

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: P511309

Luminaire Tested: **PRV-P-PA1D-730-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-730-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9932 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

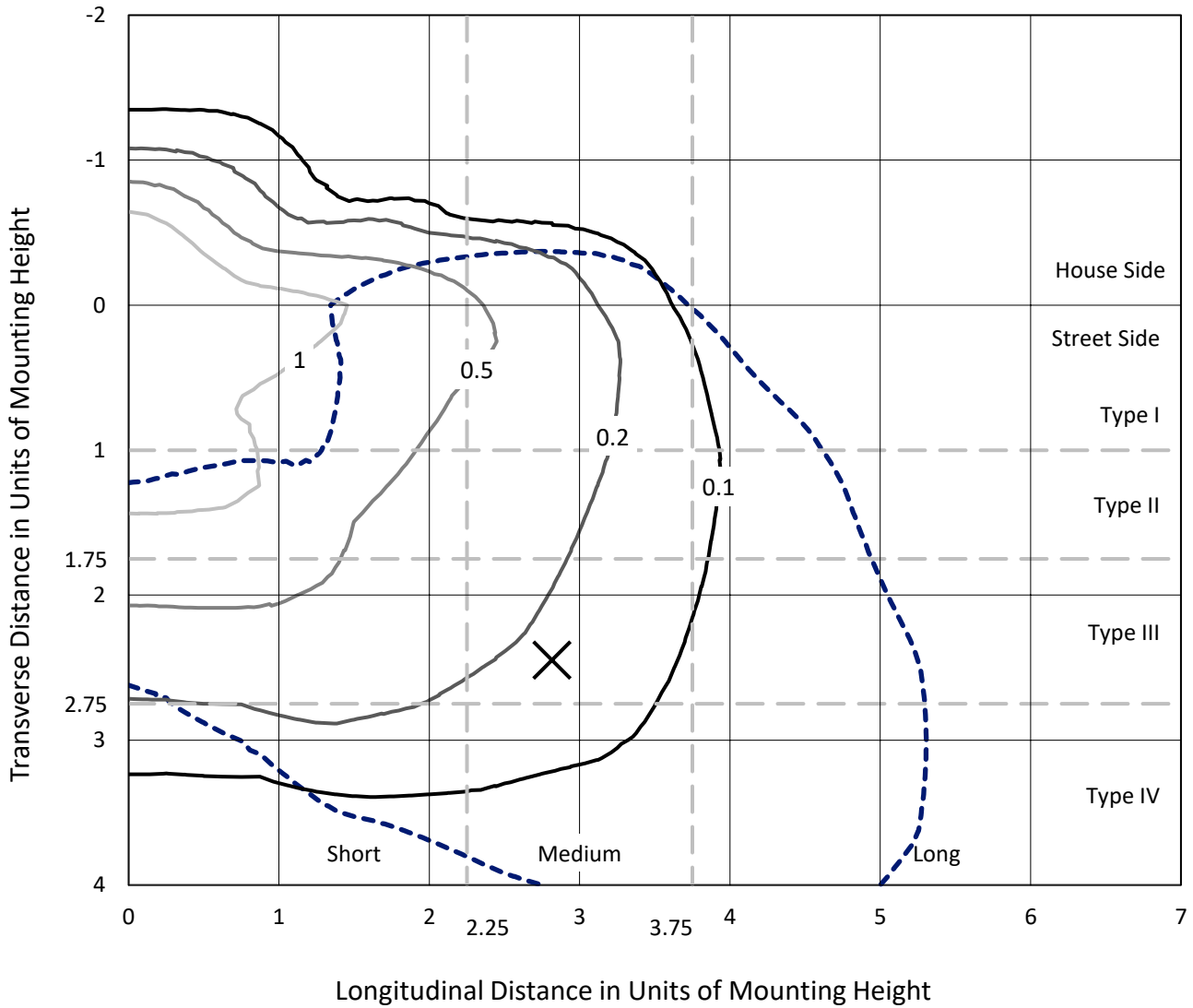
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

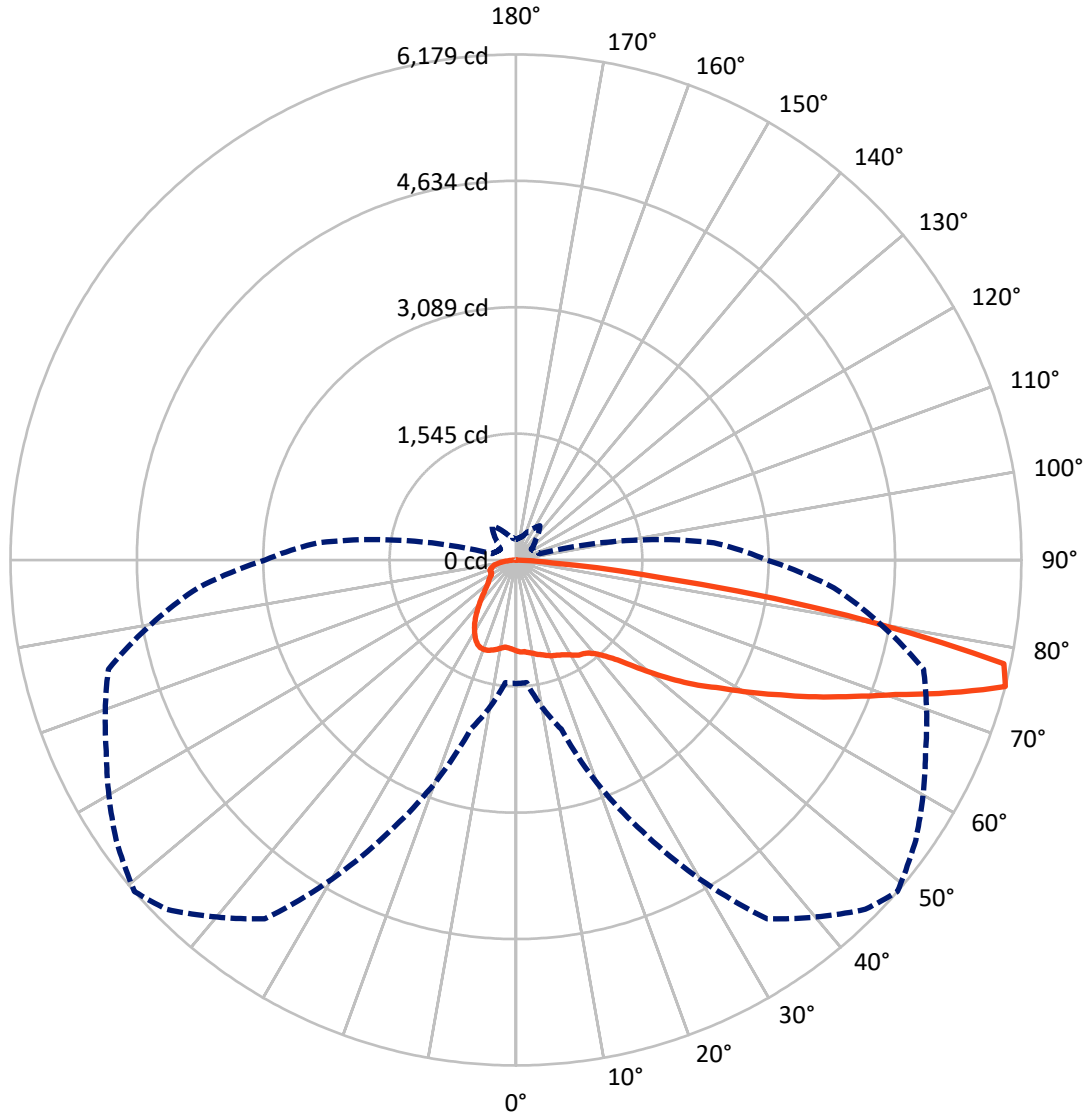
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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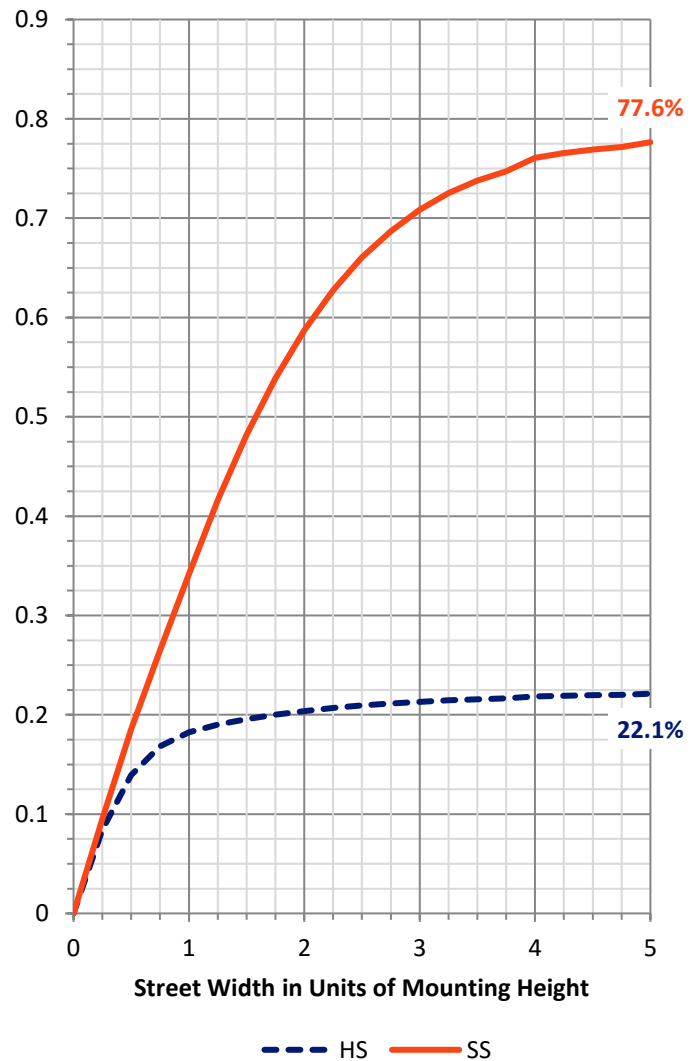
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2224.4	0.0	2224.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7707.6	0.0	7707.6
	% Fixture	77.6	0.0	77.6
Total	Lumens	9932.0	0.0	9932.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	1.1
10°-20°	335.1	3.4
20°-30°	564.2	5.7
30°-40°	764.5	7.7
40°-50°	1122.0	11.3
50°-60°	1787.7	18.0
60°-70°	2603.8	26.2
70°-80°	2355.9	23.7
80°-90°	291.8	2.9
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°	9932.0	100.0
0°-180°	9932.0	100.0

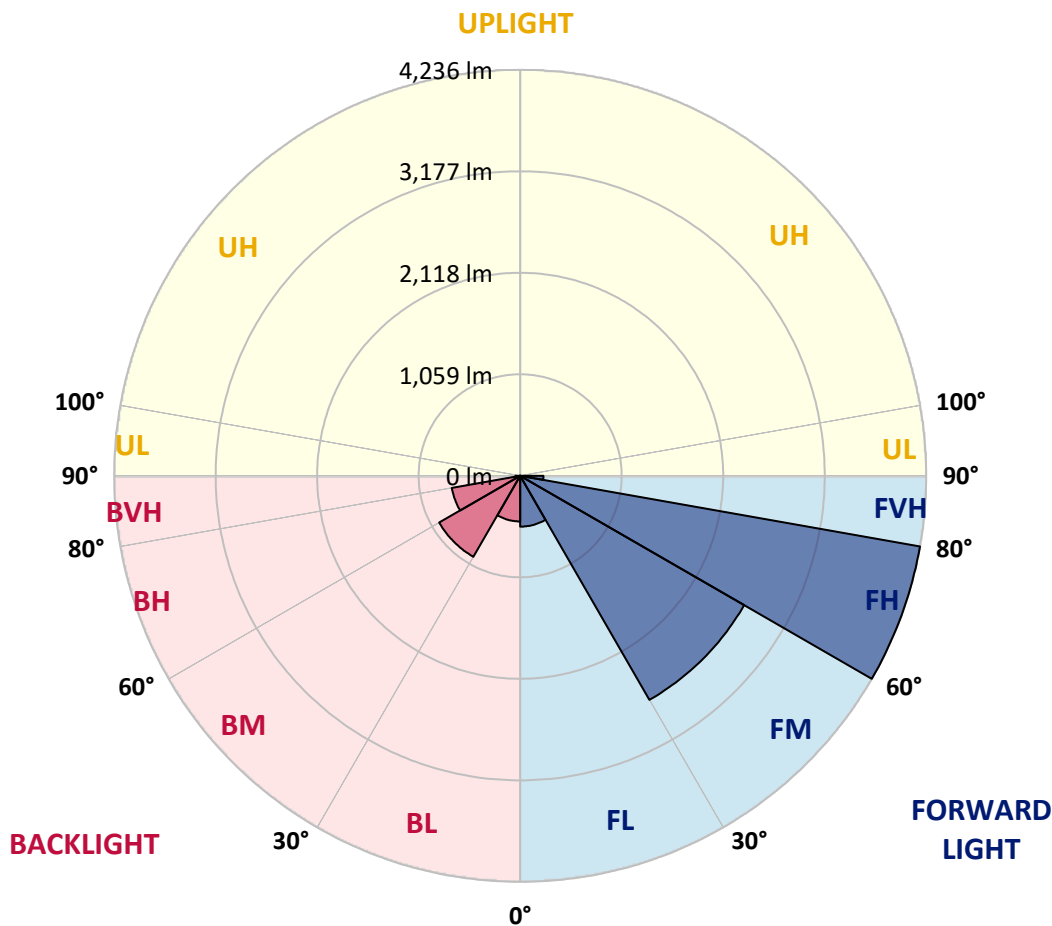


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.1	5.3			
FM (30°-60°)	2698.8	27.2			
