

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: P511054

Luminaire Tested: **PRV-P-C25-D-UNV-T4-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511054
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-T4-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1650mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11561 lumens
Efficiency: N/A
Efficacy: 122.9 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

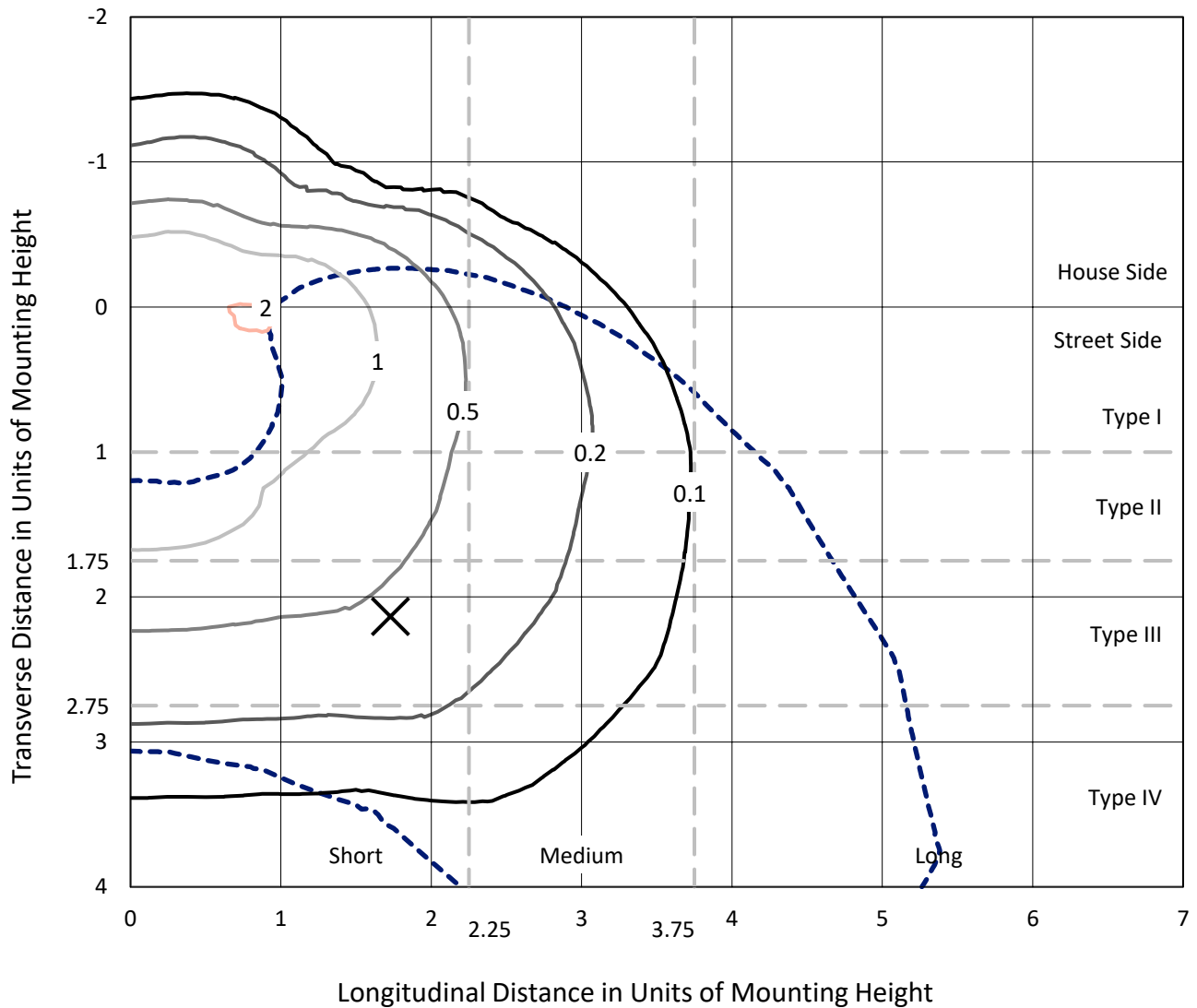
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: PRV-P-C25-D-UNV-T4-7030

