

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: P511048

Luminaire Tested: **PRV-P-C25-D-UNV-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)
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-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1650mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11538 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

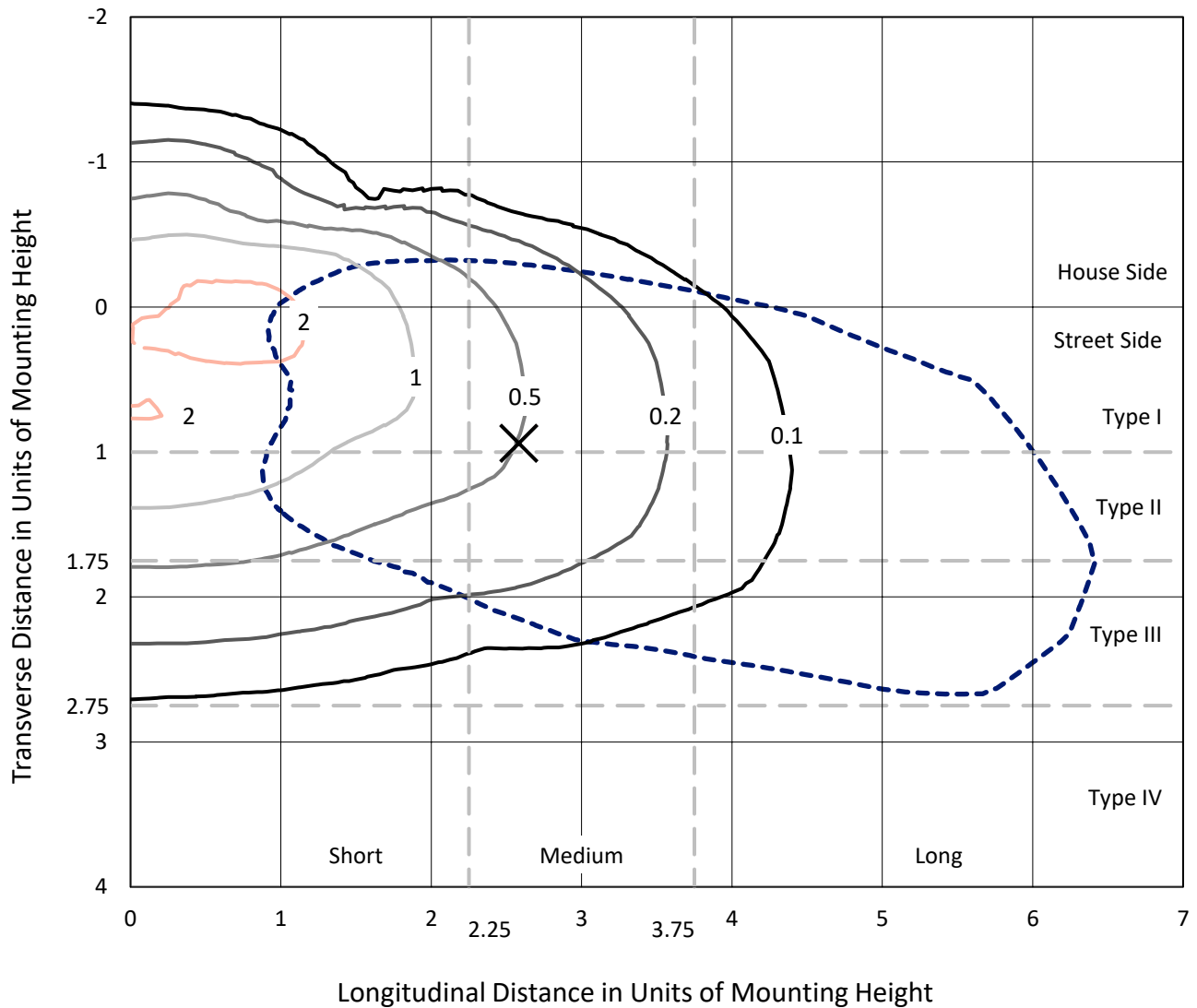
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

