

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: P511060

Luminaire Tested: **PRV-P-C25-D-UNV-T4**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511060  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C25-D-UNV-T4  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1650mA LED AND TYPE IV OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11774 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

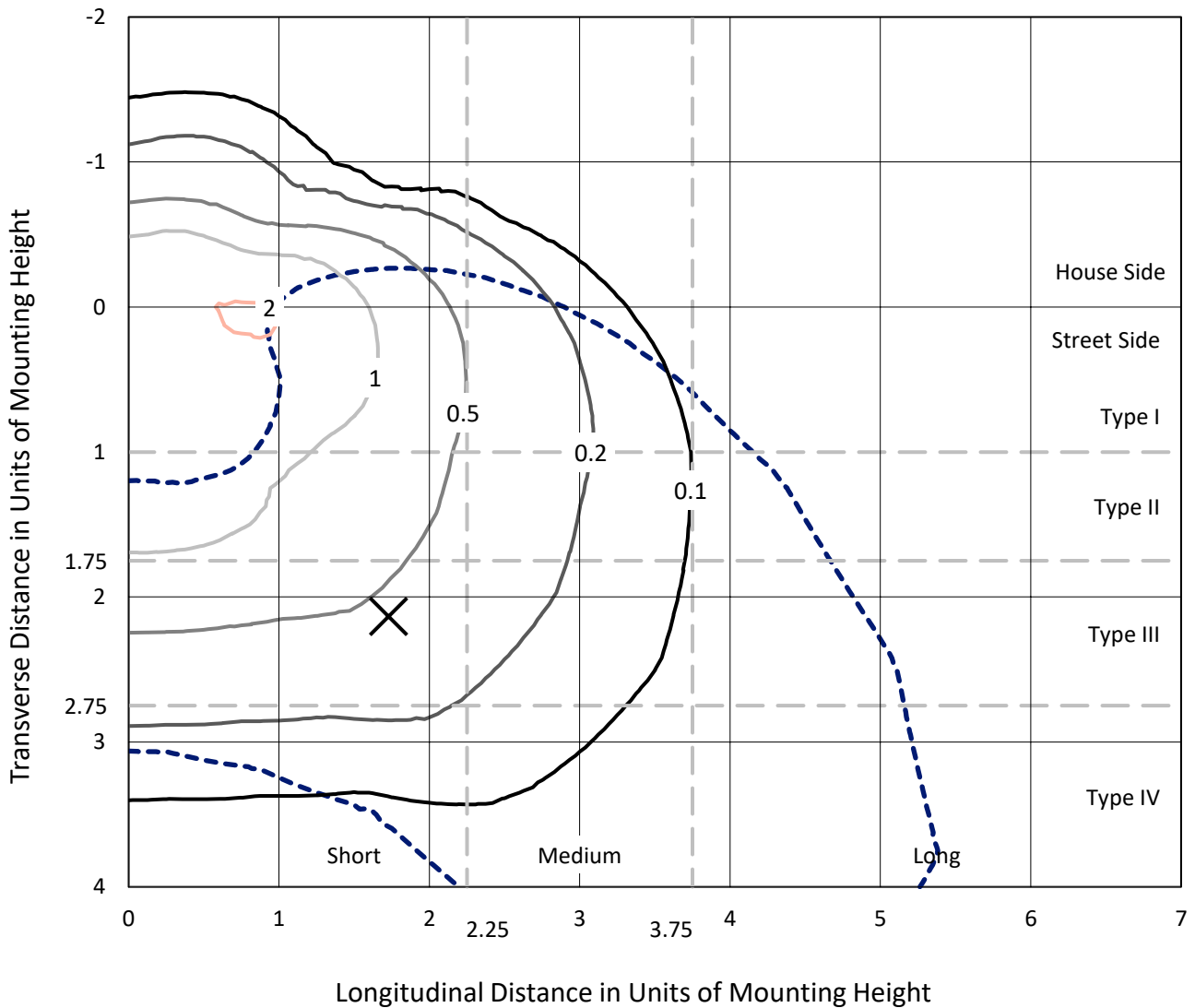
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

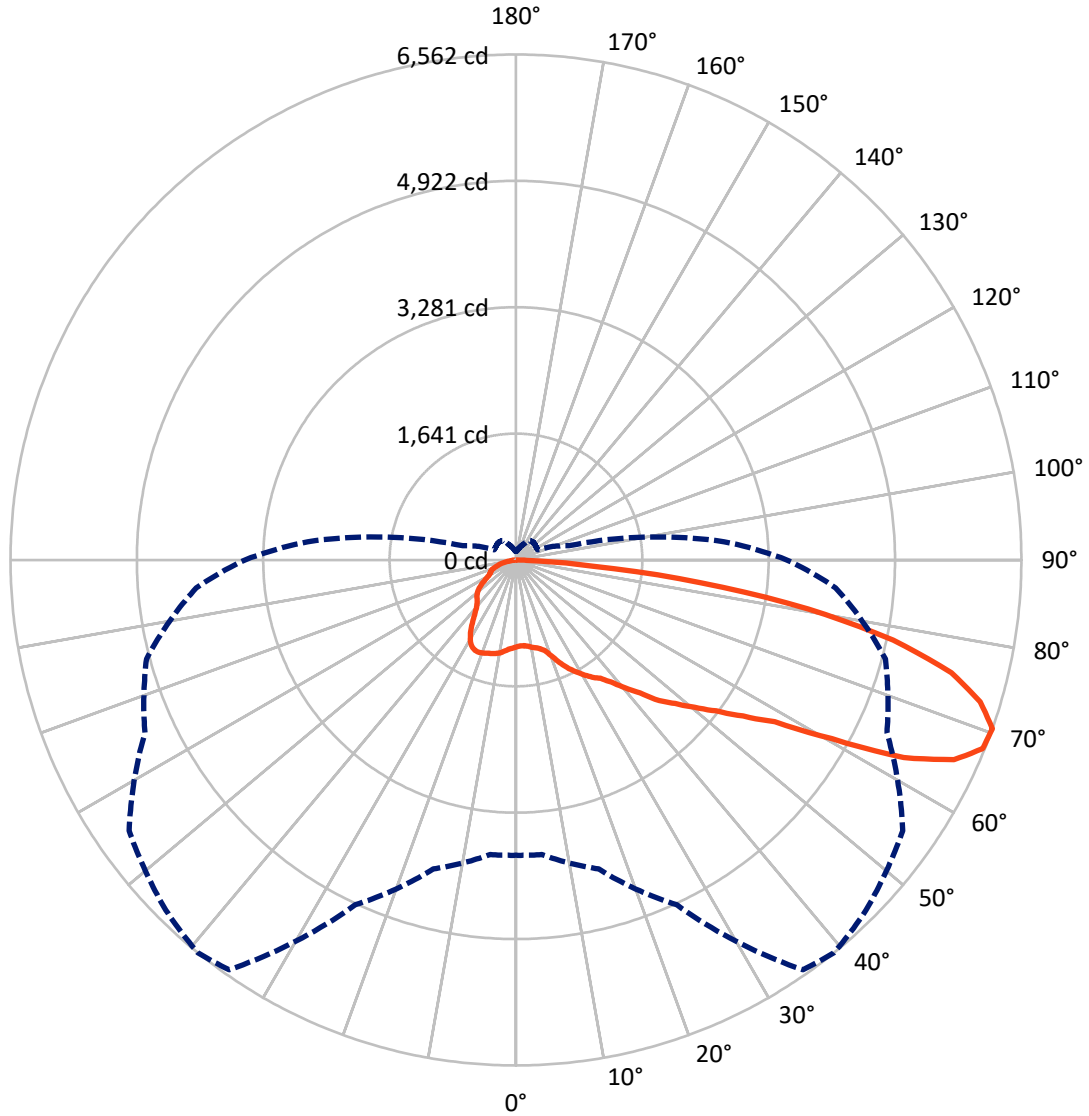
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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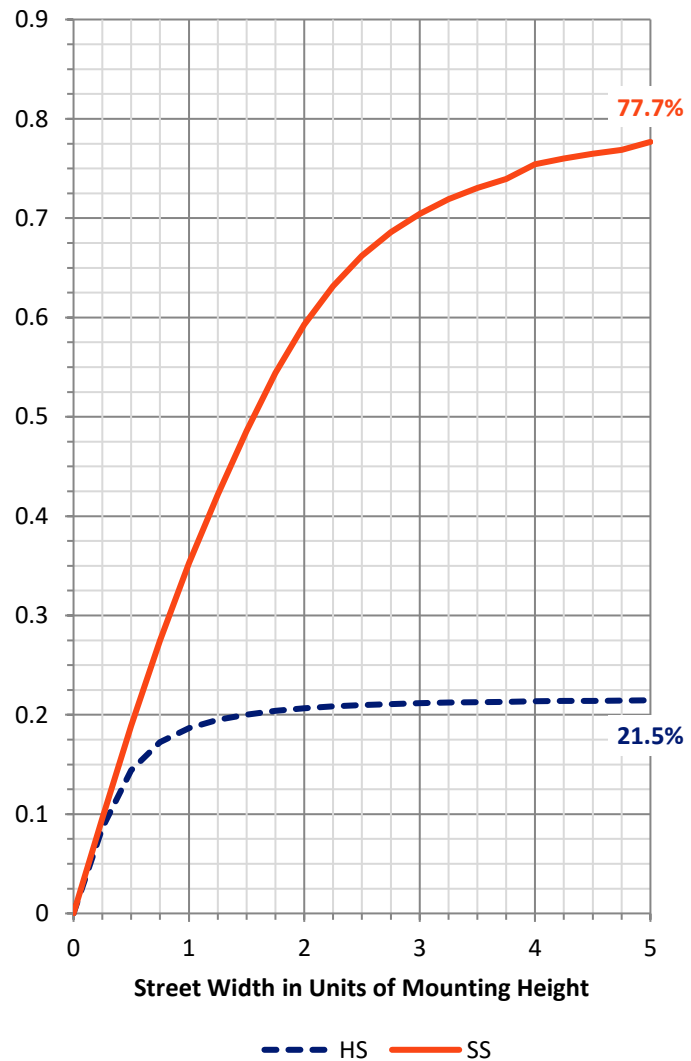
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2546.6	0.0	2546.6
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	9227.4	0.0	9227.4
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	11774.0	0.0	11774.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	0.9
10°-20°	352.7	3.0
20°-30°	669.1	5.7
30°-40°	1046.4	8.9
40°-50°	1589.0	13.5
50°-60°	2327.0	19.8
60°-70°	2994.3	25.4
70°-80°	2276.2	19.3
80°-90°	409.2	3.5
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°	11774.0	100.0