FH (60°-80°)	4235.9	42.6			G2/5000
FVH (80°-90°)	242.8	2.4			G3/500
BL (0°-30°)	476.1	4.8	B1/500		
BM (30°-60°)	975.4	9.8	B1/1000		
BH (60°-80°)	723.8	7.3	B2/1000		G2/1000
BVH (80°-90°)	49.1	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3
2.5°	1146.6	1142.0	1137.5	1137.5	1130.6	1128.3	1126.1	1123.8	1110.1	1112.3	1103.2
5°	1183.2	1176.3	1171.7	1167.2	1153.5	1132.9	1126.1	1123.8	1100.9	1087.2	1080.4
7.5°	1235.7	1238.0	1212.8	1199.1	1185.4	1151.2	1144.3	1126.1	1100.9	1082.7	1071.2
10°	1290.5	1283.7	1263.1	1238.0	1210.6	1171.7	1160.3	1144.3	1123.8	1098.6	1084.9
12.5°	1329.3	1322.5	1297.4	1265.4	1226.6	1192.3	1185.4	1174.0	1142.0	1114.6	1100.9
15°	1352.2	1359.0	1329.3	1283.7	1240.3	1215.1	1201.4	1194.6	1167.2	1137.5	1112.3
17.5°	1377.3	1375.0	1356.7	1301.9	1263.1	1233.4	1226.6	1215.1	1180.9	1153.5	1128.3
20°	1388.7	1397.9	1381.9	1320.2	1274.5	1247.1	1249.4	1240.3	1208.3	1174.0	1146.6
22.5°	1395.6	1400.1	1393.3	1331.6	1288.2	1267.7	1265.4	1258.5	1226.6	1196.9	1164.9
25°	1393.3	1395.6	1407.0	1333.9	1301.9	1285.9	1285.9	1276.8	1251.7	1224.3	1192.3
27.5°	1395.6	1391.0	1407.0	1340.8	1320.2	1313.3	1311.1	1308.8	1295.1	1256.2	1222.0
