1263.0	1266.2	1269.3	1269.3	1249.1
15°	1238.9	1232.0	1247.8	1242.7	1261.1	1263.0	1283.9	1302.9	1306.7	1307.9	1300.3
17.5°	1243.4	1242.1	1264.3	1254.8	1280.7	1276.3	1296.5	1330.1	1347.8	1356.6	1361.1
20°	1262.4	1267.4	1285.8	1276.3	1297.8	1297.8	1319.9	1356.0	1389.5	1411.7	1416.1
22.5°	1291.5	1293.4	1314.9	1305.4	1322.5	1324.4	1343.4	1385.7	1431.3	1468.6	1487.6
25°	1322.5	1321.2	1338.9	1339.6	1362.3	1368.0	1384.5	1418.7	1478.8	1527.5	1579.4
27.5°	1368.0	1365.5	1386.4	1380.1	1422.5	1421.8	1440.8	1481.3	1549.0	1612.9	1692.0
30°	1442.1	1435.7	1448.4	1458.5	1506.6	1508.5	1525.6	1565.5	1633.8	1726.8	1823.0
32.5°	1561.7	1566.7	1565.5	1552.8	1613.5	1617.3	1659.1	1723.6	1793.2	1905.2	2017.9
35°	1813.5	1812.9	1778.7	1746.4	1752.1	1763.5	1817.9	1934.4	2076.7	2341.2	2440.6
37.5°	2126.7	2141.9	2081.8	1988.8	1958.4	1956.5	2004.0	2176.7	2409.6	2920.2	2960.1
40°	2541.2	2512.7	2439.9	2296.9	2220.4	2198.8	2214.7	2417.8	2775.3	3413.8	3375.8
42.5°	2822.8	2835.4	2755.7	2633.6	2519.7	2503.2	2465.9	2682.9	3171.4	3807.3	3701.0
45°	3160.6	3186.0	3098.0	3011.3	2896.2	2886.0	2829.7	2956.3	3552.3	4099.0	3955.4
47.5°	3454.9	3472.6	3332.1	3251.1	3168.2	3160.0	3106.9	3232.2	3883.3	4338.9	4163.6
50°	3771.9	3786.5	3633.3	3518.2	3439.7	3432.1	3402.4	3541.6	4218.6	4565.4	4335.7
52.5°	4176.2	4121.8	3935.8	3778.9	3691.5	3681.4	3696.0	3850.4	4536.3	4728.6	4473.6
55°	4649.5	4501.5	4263.6	4067.4	3937.0	3944.0	3961.1	4164.2	4806.5	4886.8	4577.4
57.5°	4934.9	4943.1	4764.7	4475.5	4228.1	4214.2	4201.5	4449.0	5026.0	5062.1	4678.0
60°	5316.5	5342.4	5319.0	5140.6	4807.1	4747.6	4541.3	4766.6	5258.9	5203.8	4738.1
62.5°	5606.3	5648.7	5785.3	5675.2	5713.8	5739.2	5171.6	5146.9	5472.8	5300.7	4750.8
65°	5539.8	5580.3	5860.6	6077.1	6484.6	6538.3	6395.3	5631.0	5639.8	5343.7	4710.3
67.5°	5036.8	5078.6	5420.2	6003.0	6975.6	7036.3	6883.8	6471.3	5722.7	5345.6	4607.1
69°	4541.3	4648.9	4986.8	5789.8	7112.9	7147.1	6961.7	6700.3	5721.4	5338.0	4461.6
70°	4245.2	4331.3	4714.7	5543.6	7041.4	7057.8	6914.8	6792.7	5699.9	5271.5	4324.9
72.5°	3413.1	3394.1	3802.3	4699.5	6695.3	6685.1	6701.0	6668.7	5660.7	5028.6	3748.5
75°	2474.1	2481.1	2858.8	3697.9	5821.4	5895.4	6211.8	6403.6	5279.1	4385.7	2758.2
77.5°	1758.4	1773.0	2097.6	2831.0	4798.2	4833.0	5413.3	5617.0	4442.0	3450.5	1503.4
80°	1176.9	1189.6	1493.3	2087.5	3665.0	3744.1	4376.8	4422.4	3361.9	2135.6	272.1
82.5°	735.9	742.2	977.6	1487.0	2674.1	2712.7	3005.6	2917.7	1747.7	475.8	81.0
85°	422.1	429.6	599.2	941.6	1688.8	1703.4	1898.9	1443.3	418.9	63.9	44.3
87.5°	120.9	129.7	248.0	406.2	761.8	756.2	708.7	472.7	67.7	29.1	20.9
