

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: P286946

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

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)
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
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE II OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7252 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

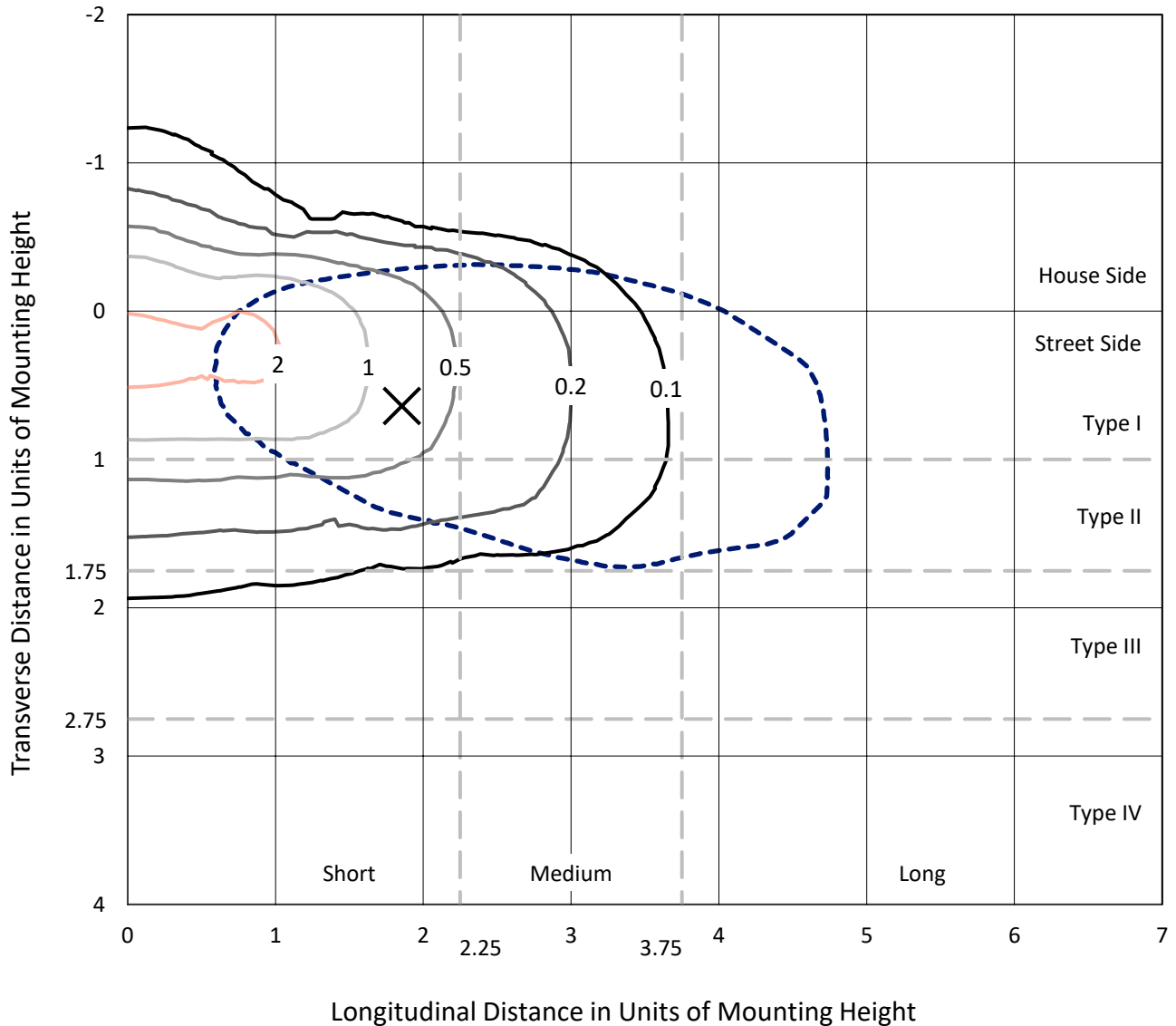
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

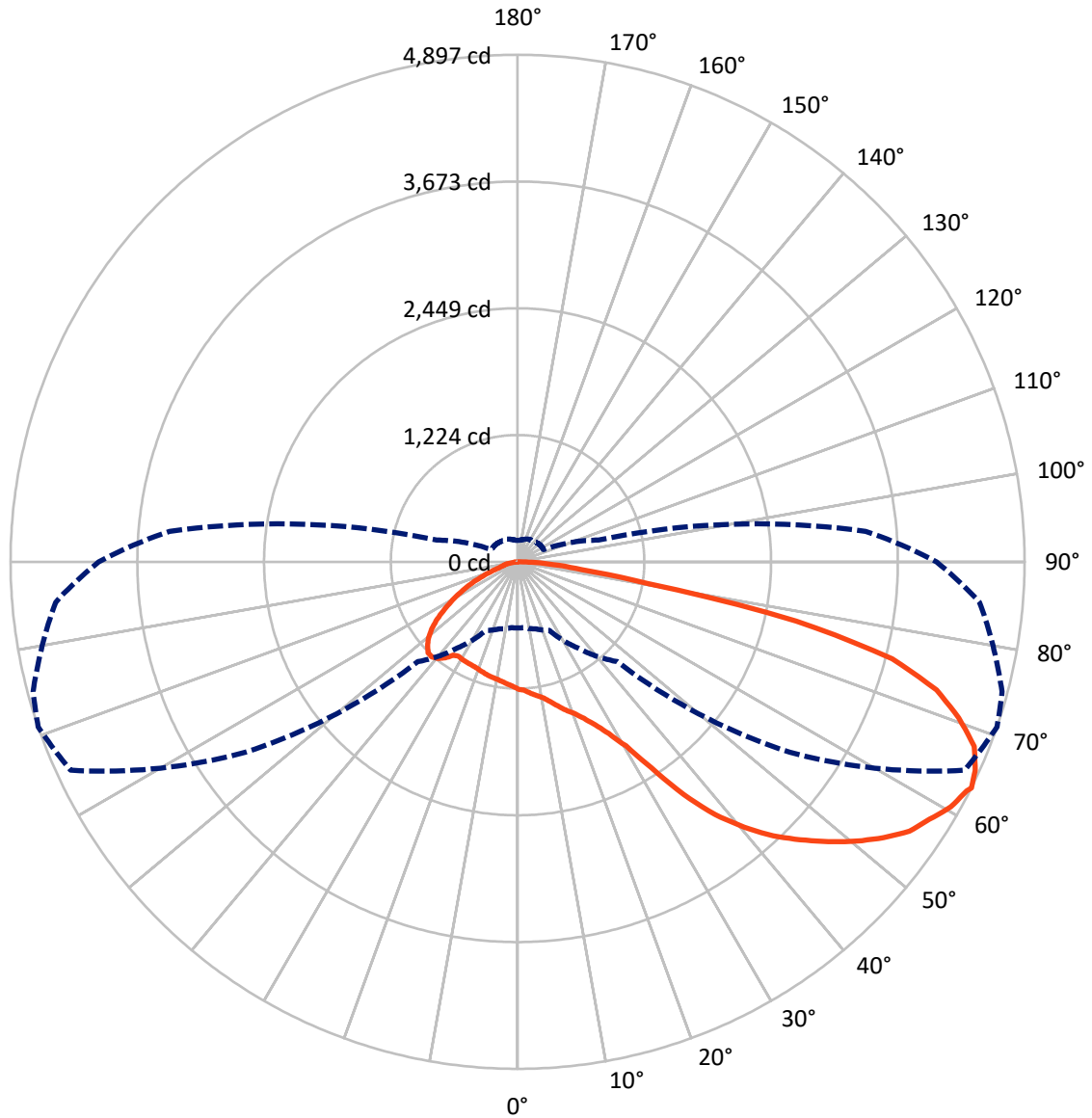
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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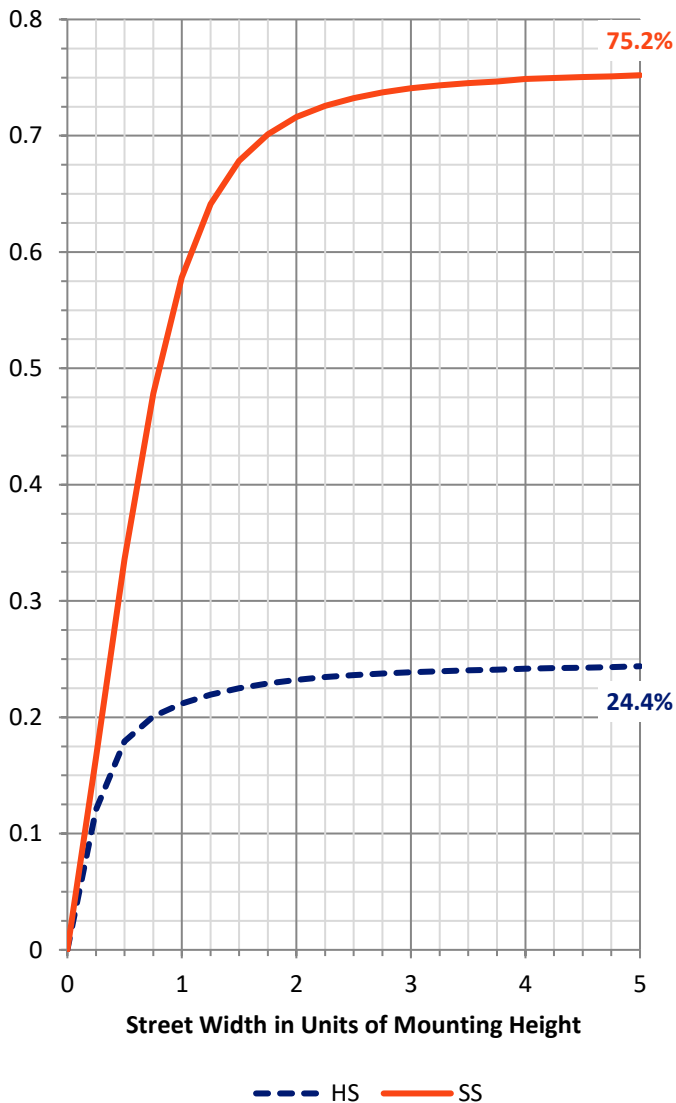
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1798.6	0.0	1798.6
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	5453.4	0.0	5453.4
	% Fixture	75.2	0.0	75.2
Total	Lumens	7252.0	0.0	7252.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	1.6
10°-20°	360.9	5.0
20°-30°	609.4	8.4
30°-40°	915.8	12.6
40°-50°	1258.8	17.4
50°-60°	1463.7	20.2
60°-70°	1455.2	20.1
70°-80°	918.5	12.7
80°-90°	151.3	2.1
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°	7252.0	100.0
0°-180°	7252.0	100.0

