

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: P287010

Luminaire Tested: **PRV-C15-D-UNV-T2-BZ-7050-HSS**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P287010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-5)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C15-D-UNV-T2-BZ-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6670 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

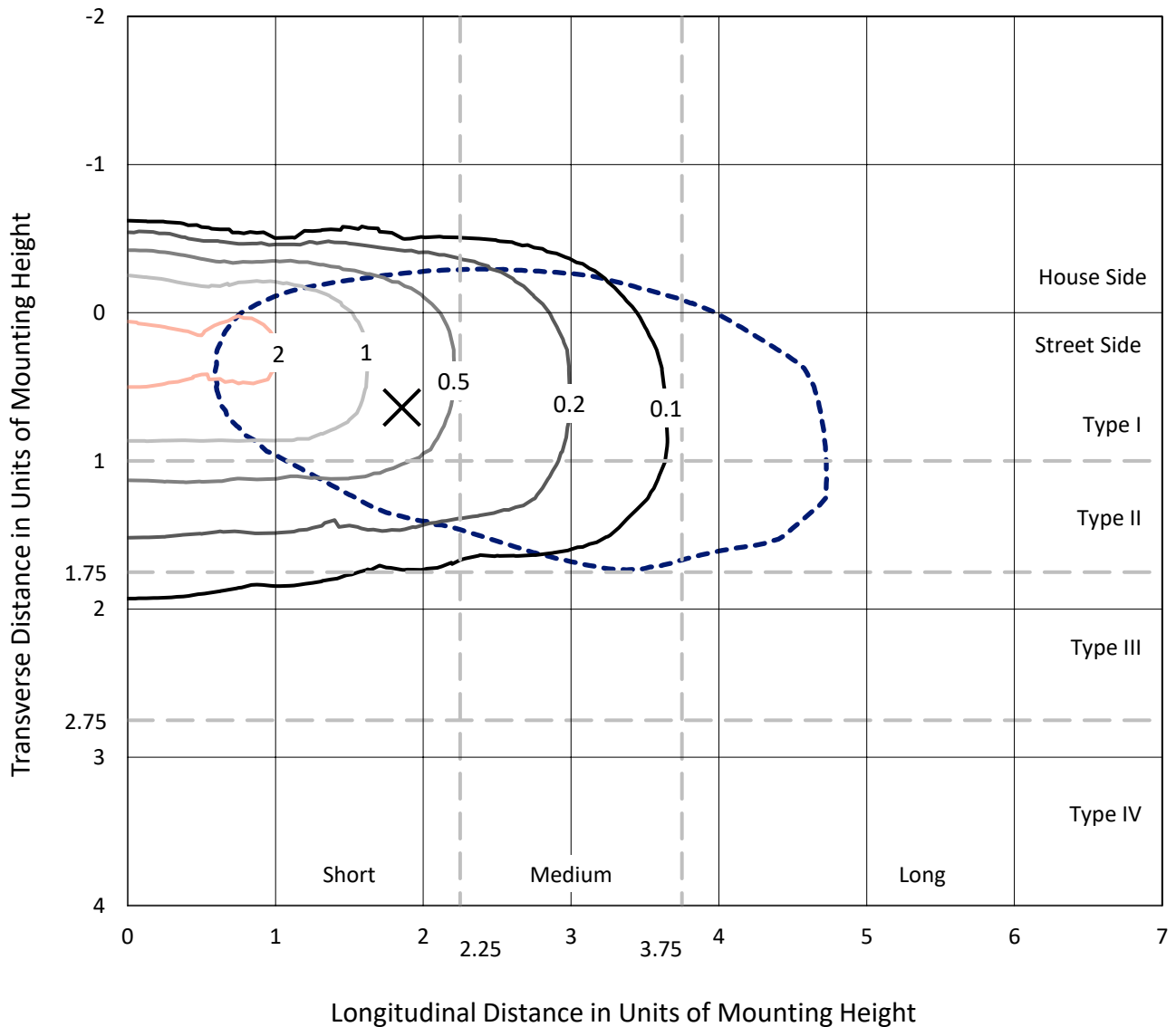
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

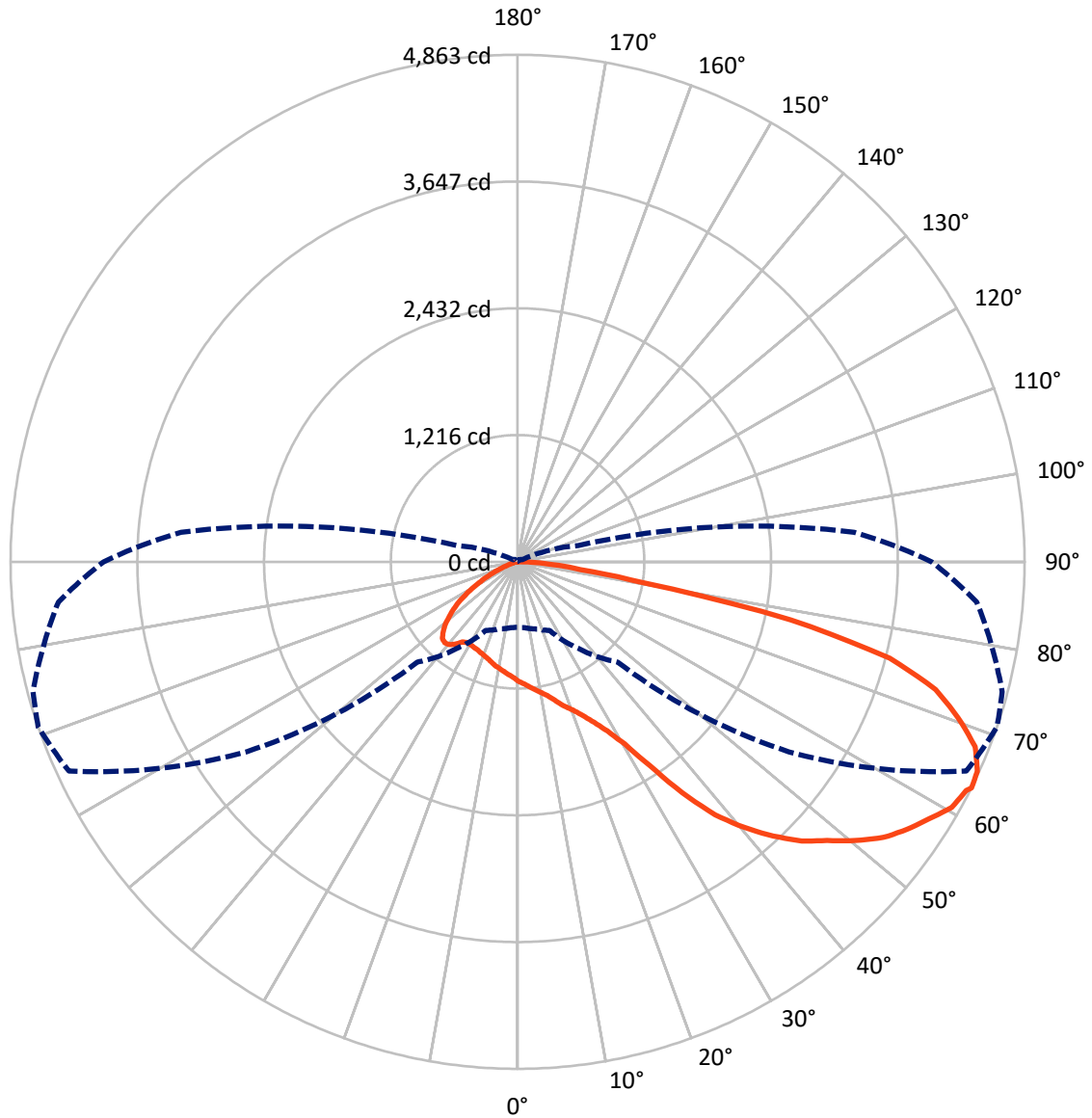
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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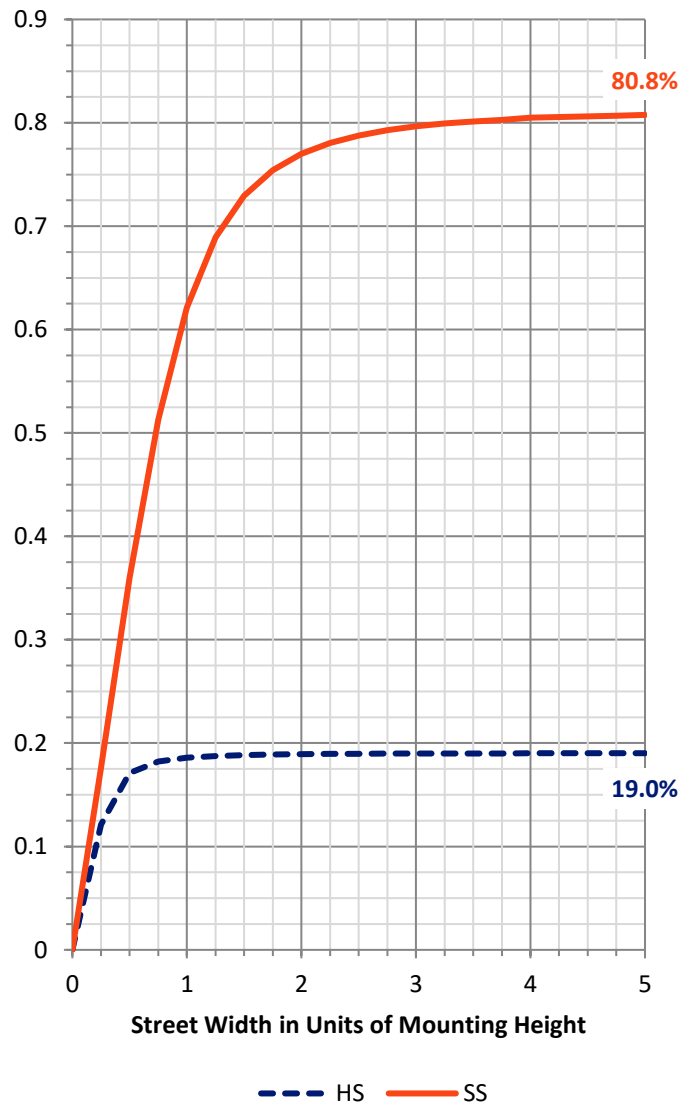
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1283.7	0.0	1283.7
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5386.3	0.0	5386.3
	% Fixture	80.8	0.0	80.8
Total	Lumens	6670.0	0.0	6670.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	1.6
10°-20°	327.9	4.9
20°-30°	551.5	8.3
30°-40°	842.8	12.6
40°-50°	1174.0	17.6
50°-60°	1359.7	20.4
60°-70°	1346.6	20.2
70°-80°	834.7	12.5
80°-90°	123.6	1.9
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°	6670.0	100.0