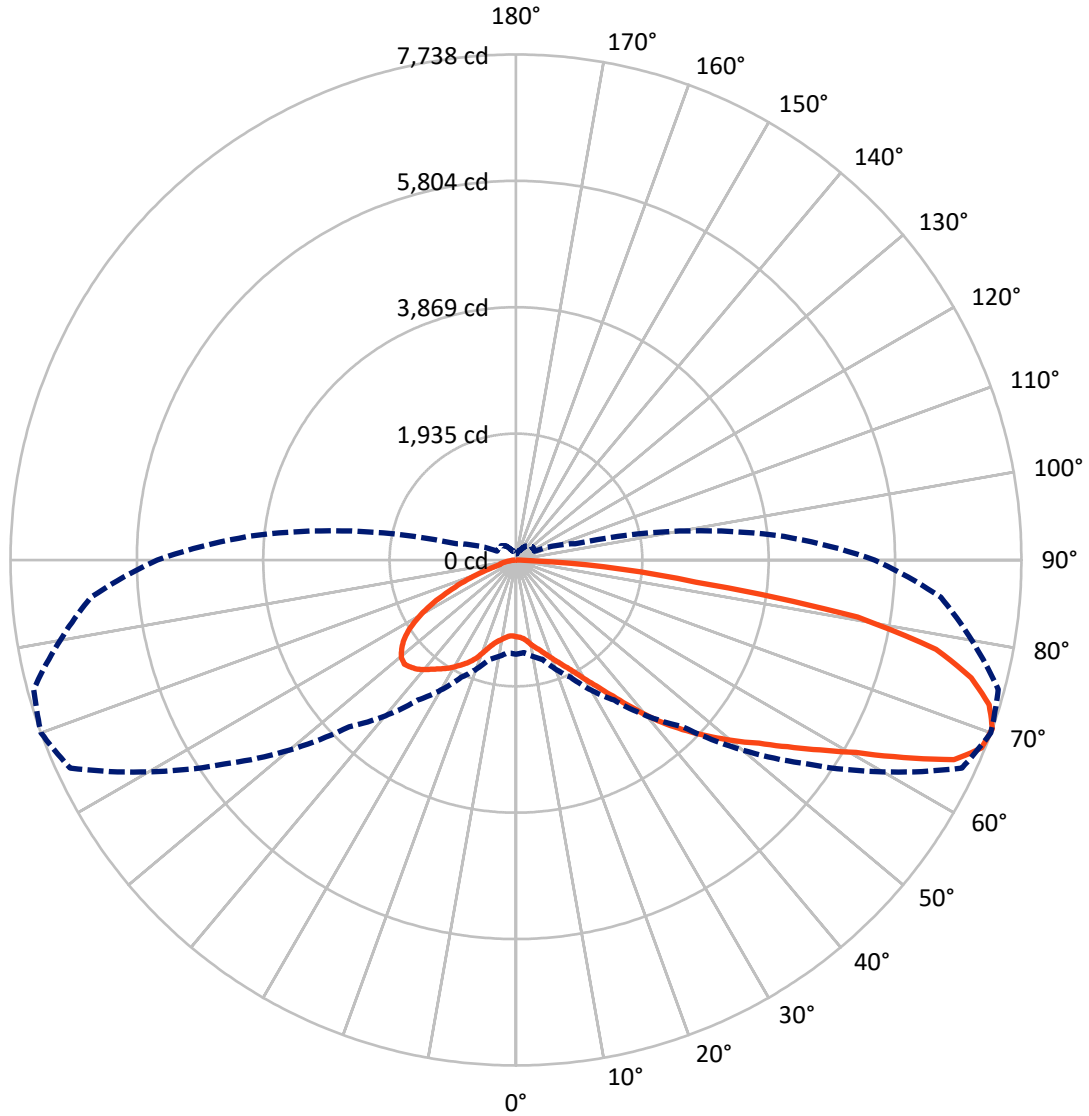
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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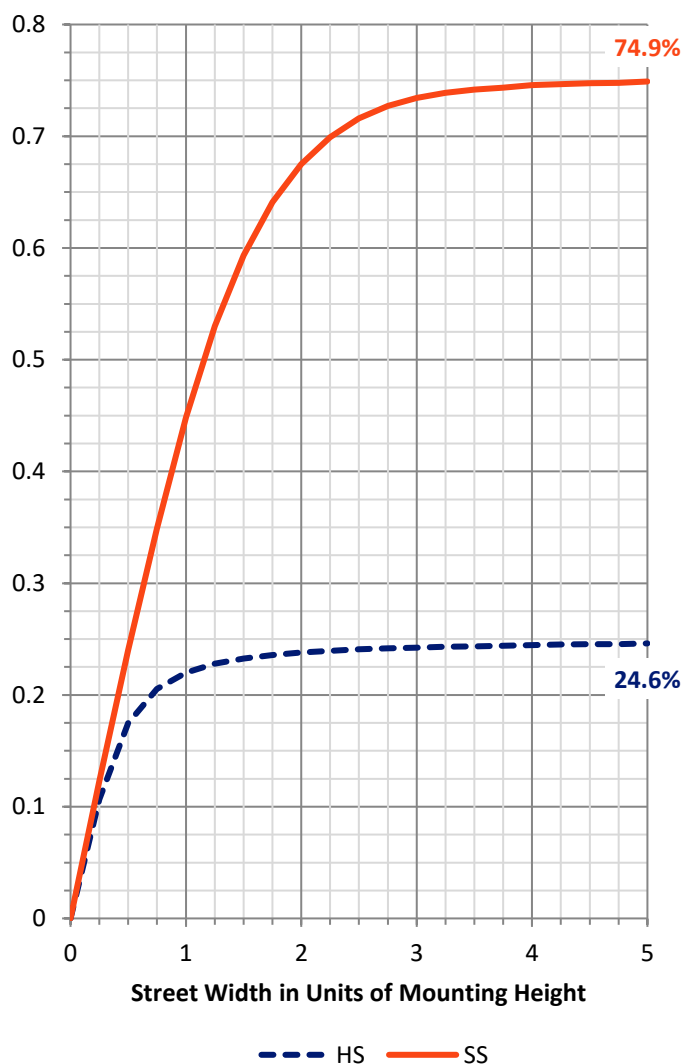
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2878.5	0.0	2878.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8659.5	0.0	8659.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	11538.0	0.0	11538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	1.0
10°-20°	377.3	3.3
20°-30°	708.8	6.1
30°-40°	1185.8	10.3
40°-50°	1810.9	15.7
50°-60°	2390.2	20.7
60°-70°	2704.5	23.4
70°-80°	1901.4	16.5
80°-90°	343.8	3.0
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°	11538.0	100.0
0°-180°	11538.0	100.0