0°-180°	11774.0	100.0

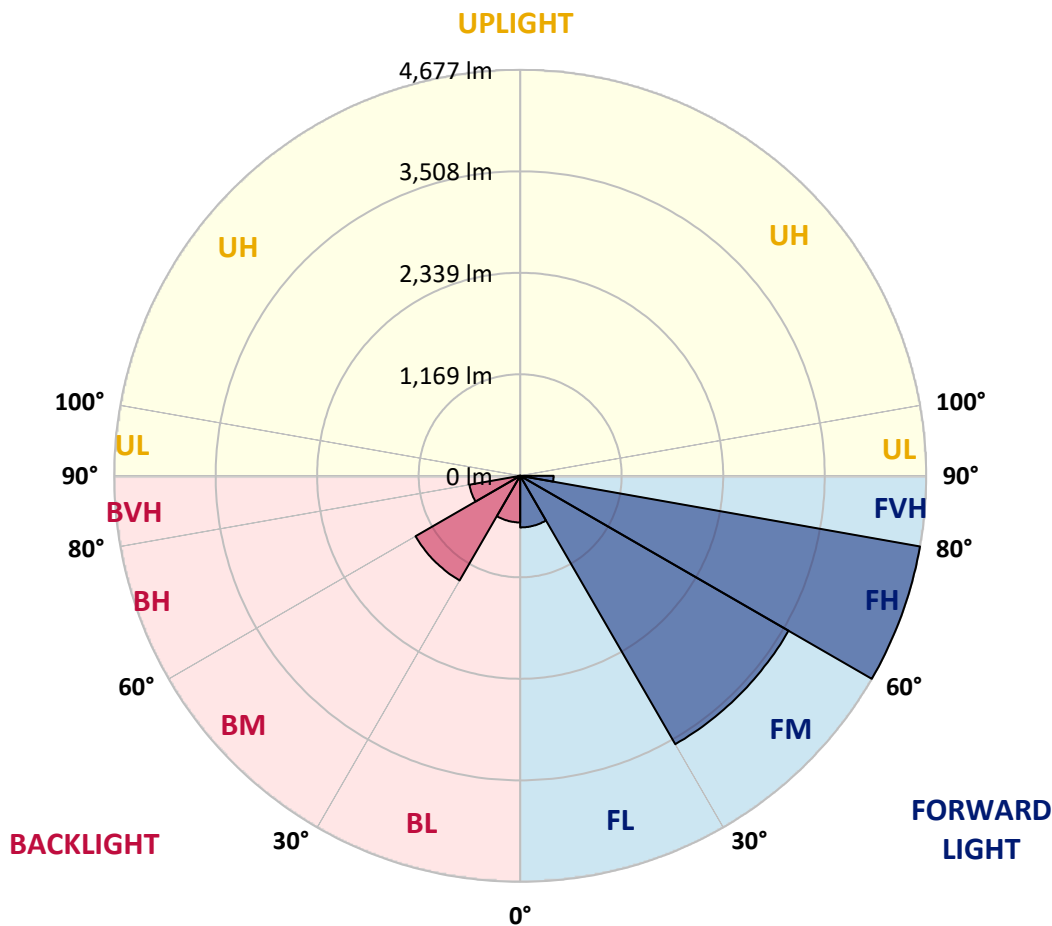


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	594.9	5.1			
FM (30°-60°)	3570.3	30.3			
FH (60°-80°)	4677.2	39.7			G2/5000
FVH (80°-90°)	385.0	3.3			G3/500
BL (0°-30°)	536.9	4.6	B2/1000		
BM (30°-60°)	1392.2	11.8	B2/2500		
BH (60°-80°)	593.3	5.0	B2/1000		G2/1000
BVH (80°-90°)	24.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7
2.5°	1114.6	1112.2	1112.2	1114.6	1114.6	1117.0	1117.0	1119.4	1121.8	1129.1	1131.5
5°	1109.8	1112.2	1112.2	1114.6	1117.0	1117.0	1117.0	1119.4	1119.4	1126.7	1129.1
7.5°	1114.6	1117.0	1121.8	1126.7	1129.1	1131.5	1133.9	1136.3	1136.3	1138.7	1143.6
10°	1121.8	1126.7	1129.1	1138.7	1150.8	1153.2	1158.0	1165.3	1167.7	1170.1	1174.9
12.5°	1138.7	1136.3	1141.1	1153.2	1165.3	1170.1	1177.3	1189.4	1199.0	1199.0	1203.9
15°	1153.2	1155.6	1160.4	1172.5	1187.0	1196.6	1206.3	1220.8	1232.8	1240.1	1244.9
17.5°	1230.4	1225.6	1232.8	1223.2	1232.8	1240.1	1252.1	1269.0	1288.3	1295.5	1305.2
20°	1346.2	1351.0	1339.0	1341.4	1334.1	1331.7	1326.9	1329.3	1348.6	1370.3	1387.2
22.5°	1478.9	1488.5	1483.7	1464.4	1447.5	1445.1	1435.5	1430.6	1435.5	1462.0	1486.1
25°	1597.1	1599.5	1597.1	1573.0	1553.7	1548.9	1548.9	1558.5	1560.9	1570.6	1592.3