30°	1386.4	1400.1	1404.7	1349.9	1347.6	1345.3	1347.6	1349.9	1333.9	1292.8	1256.2
32.5°	1388.7	1384.2	1407.0	1361.3	1363.6	1381.9	1388.7	1384.2	1359.0	1324.8	1290.5
35°	1427.6	1439.0	1443.5	1381.9	1379.6	1391.0	1407.0	1402.4	1395.6	1370.5	1349.9
37.5°	1630.8	1640.0	1614.8	1466.4	1425.3	1423.0	1443.5	1448.1	1452.7	1441.3	1436.7
40°	1948.3	1936.9	1932.3	1649.1	1505.2	1489.2	1507.5	1530.3	1537.2	1544.0	1555.5
42.5°	2293.2	2306.9	2309.2	1907.2	1692.5	1596.6	1605.7	1635.4	1674.2	1683.4	1733.6
45°	2603.9	2629.0	2679.2	2249.8	1948.3	1774.7	1742.8	1767.9	1834.1	1891.2	1973.5
47.5°	2823.1	2839.1	2919.1	2608.4	2270.4	1964.3	1941.5	1941.5	2035.1	2112.8	2252.1
50°	3042.4	3033.3	3065.2	2976.2	2715.8	2247.5	2181.3	2163.0	2286.4	2396.0	2553.6
52.5°	3209.1	3225.1	3275.4	3311.9	3097.2	2555.9	2437.1	2389.2	2546.8	2679.2	2898.5
55°	3327.9	3334.8	3449.0	3592.9	3462.7	2830.0	2699.8	2665.5	2852.8	3003.6	3293.7
57.5°	3487.8	3538.0	3668.2	3930.9	3908.1	3088.1	2953.3	2980.7	3168.0	3332.5	3739.0
60°	3782.4	3766.5	3917.2	4271.2	4145.6	3366.7	3279.9	3295.9	3485.5	3713.9	4287.2
62.5°	3910.4	3917.2	4127.3	4702.9	4474.5	3666.0	3634.0	3670.5	3851.0	4077.1	4979.3
65°	3729.9	3780.2	4248.4	4762.3	4801.1	4054.3	4031.4	4088.5	4216.4	4513.4	5552.6