Coefficient of Utilization

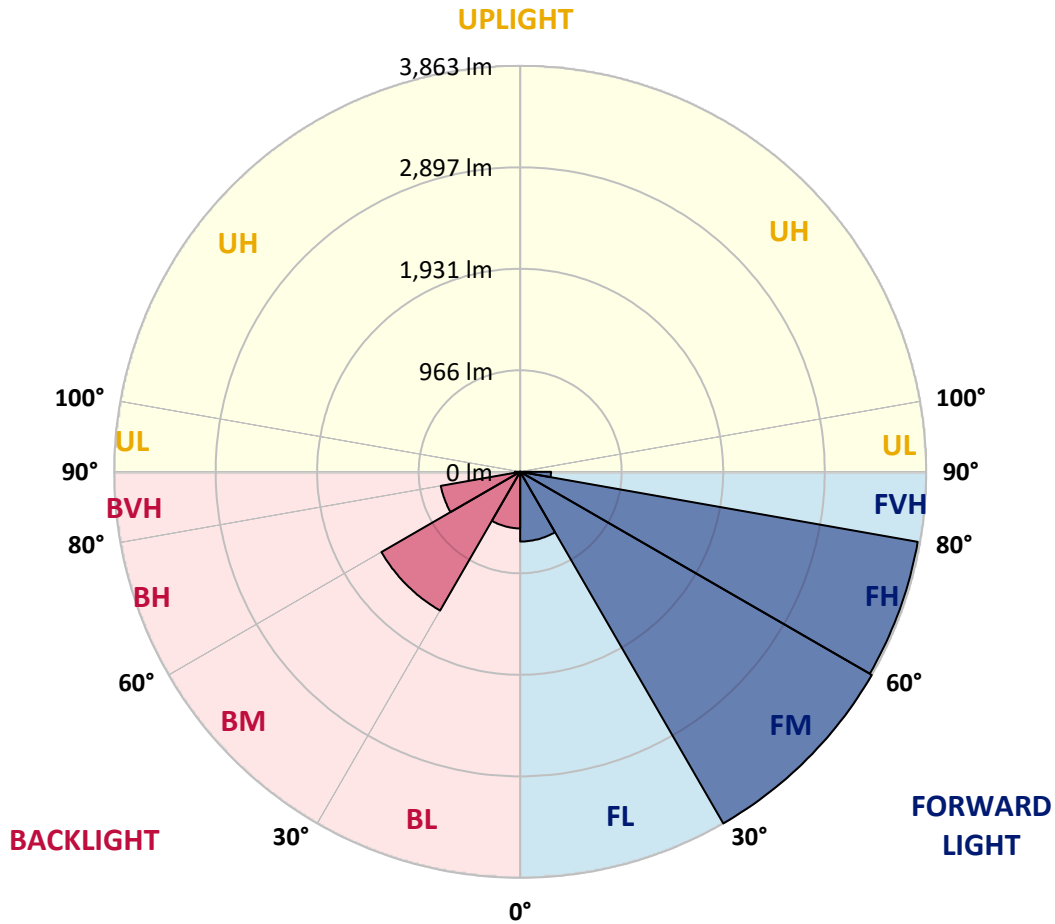


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.2	5.7			
FM (30°-60°)	3862.7	33.5			
FH (60°-80°)	3840.3	33.3			G2/5000
FVH (80°-90°)	293.3	2.5			G3/500
BL (0°-30°)	538.1	4.7	B2/1000		
BM (30°-60°)	1524.3	13.2	B2/2500		
BH (60°-80°)	765.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	50.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1
2.5°	1201.6	1208.9	1206.5	1208.9	1208.9	1199.2	1194.4	1184.7	1184.7	1184.7	1179.9
5°	1249.9	1254.7	1247.5	1249.9	1249.9	1240.2	1228.2	1213.7	1208.9	1199.2	1192.0
7.5°	1281.3	1290.9	1293.3	1295.7	1295.7	1293.3	1283.7	1266.8	1254.7	1247.5	1230.6
10°	1329.5	1329.5	1336.8	1344.0	1358.5	1358.5	1344.0	1331.9	1324.7	1312.6	1283.7
12.5°	1353.7	1358.5	1365.7	1377.8	1394.7	1409.2	1401.9	1392.3	1382.6	1373.0	1339.2
15°	1370.5	1370.5	1382.6	1406.7	1433.3	1445.3	1450.2	1450.2	1445.3	1435.7	1399.5
17.5°	1399.5	1399.5	1414.0	1440.5	1462.2	1486.4	1512.9	1522.6	1527.4	1512.9	1481.5
20°	1450.2	1455.0	1462.2	1479.1	1498.4	1537.0	1585.3	1614.3	1616.7	1607.0	1580.5
22.5°	1500.8	1498.4	1503.3	1525.0	1556.3	1604.6	1664.9	1710.8	1715.6	1715.6	1693.9