0°-180°	6670.0	100.0

Coefficient of Utilization



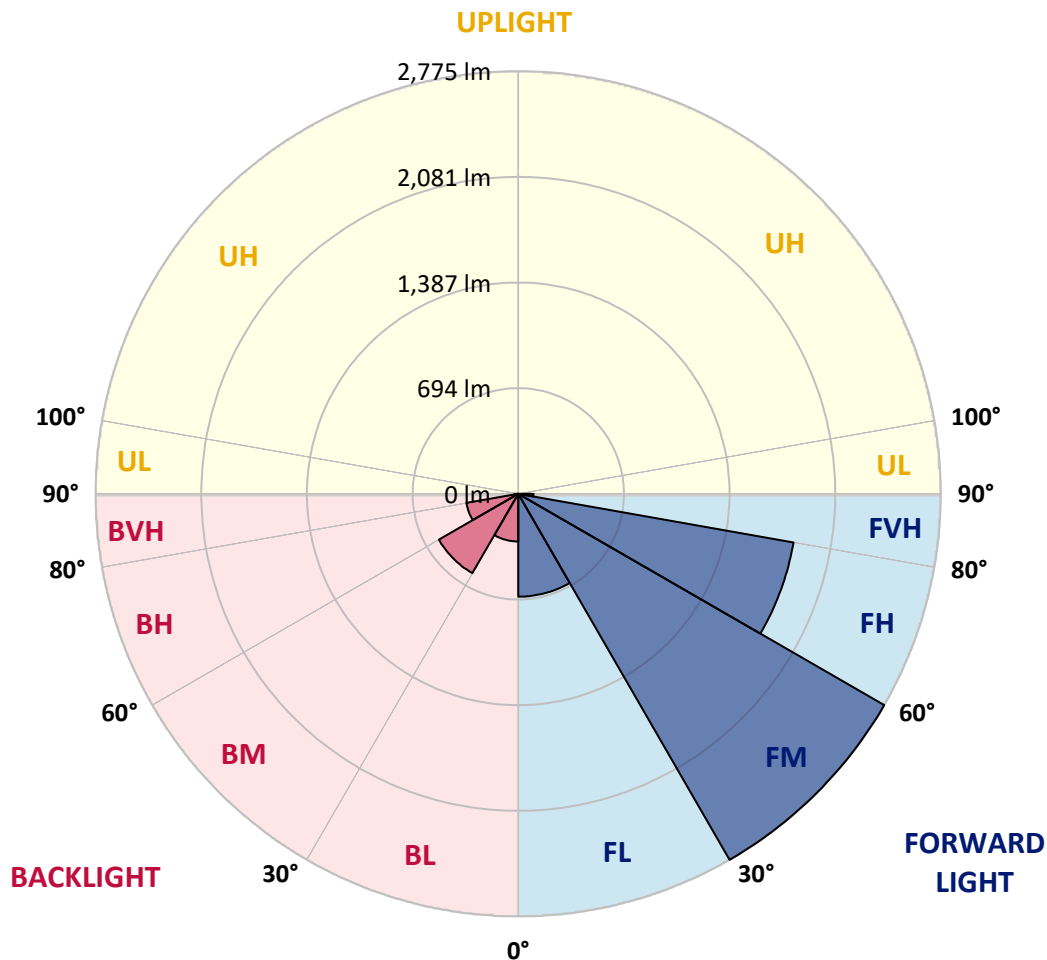
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.4	10.1			
FM (30°-60°)	2774.8	41.6			
FH (60°-80°)	1835.9	27.5			G2/5000
FVH (80°-90°)	100.1	1.5			G2/225
BL (0°-30°)	313.1	4.7	B1/500		
BM (30°-60°)	601.8	9.0	B1/1000		
BH (60°-80°)	345.4	5.2	B1/500		G1/500
BVH (80°-90°)	23.5	0.4			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°	71°	75°	85°
0°	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4
2.5°	1262.5	1250.5	1250.1	1234.9	1223.6	1217.2	1199.8	1184.6	1171.5	1170.1	1146.8
5°	1331.2	1328.3	1324.4	1300.7	1290.1	1275.9	1256.8	1227.5	1203.7	1197.7	1160.6
7.5°	1408.7	1406.5	1398.8	1377.5	1350.6	1334.0	1296.8	1267.4	1242.3	1229.6	1179.3
10°	1453.3	1452.9	1452.2	1434.5	1413.6	1389.2	1349.6	1306.4	1277.4	1263.9	1191.3
12.5°	1524.0	1514.5	1511.3	1489.7	1463.2	1445.5	1409.0	1362.7	1323.4	1299.7	1218.6
15°	1581.0	1581.4	1575.4	1555.9	1536.1	1507.8	1477.0	1430.6	1387.4	1369.4	1265.3
17.5°	1651.8	1645.4	1638.4	1617.8	1597.0	1567.2	1548.1	1491.8	1456.4	1416.8	1306.4
20°	1696.8	1685.8	1678.0	1664.9	1656.4	1632.7	1615.4	1565.5	1517.0	1483.0	1352.4