67.5°	3245.7	3305.1	4065.7	4910.8	5073.0	4456.3	4447.1	4483.7	4565.9	4862.8	5938.6
70°	2996.7	3056.1	3563.2	4974.7	5292.2	4933.6	4922.2	4906.2	4961.0	5200.9	5988.9
72.5°	2565.0	2592.4	3051.5	4709.8	5490.9	5506.9	5548.0	5424.7	5333.3	5406.4	5395.0
75°	1509.8	1505.2	2140.2	3661.4	5353.9	6039.1	6178.5	5966.0	5525.2	5157.5	3901.2
77.5°	520.8	500.2	728.6	1669.7	3887.5	5842.7	6098.5	5785.6	5022.7	4079.4	2172.2
80°	146.2	157.6	235.3	557.3	1811.3	3604.3	4106.8	4335.2	3275.4	1715.3	648.7
82.5°	66.2	68.5	123.3	228.4	669.2	1767.9	1831.8	1553.2	1107.8	434.0	159.9
85°	18.3	18.3	38.8	82.2	228.4	408.9	447.7	392.9	228.4	146.2	54.8
87.5°	2.3	2.3	2.3	4.6	6.9	11.4	9.1	25.1	20.6	18.3	9.1
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°	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3	1112.3
2.5°	1105.5	1103.2	1098.6	1096.4	1094.1	1094.1	1094.1	1096.4	1091.8	1100.9	1100.9
5°	1078.1	1075.8	1069.0	1073.5	1073.5	1082.7	1087.2	1091.8	1098.6	1103.2	1105.5
7.5°	1066.7	1069.0	1066.7	1062.1	1066.7	1075.8	1094.1	1110.1	1116.9	1123.8	1126.1
10°	1080.4	1080.4	1073.5	1082.7	1084.9	1094.1	1107.8	1126.1	1146.6	1153.5	1153.5