27.5°	1686.4	1686.4	1679.1	1664.7	1645.4	1638.1	1645.4	1669.5	1691.2	1705.7	1729.8
30°	1756.3	1756.3	1749.1	1741.9	1734.6	1727.4	1732.2	1782.9	1833.5	1867.3	1922.8
32.5°	1898.7	1889.0	1872.1	1807.0	1814.2	1814.2	1819.1	1877.0	1963.8	2048.3	2125.5
35°	2041.0	2033.8	2014.5	1968.6	1889.0	1886.6	1913.2	1978.3	2089.3	2243.7	2376.4
37.5°	2222.0	2214.7	2193.0	2123.0	2048.3	2009.7	1987.9	2082.0	2238.8	2487.3	2673.1
40°	2431.9	2429.4	2390.8	2301.6	2205.1	2183.4	2132.7	2197.8	2419.8	2774.4	2979.5
42.5°	2591.1	2591.1	2562.1	2468.0	2395.7	2359.5	2328.1	2354.7	2634.5	3105.0	3269.0
45°	2702.1	2716.5	2697.2	2651.4	2608.0	2605.6	2579.0	2639.3	2912.0	3452.4	3546.5
47.5°	2839.6	2844.4	2803.4	2788.9	2781.7	2784.1	2822.7	2938.5	3187.0	3763.6	3790.1
50°	3230.4	3225.6	3071.2	2998.8	2960.2	3008.5	3073.6	3232.8	3515.1	4043.4	4000.0
52.5°	3715.3	3645.4	3387.2	3252.1	3223.2	3256.9	3339.0	3515.1	3896.3	4289.5	4166.5
55°	4219.6	4168.9	3997.6	3698.4	3532.0	3577.8	3621.2	3785.3	4250.9	4509.1	4316.1
57.5°	4545.3	4550.1	4540.4	4388.4	4019.3	3963.8	3966.2	4082.0	4547.7	4745.5	4443.9
60°	4813.0	4856.5	4974.7	4940.9	4873.4	4714.1	4419.8	4393.3	4822.7	4912.0	4540.4