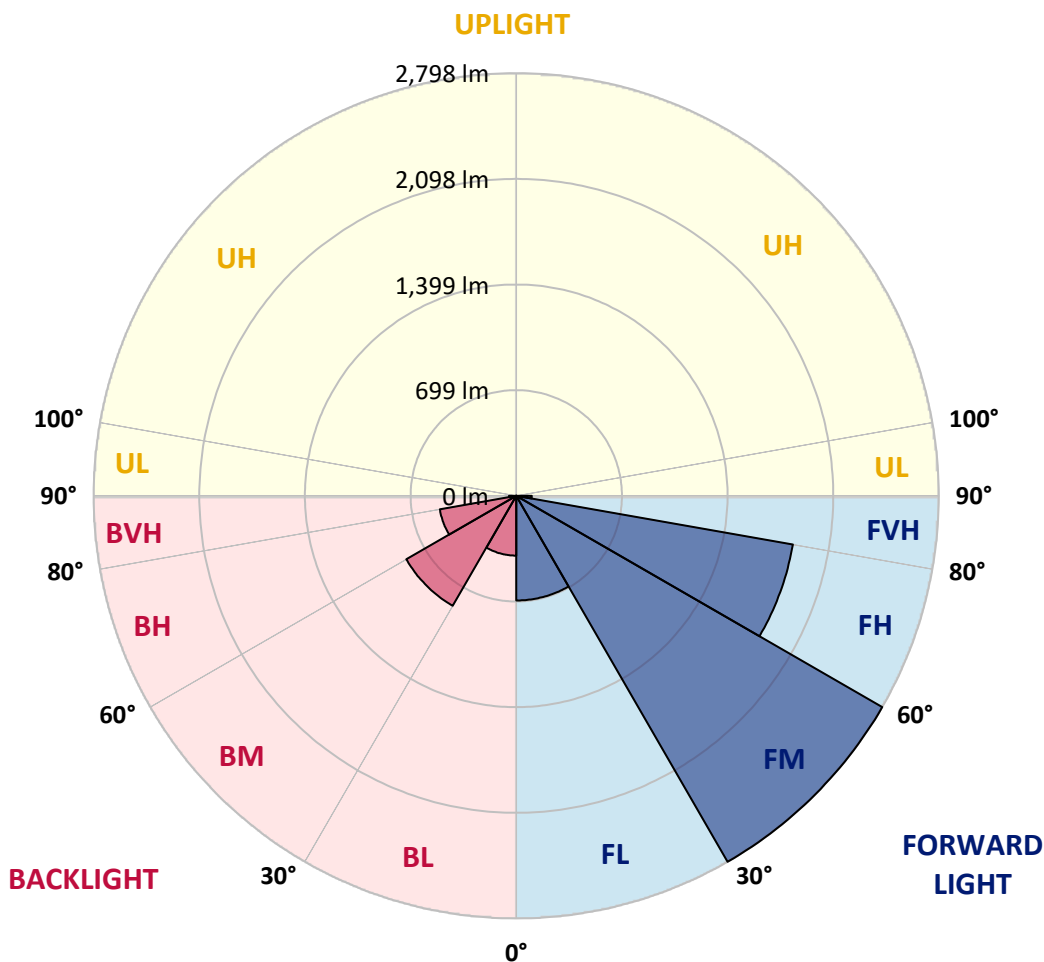


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	692.8	9.6			
FM (30°-60°)	2797.8	38.6			
FH (60°-80°)	1859.9	25.6			G2/5000
FVH (80°-90°)	102.9	1.4			G2/225
BL (0°-30°)	395.9	5.5	B1/500		
BM (30°-60°)	840.5	11.6	B1/1000		
BH (60°-80°)	513.8	7.1	B2/1000		G2/1000
BVH (80°-90°)	48.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0
2.5°	1318.0	1315.9	1313.1	1295.0	1291.9	1280.9	1269.2	1256.5	1242.3	1244.1	1226.7
5°	1392.0	1387.4	1385.6	1358.7	1338.9	1326.9	1311.0	1281.9	1273.8	1267.4	1233.8
7.5°	1451.5	1453.6	1449.7	1424.2	1404.4	1384.6	1356.3	1313.4	1302.8	1289.4	1256.1
10°	1499.6	1504.9	1502.1	1473.1	1456.1	1436.6	1402.3	1358.4	1334.0	1314.5	1261.4
12.5°	1557.7	1554.5	1555.2	1527.6	1512.7	1486.2	1461.0	1411.1	1383.2	1356.3	1285.8
15°	1630.2	1626.0	1620.7	1594.1	1571.8	1556.2	1529.3	1473.8	1443.3	1417.9	1324.8
17.5°	1694.6	1679.8	1677.3	1647.9	1630.2	1609.3	1590.9	1543.5	1505.6	1472.7	1367.6
20°	1737.8	1730.4	1720.5	1703.5	1696.0	1680.5	1657.5	1605.4	1563.0	1529.3	1404.0
22.5°	1766.8	1762.6	1762.6	1757.3	1760.8	1754.4	1736.0	1686.8	1643.3	1595.5	1460.0
25°	1775.3	1762.2	1781.0	1801.5	1826.3	1837.3	1820.3	1786.3	1742.8	1696.0	1532.2