12.5°	1089.5	1091.8	1087.2	1105.5	1110.1	1121.5	1130.6	1139.8	1158.0	1169.5	1171.7
15°	1100.9	1098.6	1105.5	1121.5	1130.6	1139.8	1146.6	1142.0	1160.3	1169.5	1169.5
17.5°	1116.9	1119.2	1128.3	1148.9	1153.5	1155.7	1153.5	1142.0	1155.7	1164.9	1169.5
20°	1132.9	1137.5	1151.2	1167.2	1167.2	1158.0	1148.9	1137.5	1144.3	1155.7	1164.9
22.5°	1153.5	1160.3	1169.5	1180.9	1169.5	1148.9	1137.5	1126.1	1132.9	1151.2	1158.0
25°	1171.7	1178.6	1178.6	1174.0	1144.3	1126.1	1121.5	1121.5	1123.8	1144.3	1146.6
27.5°	1203.7	1203.7	1187.7	1155.7	1103.2	1073.5	1084.9	1094.1	1114.6	1130.6	1135.2
30°	1238.0	1228.8	1196.9	1126.1	1043.8	1014.1	1027.8	1053.0	1080.4	1103.2	1116.9
32.5°	1281.4	1274.5	1210.6	1091.8	979.9	941.0	954.7	991.3	1030.1	1057.5	1062.1
35°	1345.3	1329.3	1224.3	1046.1	897.6	861.1	868.0	909.1	950.2	979.9	995.9
37.5°	1427.6	1411.6	1235.7	986.7	813.1	774.3	772.0	810.9	842.8	870.2	881.7
40°	1569.2	1530.3	1247.1	911.4	730.9	685.2	685.2	698.9	710.4	728.6	737.8
42.5°	1749.6	1681.1	1265.4	824.6	651.0	609.9	593.9	600.7	587.0	571.0	573.3
45°	1994.0	1875.2	1301.9	735.5	577.9	541.3	527.6	509.4	481.9	452.2	454.5
47.5°	2279.5	2085.4	1327.1	655.5	513.9	486.5	472.8	450.0	411.1	379.2	376.9