62.5°	4955.4	4977.1	5170.1	5339.0	5633.3	5652.6	5312.4	4745.5	5080.8	5027.8	4586.3
65°	4822.7	4837.2	5097.7	5440.3	6147.2	6250.9	6132.7	5302.8	5276.3	5085.7	4564.6
67.5°	4386.0	4410.1	4682.8	5331.7	6458.4	6535.6	6436.7	6021.7	5355.9	5061.5	4436.7
70°	3833.5	3838.4	4152.0	4938.5	6494.6	6562.1	6429.5	6130.3	5314.9	4965.0	4166.5
72.5°	3102.5	3133.9	3457.2	4267.8	6236.5	6301.6	6222.0	5990.4	5220.8	4767.2	3667.1
75°	2383.6	2357.1	2665.9	3394.5	5585.1	5838.4	5807.0	5732.2	4972.3	4202.7	2851.6
77.5°	1483.7	1524.7	1823.9	2550.1	4595.9	5008.5	5211.1	5293.1	4313.6	3232.8	1638.1
80°	687.6	706.9	1039.8	1705.7	3401.7	3848.0	4236.4	4231.6	3187.0	1922.8	482.5
82.5°	217.1	226.8	417.4	965.0	2149.6	2419.8	2714.1	2463.2	1107.4	236.4	77.2
85°	91.7	98.9	171.3	361.9	829.9	996.4	1155.6	1143.6	120.6	62.7	43.4
87.5°	50.7	53.1	65.1	96.5	127.9	135.1	149.6	132.7	26.5	26.5	14.5
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°	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7	1126.7
2.5°	1131.5	1131.5	1136.3	1141.1	1141.1	1143.6	1143.6	1143.6	1143.6	1138.7	1136.3
5°	1131.5	1133.9	1141.1	1148.4	1155.6	1158.0	1162.9	1162.9	1165.3	1167.7	1165.3
7.5°	1148.4	1153.2	1162.9	1174.9	1182.2	1187.0	1191.8	1194.2	1194.2	1196.6	1196.6