27.5°	1781.3	1779.2	1802.6	1837.6	1900.3	1925.4	1925.4	1906.3	1878.3	1823.1	1636.9
30°	1782.0	1782.8	1814.3	1868.4	1953.0	2022.7	2026.3	2077.2	2062.7	2020.2	1797.3
32.5°	1731.4	1729.7	1777.1	1871.6	1993.7	2104.8	2162.5	2302.3	2369.2	2372.1	2146.2
35°	1629.1	1642.2	1716.9	1840.4	2022.4	2198.3	2331.7	2616.6	2761.4	2757.8	2487.1
37.5°	1548.5	1559.1	1645.1	1807.2	2041.1	2283.6	2521.8	2965.6	3099.4	3087.7	2758.5
40°	1475.2	1487.6	1573.2	1749.1	2034.8	2380.5	2733.1	3267.5	3369.1	3352.8	3014.1
42.5°	1387.4	1396.6	1481.6	1668.1	2016.7	2447.1	2923.1	3543.2	3619.3	3575.4	3214.1
45°	1300.3	1307.1	1399.8	1561.9	1959.7	2491.0	3112.8	3793.8	3829.2	3794.2	3434.9
47.5°	1189.9	1196.6	1303.9	1469.2	1861.7	2489.6	3290.2	4005.1	4038.4	3991.6	3601.3
50°	914.9	921.6	1141.4	1374.3	1725.1	2455.9	3432.1	4200.8	4242.2	4173.9	3788.8
52.5°	831.4	834.6	894.4	1256.5	1550.6	2362.1	3535.4	4376.0	4426.6	4352.3	3951.7
55°	793.2	790.3	814.8	1011.9	1416.1	2212.8	3614.0	4542.0	4593.7	4519.0	4096.8
57.5°	733.0	737.6	779.0	866.4	1294.3	1940.3	3586.0	4697.7	4692.8	4635.4	4239.4
60°	689.8	691.9	733.0	795.3	1148.5	1630.2	3467.8	4784.1	4807.8	4731.4	4362.6
62.5°	644.9	647.7	682.7	739.4	1034.9	1402.6	3278.1	4779.1	4869.0	4822.0	4474.1