22.5°	1727.9	1739.2	1736.1	1714.8	1718.0	1710.9	1689.0	1655.4	1600.9	1544.9	1405.5
25°	1747.0	1744.6	1763.0	1776.8	1800.8	1799.4	1783.1	1753.8	1705.3	1645.1	1484.8
27.5°	1752.7	1752.7	1782.4	1821.4	1878.0	1890.4	1892.5	1890.7	1836.9	1782.4	1588.8
30°	1761.2	1770.7	1799.4	1847.9	1930.0	1979.2	2002.6	2041.9	2028.4	1981.0	1758.7
32.5°	1727.6	1728.6	1770.4	1863.8	1983.5	2085.7	2131.8	2270.9	2330.0	2351.9	2103.1
35°	1619.3	1630.2	1706.3	1835.2	2008.2	2177.4	2302.4	2589.8	2720.0	2722.8	2432.6
37.5°	1544.2	1554.8	1636.6	1793.7	2027.7	2269.8	2497.4	2947.9	3079.6	3047.0	2716.8
40°	1462.1	1479.8	1566.5	1737.8	2024.9	2360.4	2705.8	3265.1	3352.8	3310.0	2949.4
42.5°	1382.1	1385.0	1470.3	1660.3	2010.4	2434.0	2909.7	3499.4	3596.3	3541.1	3177.3
45°	1285.1	1297.9	1382.1	1557.3	1962.2	2479.3	3089.2	3756.3	3820.7	3759.2	3367.7
47.5°	1173.3	1189.6	1297.9	1462.1	1855.3	2486.0	3250.5	3987.4	3993.8	3945.0	3568.0
50°	906.1	916.3	1139.0	1368.3	1727.6	2459.1	3404.5	4160.5	4201.9	4138.2	3739.0
52.5°	820.4	828.9	891.2	1246.2	1556.6	2369.2	3512.1	4359.4	4393.1	4337.1	3906.0
55°	786.4	790.3	812.3	1010.1	1413.3	2209.6	3580.1	4508.1	4532.2	4462.8	4044.4
57.5°	727.0	730.5	777.2	861.5	1292.9	1945.6	3571.6	4654.6	4652.8	4575.3	4187.8