10°	1177.3	1182.2	1199.0	1211.1	1218.3	1223.2	1220.8	1220.8	1223.2	1220.8	1220.8
12.5°	1206.3	1213.5	1232.8	1249.7	1249.7	1242.5	1237.6	1232.8	1230.4	1228.0	1225.6
15°	1249.7	1254.5	1281.1	1290.7	1281.1	1264.2	1247.3	1230.4	1218.3	1211.1	1211.1
17.5°	1314.8	1326.9	1355.9	1346.2	1322.1	1285.9	1252.1	1215.9	1187.0	1170.1	1170.1
20°	1399.3	1413.8	1440.3	1418.6	1372.7	1317.3	1256.9	1191.8	1133.9	1100.1	1092.9
22.5°	1500.6	1522.3	1532.0	1488.5	1421.0	1346.2	1256.9	1167.7	1076.0	998.8	981.9
25°	1623.6	1640.5	1616.4	1541.6	1452.4	1351.0	1244.9	1129.1	991.6	885.4	873.3
27.5°	1761.2	1761.2	1696.0	1582.6	1459.6	1331.7	1211.1	1056.7	885.4	808.2	798.6
30°	1930.0	1893.9	1766.0	1606.8	1440.3	1293.1	1143.6	943.3	805.8	738.2	731.0
32.5°	2111.0	2036.2	1833.5	1614.0	1401.7	1225.6	1039.8	854.0	747.9	677.9	668.3
35°	2330.5	2212.3	1903.5	1597.1	1329.3	1129.1	916.8	781.7	687.6	610.4	600.7
37.5°	2605.6	2436.7	1980.7	1560.9	1237.6	1006.0	820.3	711.7	629.7	545.2	530.8
40°	2890.2	2694.8	2096.5	1512.7	1131.5	895.1	743.1	663.5	586.3	497.0	477.7
42.5°	3172.5	2938.5	2243.7	1469.2	1037.4	820.3	711.7	656.2	571.8	477.7	460.8
45°	3421.0	3153.2	2381.2	1418.6	933.7	752.7	697.2	649.0	564.5	468.0	448.7