63°	639.2	638.5	670.3	731.9	1017.6	1364.1	3208.4	4763.6	4897.4	4844.3	4479.4
65°	594.6	597.4	631.4	688.0	943.2	1258.2	3011.3	4658.5	4857.7	4862.3	4528.2
67.5°	529.8	534.1	563.1	615.5	801.3	1103.6	2493.8	4597.9	4757.2	4785.2	4466.6
70°	453.4	458.0	488.4	536.9	679.2	942.2	1853.5	4335.3	4521.1	4571.0	4188.4
72.5°	359.2	365.3	403.8	452.7	557.1	774.0	1304.6	3906.3	4230.9	4241.2	3800.2
75°	234.3	238.9	294.8	363.1	450.6	613.0	861.8	2990.7	3736.8	3799.8	3257.2
77.5°	138.4	144.8	172.4	200.0	285.3	461.9	559.9	1592.7	2752.5	2953.2	2570.3
80°	37.5	41.4	130.6	152.5	182.3	199.3	344.7	879.2	1274.2	1617.8	1731.1
82.5°	19.5	24.1	72.9	98.0	104.4	101.2	159.3	408.8	622.9	729.8	869.3
85°	8.8	10.6	24.1	35.7	29.0	27.6	53.1	213.4	348.3	404.2	437.1
87.5°	3.2	3.9	8.5	13.1	7.8	6.0	7.4	64.4	134.5	169.9	154.3
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°	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0
2.5°	1214.3	1225.0	1210.8	1194.5	1183.2	1176.8	1171.5	1159.5	1163.0	1167.6	1166.9
5°	1226.0	1227.4	1194.5	1173.6	1148.9	1134.7	1129.4	1108.9	1111.0	1113.1	1112.8
7.5°	1233.5	1220.4	1180.4	1149.9	1123.7	1102.1	1082.0	1061.4	1057.5	1061.4	1064.6
10°	1235.6	1215.8	1170.5	1128.0	1092.6	1061.8	1044.1	1011.9	1006.2	1014.0	1019.0