Iso-Footcandle Lines of Horizontal Illumination

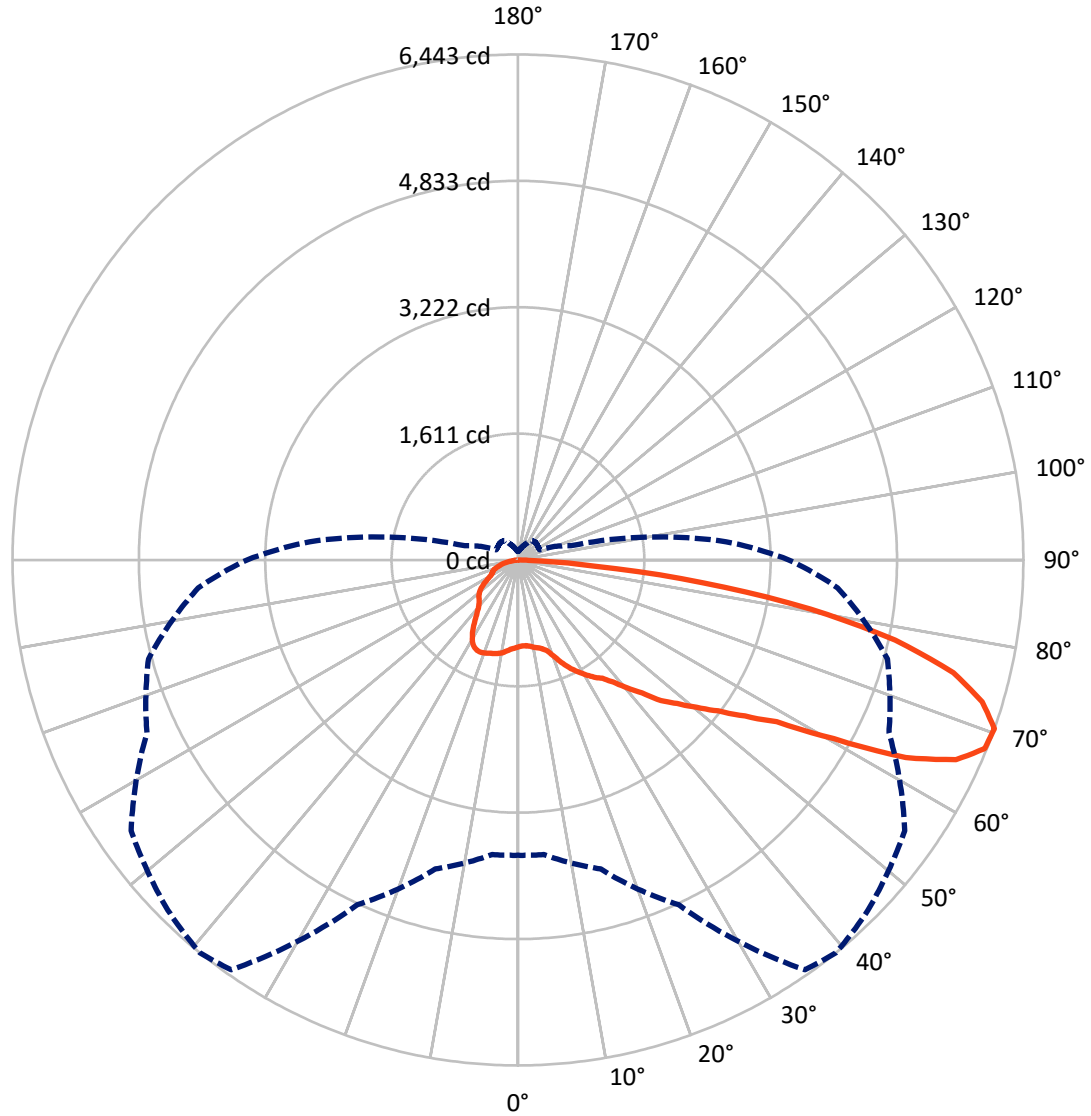
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