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°	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4	1167.4
2.5°	1157.3	1166.8	1155.4	1147.2	1137.7	1139.0	1139.0	1128.2	1128.2	1143.4	1145.3
5°	1171.9	1178.8	1159.2	1143.4	1123.2	1118.7	1106.1	1093.4	1089.0	1102.3	1104.2
7.5°	1185.2	1181.4	1158.0	1132.6	1106.1	1085.2	1069.4	1048.5	1039.0	1054.2	1056.7
10°	1198.5	1187.1	1163.0	1132.6	1090.2	1059.9	1036.5	999.1	989.0	996.6	1000.4
12.5°	1235.2	1220.0	1192.1	1139.6	1091.5	1050.4	1004.8	958.0	934.0	942.8	947.9
15°	1289.6	1266.8	1237.7	1173.1	1106.7	1047.2	985.2	911.2	867.5	862.5	863.7
17.5°	1354.1	1330.1	1291.5	1213.0	1128.2	1047.2	955.5	862.5	790.3	769.4	772.0
20°	1419.3	1392.7	1361.7	1259.2	1148.5	1031.4	918.8	797.3	694.1	646.7	646.7
22.5°	1494.0	1475.0	1423.1	1295.9	1155.4	1006.7	862.5	709.3	582.8	513.2	510.6
25°	1590.8	1573.7	1478.1	1325.0	1149.7	975.7	789.7	605.6	448.6	377.8	374.0
27.5°	1699.0	1665.4	1531.9	1346.5	1130.1	925.7	692.9	473.9	312.6	245.5	242.3
30°	1819.2	1770.5	1573.0	1342.7	1094.0	841.6	579.0	318.3	182.2	137.9	137.9
32.5°	1991.9	1903.3	1621.8	1333.9	1044.1	741.0	425.2	188.6	91.1	70.2	70.2
35°	2329.2	2162.8	1695.8	1309.8	963.1	608.1	267.7	84.8	50.0	49.4	49.4
37.5°	2781.6	2497.5	1814.8	1274.4	851.7	442.3	133.5	46.8	46.8	48.1	47.5
40°	3178.4	2858.2	1973.6	1220.6	729.6	279.0	60.7	44.9	47.5	49.4	49.4
42.5°	3473.2	3136.6	2127.3	1142.1	582.8	142.4	50.6	43.7	45.6	46.2	46.8
45°	3723.2	3370.7	2250.1	1042.8	426.5	67.7	50.6	43.0	43.0	43.0	43.7
47.5°	3914.9	3542.2	2334.3	925.7	265.1	56.9	53.2	42.4	39.9	38.6	39.2
50°	4064.9	3661.8	2364.0	795.4	131.0	57.6	51.9	39.9	34.8	35.4	36.1
52.5°	4170.5	3758.6	2332.4	632.8	67.7	60.7	52.5	38.6	31.0	32.9	32.9
55°	4268.6	3782.7	2252.0	449.9	60.7	61.4	52.5	35.4	26.6	30.4	32.3
57.5°	4293.3	3782.0	2126.1	282.8	65.2	58.2	50.0	34.8	25.3	30.4	31.6
60°	4330.0	3751.0	1953.3	172.7	68.3	53.8	46.8	32.9	24.0	25.3	26.6
62.5°	4290.1	3697.9	1694.5	114.5	65.8	50.0	45.6	31.6	20.9	19.0	18.4
65°	4212.3	3520.1	1278.8	92.4	61.4	48.7	41.1	27.8	17.1	12.0	11.4
67.5°	4030.7	3182.2	676.4	87.3	57.6	48.1	36.7	25.9	13.9	7.0	6.3
69°	3816.8	2839.8	306.9	88.6	67.1	48.1	37.3	22.8	12.7	5.1	4.4
70°	3593.5	2527.3	139.8	86.1	72.8	50.6	36.7	20.9	11.4	4.4	3.8
72.5°	2771.5	1571.1	95.5	76.6	81.0	49.4	36.7	19.6	10.8	2.5	1.9
75°	1645.2	389.8	86.1	60.7	77.2	60.1	44.3	21.5	9.5	1.3	0.0
77.5°	426.5	108.8	72.8	46.2	68.3	67.7	51.3	21.5	9.5	0.0	0.0
80°	110.1	83.5	62.6	29.7	53.8	65.8	41.8	24.0	7.6	0.0	0.0
82.5°	65.8	60.7	68.3	18.4	43.0	44.3	24.7	17.1	8.2	0.0	0.0
85°	38.0	52.5	48.1	13.9	8.2	4.4	10.1	19.0	8.2	0.0	0.0
87.5°	22.1	28.5	10.8	1.9	1.9	1.3	0.6	2.5	0.0	0.0	0.0
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)