60°	682.0	689.5	729.1	792.1	1147.8	1627.8	3455.1	4766.8	4784.2	4713.0	4292.2
62.5°	639.6	642.4	676.0	736.9	1030.0	1395.9	3236.0	4756.5	4829.8	4777.1	4423.5
63°	627.5	632.8	666.1	725.2	1013.0	1359.5	3176.9	4748.4	4863.1	4811.4	4420.3
65°	590.4	591.1	623.6	679.6	931.9	1245.9	2980.5	4640.8	4845.7	4814.6	4475.2
67.5°	519.6	524.9	553.9	608.4	796.7	1101.4	2473.0	4569.3	4733.2	4749.5	4385.6
70°	441.0	444.2	479.9	533.4	669.6	934.4	1849.7	4320.1	4484.0	4504.2	4150.3
72.5°	345.8	347.6	386.5	448.8	547.9	771.6	1276.3	3885.9	4193.4	4193.4	3747.8
75°	108.7	128.5	270.8	361.7	442.8	597.1	838.5	3014.8	3685.9	3777.6	3208.8
77.5°	35.4	38.2	85.7	190.8	278.9	458.3	556.7	1602.6	2677.5	2929.5	2531.0
80°	25.5	29.7	53.1	143.0	175.6	195.0	345.1	873.5	1216.8	1594.8	1690.4
82.5°	13.1	17.0	37.5	91.0	99.8	98.4	153.3	413.0	607.7	734.1	877.1
85°	6.0	7.4	16.3	31.9	27.6	25.8	54.2	216.3	342.6	404.9	437.5
87.5°	1.4	2.1	6.0	11.3	7.1	5.7	6.4	68.7	124.9	155.7	161.0
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°	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4	1146.4
2.5°	1136.8	1142.5	1115.6	1102.5	1080.2	1073.1	1062.2	1049.1	1044.8	1055.4	1048.4