50°	2608.4	2316.1	1359.0	584.7	456.8	450.0	440.8	406.6	363.2	333.5	328.9
52.5°	2953.3	2539.9	1391.0	532.2	418.0	429.4	413.4	376.9	328.9	299.2	296.9
55°	3343.9	2825.4	1455.0	477.4	388.3	406.6	395.1	354.0	306.1	285.5	283.2
57.5°	3803.0	3126.9	1553.2	434.0	363.2	376.9	374.6	338.0	306.1	292.4	292.4
60°	4284.9	3515.2	1601.1	402.0	338.0	354.0	372.3	344.9	322.1	310.6	308.4
62.5°	4757.8	3882.9	1457.2	374.6	319.8	347.2	383.7	374.6	340.3	338.0	335.8
65°	5111.8	4157.0	1103.2	347.2	306.1	360.9	434.0	404.3	354.0	349.5	347.2
67.5°	5285.4	4296.4	737.8	326.6	294.6	376.9	479.7	418.0	347.2	335.8	324.3
70°	5070.7	4079.4	491.1	301.5	276.4	370.0	509.4	420.3	333.5	317.5	301.5
72.5°	4330.6	3519.8	374.6	278.7	258.1	356.3	516.2	408.9	319.8	287.8	276.4
75°	3067.5	2428.0	301.5	251.2	228.4	338.0	511.6	390.6	296.9	262.7	253.5
77.5°	1562.3	1089.5	235.3	217.0	194.1	317.5	491.1	319.8	223.8	194.1	189.6
80°	434.0	324.3	182.7	171.3	150.7	262.7	376.9	255.8	180.4	159.9	150.7
82.5°	150.7	137.0	125.6	109.6	107.4	212.4	324.3	207.9	132.5	98.2	95.9
85°	54.8	52.5	59.4	59.4	61.7	109.6	169.0	93.6	57.1	41.1	38.8
87.5°	6.9	6.9	9.1	6.9	9.1	2.3	2.3	2.3	2.3	2.3	2.3
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)