12.5°	1255.0	1222.1	1163.4	1113.5	1072.1	1031.4	1000.6	964.8	947.8	954.2	960.2
15°	1279.1	1233.5	1157.4	1095.1	1039.9	994.2	953.8	915.3	894.0	902.5	906.8
17.5°	1308.1	1254.3	1157.0	1065.0	1005.5	950.3	909.6	867.8	828.6	842.4	837.8
20°	1340.3	1272.4	1154.9	1037.0	963.4	896.9	842.7	815.1	774.4	774.8	768.7
22.5°	1378.6	1297.2	1152.4	1010.5	912.1	844.8	777.2	745.4	712.1	699.7	695.8
25°	1438.7	1336.8	1156.7	992.4	867.8	776.9	697.6	656.5	642.4	626.8	620.1
27.5°	1520.5	1392.0	1165.9	969.4	812.3	705.0	607.7	568.1	558.2	546.5	538.7
30°	1640.5	1470.9	1176.8	943.2	747.9	607.7	518.2	489.5	473.6	467.5	462.9
32.5°	1945.2	1692.9	1185.3	908.9	681.0	513.9	449.1	420.5	398.2	387.6	388.6
35°	2257.7	1961.8	1245.5	867.8	598.9	435.7	388.6	353.2	326.0	318.9	313.9
37.5°	2502.7	2183.1	1383.2	826.4	520.3	390.4	329.2	298.4	275.4	273.6	284.6
40°	2733.8	2386.2	1496.8	778.7	438.9	338.7	269.0	256.6	246.3	248.8	263.7
42.5°	2925.6	2568.5	1590.2	710.0	373.0	280.3	229.7	242.8	246.0	249.2	250.2
45°	3113.5	2712.2	1640.8	620.1	315.0	233.2	225.5	249.9	255.2	259.8	254.1
47.5°	3307.5	2874.3	1640.1	509.7	271.5	227.9	234.3	249.9	259.1	264.7	263.0
50°	3462.5	2994.6	1619.2	401.0	260.5	240.3	238.9	239.6	254.5	258.4	258.7