5°	1146.8	1139.0	1100.0	1064.6	1034.9	1011.5	993.9	971.6	958.1	961.3	963.4
7.5°	1150.6	1133.3	1078.1	1034.6	984.3	954.2	922.0	890.5	877.1	879.2	880.6
10°	1154.5	1128.3	1063.2	999.2	939.3	893.0	856.2	814.4	794.2	794.9	801.7
12.5°	1177.5	1126.6	1050.8	973.3	895.8	838.1	793.2	746.8	718.1	720.3	725.6
15°	1210.1	1141.8	1034.9	935.1	853.7	788.2	732.3	681.0	659.0	662.2	667.2
17.5°	1238.1	1158.8	1022.5	894.8	802.7	732.3	681.7	637.8	597.8	603.8	600.3
20°	1266.4	1182.9	1018.6	860.8	758.8	677.8	620.5	585.1	535.5	522.1	517.8
22.5°	1311.7	1209.8	1015.1	829.6	706.8	630.0	558.5	506.5	435.3	410.9	401.4
25°	1371.1	1248.3	1009.8	801.7	663.6	573.0	476.0	382.6	329.9	298.7	284.2
27.5°	1451.5	1303.5	1017.6	776.9	620.1	505.4	361.4	277.8	230.8	203.9	188.6
30°	1586.0	1375.7	1019.3	754.6	567.0	403.1	257.3	193.2	153.3	134.8	125.6
32.5°	1881.5	1594.8	1035.3	729.1	510.0	296.6	179.1	129.5	97.7	86.0	91.3
35°	2192.3	1863.8	1092.6	693.0	420.8	200.7	118.2	83.9	62.6	64.4	66.2
37.5°	2428.0	2072.7	1212.9	648.8	316.4	137.3	71.1	57.3	55.2	60.2	69.4
40°	2659.8	2280.4	1320.2	595.3	214.5	82.5	48.1	52.7	49.6	51.7	52.4
42.5°	2863.0	2446.1	1397.0	516.4	132.7	48.5	42.1	48.8	45.3	44.2	38.9