REPORT NUMBER: P511054
CATALOG NUMBER: PRV-P-C25-D-UNV-T4-7030

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: PRV-P-C25-D-UNV-T4-7030

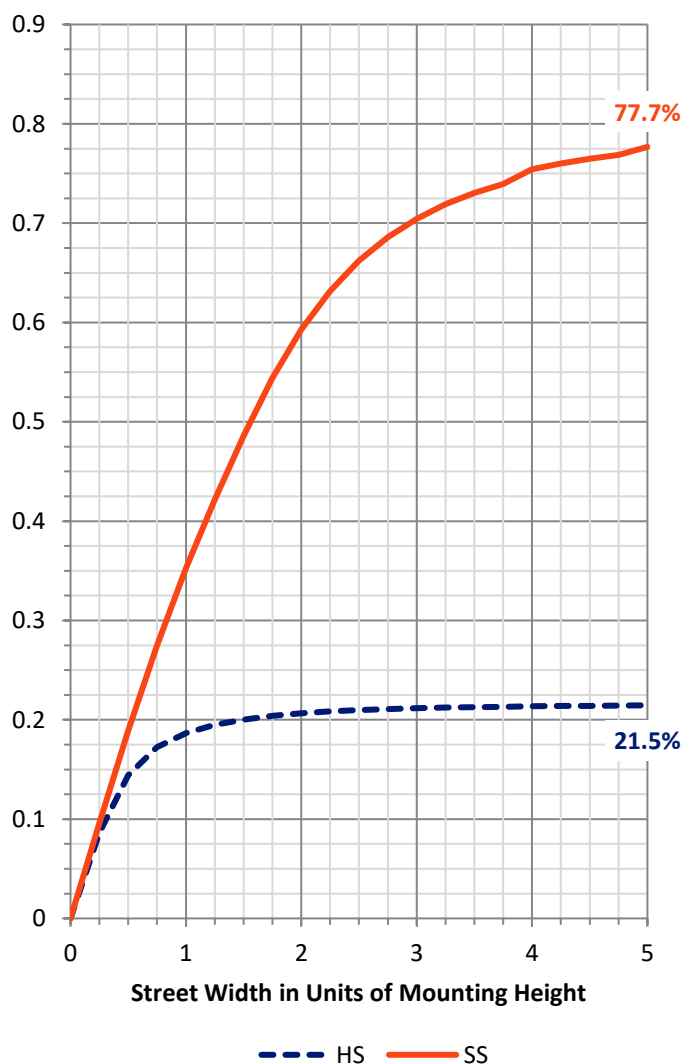
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2500.5	0.0	2500.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	9060.5	0.0	9060.5
	% Fixture	78.4	0.0	78.4
Total	Lumens	11561.0	0.0	11561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	0.9
10°-20°	346.3	3.0
20°-30°	657.0	5.7
30°-40°	1027.5	8.9
40°-50°	1560.3	13.5
50°-60°	2284.9	19.8
60°-70°	2940.1	25.4
70°-80°	2235.0	19.3
80°-90°	401.8	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°	11561.0	100.0
0°-180°	11561.0	100.0