52.5°	3609.4	3108.2	1533.2	329.5	275.7	254.5	244.2	235.7	242.1	251.3	241.0
55°	3752.7	3207.0	1380.7	310.0	283.1	266.5	255.2	240.3	233.9	231.8	235.4
57.5°	3870.6	3289.1	1201.6	301.2	285.3	267.6	273.9	240.0	232.9	216.6	214.8
60°	3985.6	3367.0	1025.3	288.8	283.5	265.4	255.5	246.0	229.0	204.6	195.7
62.5°	4057.1	3391.0	840.9	278.2	275.7	263.0	249.2	244.6	225.1	206.3	203.9
63°	4046.9	3374.0	808.7	276.4	273.9	261.2	249.5	242.8	223.3	208.5	207.4
65°	4071.6	3276.7	666.5	265.4	266.5	256.2	244.2	232.2	207.4	196.8	195.0
67.5°	3954.1	3099.0	481.0	245.3	255.2	248.5	233.6	211.7	188.6	174.8	174.1
70°	3645.9	2762.4	330.6	209.2	237.1	237.5	228.3	200.0	174.8	159.3	161.4
72.5°	3210.2	2413.8	213.1	162.8	203.9	218.4	213.1	189.0	156.1	127.8	125.6
75°	2742.6	1968.6	157.1	131.3	150.4	194.3	186.2	154.0	131.0	112.9	111.5
77.5°	2058.5	1423.5	139.1	112.2	111.8	131.7	153.3	151.5	155.4	186.9	182.6
80°	1424.9	1004.5	110.8	91.0	68.3	83.2	129.2	160.3	200.0	116.1	109.0
82.5°	824.7	545.4	36.1	28.7	41.8	53.8	94.9	199.3	132.4	69.4	62.3
85°	388.3	207.1	15.6	8.8	12.4	18.1	53.4	168.5	84.6	34.7	6.4
87.5°	120.3	57.0	3.5	2.8	3.2	3.9	22.7	88.5	58.0	3.9	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)