45°	3059.4	2589.4	1444.4	407.4	76.1	38.6	38.6	46.7	43.9	41.4	35.4
47.5°	3233.2	2749.7	1432.7	281.4	46.4	34.7	36.1	42.1	41.1	37.9	34.7
50°	3393.2	2865.8	1402.3	159.6	40.7	32.9	35.0	35.0	36.8	28.7	26.2
52.5°	3532.6	2968.8	1304.3	85.3	37.9	31.5	31.5	28.0	29.7	21.9	20.9
55°	3676.0	3076.8	1166.2	66.9	36.1	31.5	28.0	24.4	22.3	15.9	17.0
57.5°	3793.8	3156.4	987.5	60.2	37.2	30.1	25.5	21.2	17.7	12.4	12.0
60°	3902.9	3222.2	814.1	53.4	40.0	30.4	21.2	17.7	12.4	9.9	8.8
62.5°	3968.7	3237.1	631.4	48.5	40.0	28.0	19.1	14.9	9.6	6.7	6.4
63°	3970.8	3241.7	602.8	48.1	40.7	28.0	19.1	14.5	8.8	6.4	6.0
65°	4002.0	3145.8	475.7	47.1	41.4	26.5	18.1	11.7	7.4	5.0	4.6
67.5°	3883.0	2961.0	312.9	46.4	41.4	25.8	15.9	9.9	6.4	3.9	3.2
70°	3568.7	2645.0	191.5	44.6	42.1	25.5	19.8	8.5	5.7	2.8	2.5
72.5°	3135.5	2336.3	110.1	39.6	41.4	20.9	11.3	7.4	5.0	2.1	1.8
75°	2654.2	1878.0	69.4	30.8	32.2	17.3	9.6	6.7	4.2	1.1	1.1
77.5°	2016.7	1351.3	59.5	23.7	19.1	15.2	8.1	5.3	2.8	0.4	0.4
80°	1424.2	954.9	42.8	14.9	10.6	9.6	6.0	3.5	1.1	0.0	0.0
82.5°	801.7	521.7	23.4	5.3	3.2	3.5	2.8	1.4	0.0	0.0	0.0
85°	378.0	203.9	11.7	3.5	1.8	1.4	0.4	0.0	0.0	0.0	0.0
87.5°	140.5	49.2	2.8	1.4	1.1	0.4	0.0	0.0	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)