Coefficient of Utilization

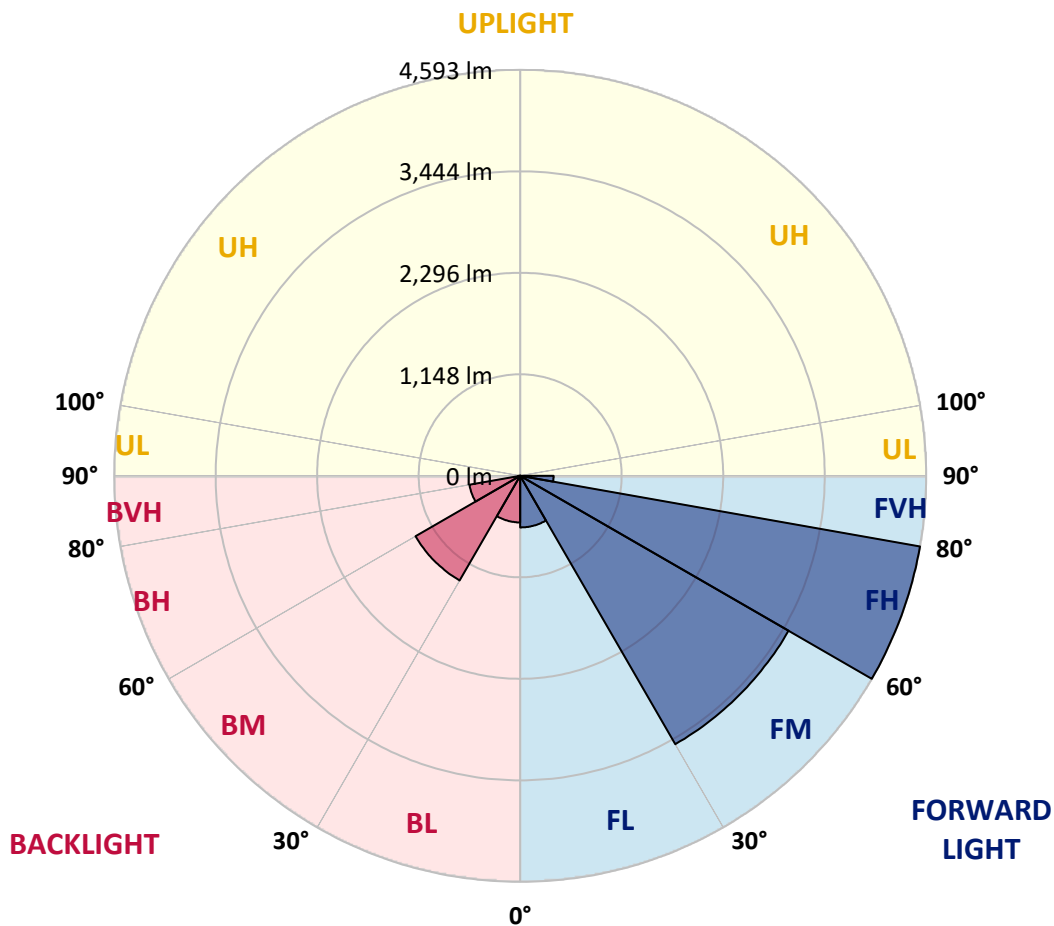


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.2	5.1			
FM (30°-60°)	3505.7	30.3			
FH (60°-80°)	4592.6	39.7			G2/5000
FVH (80°-90°)	378.1	3.3			G3/500
BL (0°-30°)	527.2	4.6	B2/1000		
BM (30°-60°)	1367.0	11.8	B2/2500		
BH (60°-80°)	582.5	5.0	B2/1000		G2/1000
BVH (80°-90°)	23.7	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