47.5°	3621.2	3351.0	2513.9	1375.2	837.2	706.9	682.8	629.7	545.2	453.6	434.3
50°	3809.4	3512.7	2605.6	1339.0	750.3	670.7	651.4	586.3	501.8	415.0	402.9
52.5°	3963.8	3640.5	2663.5	1353.4	665.9	632.1	600.7	528.3	443.9	378.8	361.9
55°	4079.6	3712.9	2673.1	1329.3	591.1	571.8	535.6	472.9	412.5	357.1	342.6
57.5°	4176.1	3746.7	2636.9	1121.8	525.9	499.4	470.4	429.4	371.5	318.5	308.8
60°	4207.5	3744.3	2545.2	796.1	453.6	412.5	422.2	390.8	330.5	279.9	270.2
62.5°	4190.6	3686.4	2308.8	554.9	386.0	373.9	388.4	357.1	296.7	250.9	243.7
65°	4101.3	3541.6	1951.8	386.0	349.8	357.1	371.5	337.8	275.0	231.6	226.8
67.5°	3896.3	3261.8	1428.2	332.9	332.9	345.0	352.2	308.8	190.6	135.1	125.5
70°	3519.9	2714.1	714.1	311.2	313.6	323.3	306.4	222.0	161.6	115.8	111.0
72.5°	2870.9	1913.2	253.3	287.1	289.5	277.4	248.5	195.4	139.9	101.3	94.1
75°	1864.9	936.1	219.5	267.8	250.9	234.0	219.5	164.1	118.2	72.4	67.6
77.5°	813.0	214.7	205.1	231.6	214.7	207.5	156.8	120.6	79.6	50.7	48.3
80°	137.5	127.9	193.0	171.3	171.3	127.9	96.5	72.4	48.3	31.4	29.0
82.5°	65.1	91.7	149.6	111.0	94.1	62.7	55.5	50.7	36.2	24.1	24.1
85°	48.3	72.4	57.9	50.7	36.2	36.2	41.0	29.0	24.1	12.1	12.1
87.5°	14.5	12.1	12.1	9.7	12.1	4.8	4.8	2.4	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)