REPORT NUMBER: P511054

CATALOG NUMBER: PRV-P-C25-D-UNV-T4-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1094.4	1092.1	1092.1	1094.4	1094.4	1096.8	1096.8	1099.2	1101.5	1108.6	1111.0
5°	1089.7	1092.1	1092.1	1094.4	1096.8	1096.8	1096.8	1099.2	1099.2	1106.3	1108.6
7.5°	1094.4	1096.8	1101.5	1106.3	1108.6	1111.0	1113.4	1115.8	1115.8	1118.1	1122.9
10°	1101.5	1106.3	1108.6	1118.1	1130.0	1132.3	1137.1	1144.2	1146.6	1148.9	1153.7
12.5°	1118.1	1115.8	1120.5	1132.3	1144.2	1148.9	1156.0	1167.9	1177.3	1177.3	1182.1
15°	1132.3	1134.7	1139.4	1151.3	1165.5	1175.0	1184.5	1198.7	1210.5	1217.6	1222.4
17.5°	1208.1	1203.4	1210.5	1201.0	1210.5	1217.6	1229.5	1246.0	1265.0	1272.1	1281.6
20°	1321.9	1326.6	1314.7	1317.1	1310.0	1307.6	1302.9	1305.3	1324.2	1345.5	1362.1
22.5°	1452.1	1461.6	1456.9	1437.9	1421.3	1419.0	1409.5	1404.8	1409.5	1435.6	1459.2
25°	1568.2	1570.6	1568.2	1544.5	1525.6	1520.8	1520.8	1530.3	1532.7	1542.2	1563.5
27.5°	1655.9	1655.9	1648.8	1634.5	1615.6	1608.5	1615.6	1639.3	1660.6	1674.8	1698.5
30°	1724.6	1724.6	1717.5	1710.4	1703.2	1696.1	1700.9	1750.6	1800.4	1833.5	1888.0
32.5°	1864.3	1854.9	1838.3	1774.3	1781.4	1781.4	1786.2	1843.0	1928.3	2011.2	2087.0
35°	2004.1	1997.0	1978.0	1933.0	1854.9	1852.5	1878.5	1942.5	2051.5	2203.1	2333.4
37.5°	2181.8	2174.7	2153.3	2084.6	2011.2	1973.3	1952.0	2044.4	2198.3	2442.3	2624.8
40°	2387.9	2385.5	2347.6	2259.9	2165.2	2143.9	2094.1	2158.1	2376.0	2724.2	2925.6
42.5°	2544.2	2544.2	2515.8	2423.4	2352.3	2316.8	2286.0	2312.1	2586.8	3048.8	3209.9
45°	2653.2	2667.4	2648.4	2603.4	2560.8	2558.4	2532.4	2591.6	2859.3	3389.9	3482.3
47.5°	2788.2	2792.9	2752.7	2738.5	2731.4	2733.7	2771.6	2885.3	3129.3	3695.5	3721.6
50°	3172.0	3167.2	3015.6	2944.6	2906.7	2954.0	3018.0	3174.3	3451.5	3970.3	3927.7
52.5°	3648.1	3579.4	3325.9	3193.3	3164.9	3198.0	3278.6	3451.5	3825.8	4211.9	4091.1
55°	4143.2	4093.5	3925.3	3631.5	3468.1	3513.1	3555.7	3716.8	4174.0	4427.5	4238.0
57.5°	4463.0	4467.8	4458.3	4309.0	3946.6	3892.1	3894.5	4008.2	4465.4	4659.6	4363.5
60°	4726.0	4768.6	4884.7	4851.5	4785.2	4628.8	4339.8	4313.8	4735.4	4823.1	4458.3
62.5°	4865.7	4887.1	5076.6	5242.4	5531.4	5550.4	5216.3	4659.6	4988.9	4936.8	4503.3
65°	4735.4	4749.7	5005.5	5341.9	6036.0	6137.8	6021.8	5206.9	5180.8	4993.7	4482.0
67.5°	4306.7	4330.4	4598.1	5235.3	6341.6	6417.4	6320.2	5912.8	5259.0	4970.0	4356.4
70°	3764.2	3768.9	4076.9	4849.2	6377.1	6443.4	6313.1	6019.4	5218.7	4875.2	4091.1
72.5°	3046.4	3077.2	3394.6	4190.6	6123.6	6187.6	6109.4	5882.0	5126.3	4681.0	3600.7
75°	2340.5	2314.4	2617.6	3333.1	5484.0	5732.8	5702.0	5628.5	4882.3	4126.6	2800.1
77.5°	1456.9	1497.2	1790.9	2503.9	4512.8	4917.9	5116.8	5197.4	4235.6	3174.3	1608.5
80°	675.1	694.1	1021.0	1674.8	3340.2	3778.4	4159.8	4155.1	3129.3	1888.0	473.8
82.5°	213.2	222.7	409.8	947.6	2110.7	2376.0	2665.0	2418.7	1087.3	232.2	75.8
85°	90.0	97.1	168.2	355.3	814.9	978.4	1134.7	1122.9	118.4	61.6	42.6
87.5°	49.7	52.1	64.0	94.8	125.6	132.7	146.9	130.3	26.1	26.1	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511054

CATALOG NUMBER: PRV-P-C25-D-UNV-T4-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1111.0	1111.0	1115.8	1120.5	1120.5	1122.9	1122.9	1122.9	1122.9	1118.1	1115.8
5°	1111.0	1113.4	1120.5	1127.6	1134.7	1137.1	1141.8	1141.8	1144.2	1146.6	1144.2
7.5°	1127.6	1132.3	1141.8	1153.7	1160.8	1165.5	1170.2	1172.6	1172.6	1175.0	1175.0
10°	1156.0	1160.8	1177.3	1189.2	1196.3	1201.0	1198.7	1198.7	1201.0	1198.7	1198.7
12.5°	1184.5	1191.6	1210.5	1227.1	1227.1	1220.0	1215.3	1210.5	1208.1	1205.8	1203.4
15°	1227.1	1231.8	1257.9	1267.4	1257.9	1241.3	1224.7	1208.1	1196.3	1189.2	1189.2
17.5°	1291.1	1302.9	1331.3	1321.9	1298.2	1262.6	1229.5	1193.9	1165.5	1148.9	1148.9
20°	1374.0	1388.2	1414.2	1392.9	1347.9	1293.4	1234.2	1170.2	1113.4	1080.2	1073.1
22.5°	1473.5	1494.8	1504.3	1461.6	1395.3	1321.9	1234.2	1146.6	1056.5	980.7	964.1
25°	1594.3	1610.9	1587.2	1513.7	1426.1	1326.6	1222.4	1108.6	973.6	869.4	857.5
27.5°	1729.3	1729.3	1665.3	1554.0	1433.2	1307.6	1189.2	1037.6	869.4	793.6	784.1
30°	1895.1	1859.6	1734.0	1577.7	1414.2	1269.7	1122.9	926.2	791.2	724.9	717.8
32.5°	2072.8	1999.4	1800.4	1584.8	1376.3	1203.4	1021.0	838.6	734.4	665.7	656.2
35°	2288.4	2172.3	1869.1	1568.2	1305.3	1108.6	900.2	767.5	675.1	599.3	589.9
37.5°	2558.4	2392.6	1944.9	1532.7	1215.3	987.8	805.4	698.8	618.3	535.4	521.2
40°	2838.0	2646.1	2058.6	1485.3	1111.0	878.9	729.6	651.4	575.6	488.0	469.0
42.5°	3115.1	2885.3	2203.1	1442.7	1018.6	805.4	698.8	644.3	561.4	469.0	452.5
45°	3359.1	3096.2	2338.1	1392.9	916.8	739.1	684.6	637.2	554.3	459.6	440.6
47.5°	3555.7	3290.4	2468.4	1350.3	822.0	694.1	670.4	618.3	535.4	445.4	426.4
50°	3740.5	3449.1	2558.4	1314.7	736.7	658.6	639.6	575.6	492.7	407.5	395.6
52.5°	3892.1	3574.7	2615.3	1329.0	653.8	620.7	589.9	518.8	435.9	371.9	355.3
55°	4005.8	3645.8	2624.8	1305.3	580.4	561.4	525.9	464.3	405.1	350.6	336.4
57.5°	4100.6	3678.9	2589.2	1101.5	516.4	490.4	461.9	421.7	364.8	312.7	303.2
60°	4131.4	3676.5	2499.2	781.7	445.4	405.1	414.6	383.8	324.5	274.8	265.3
62.5°	4114.8	3619.7	2267.0	544.8	379.0	367.2	381.4	350.6	291.4	246.4	239.3
65°	4027.1	3477.6	1916.4	379.0	343.5	350.6	364.8	331.6	270.1	227.4	222.7
67.5°	3825.8	3202.8	1402.4	326.9	326.9	338.8	345.9	303.2	187.1	132.7	123.2
70°	3456.2	2665.0	701.2	305.6	308.0	317.4	300.9	217.9	158.7	113.7	109.0
72.5°	2819.0	1878.5	248.7	281.9	284.3	272.4	244.0	191.9	137.4	99.5	92.4
75°	1831.2	919.1	215.6	262.9	246.4	229.8	215.6	161.1	116.1	71.1	66.3
77.5°	798.3	210.8	201.4	227.4	210.8	203.7	154.0	118.4	78.2	49.7	47.4
80°	135.0	125.6	189.5	168.2	168.2	125.6	94.8	71.1	47.4	30.8	28.4
82.5°	64.0	90.0	146.9	109.0	92.4	61.6	54.5	49.7	35.5	23.7	23.7
85°	47.4	71.1	56.9	49.7	35.5	35.5	40.3	28.4	23.7	11.8	11.8
87.5°	14.2	11.8	11.8	9.5	11.8	4.7	4.7	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)