25°	1570.8	1563.6	1561.2	1580.5	1621.5	1679.4	1749.4	1807.3	1826.6	1831.4	1853.1
27.5°	1640.8	1650.4	1640.8	1657.7	1691.5	1761.4	1853.1	1937.6	1964.1	1976.2	2070.3
30°	1826.6	1836.2	1800.0	1759.0	1780.7	1860.4	1969.0	2096.8	2133.0	2181.3	2330.9
32.5°	2082.4	2079.9	2079.9	1981.0	1896.6	1978.6	2092.0	2248.9	2326.1	2444.3	2622.9
35°	2314.0	2314.0	2306.8	2232.0	2125.8	2092.0	2232.0	2429.8	2560.1	2791.8	2926.9
37.5°	2516.7	2523.9	2533.6	2451.5	2386.4	2297.1	2388.8	2637.3	2842.4	3134.4	3257.5
40°	2695.2	2695.2	2731.4	2675.9	2630.1	2548.1	2555.3	2859.3	3163.4	3474.6	3563.9
42.5°	2835.2	2852.1	2902.8	2859.3	2869.0	2823.1	2760.4	3052.4	3462.6	3769.0	3851.0
45°	2948.6	2958.3	3004.1	3028.2	3093.4	3100.6	3033.1	3284.0	3756.9	4061.0	4111.6
47.5°	3030.6	3033.1	3074.1	3163.4	3293.7	3337.1	3310.5	3520.5	4048.9	4350.5	4360.2
50°	3069.2	3076.5	3160.9	3291.2	3491.5	3590.4	3638.7	3831.7	4355.3	4618.3	4618.3
52.5°	3103.0	3122.3	3230.9	3392.6	3662.8	3829.3	3906.5	4237.1	4659.4	4891.0	4881.4
55°	3124.7	3151.3	3257.5	3455.3	3781.1	4039.2	4162.3	4661.8	5047.9	5209.5	5134.7
57.5°	2989.6	3023.4	3211.6	3460.1	3860.7	4193.7	4442.2	5091.3	5484.6	5571.5	5390.5
60°	2765.2	2794.2	3008.9	3402.2	3843.8	4331.2	4748.6	5588.3	5981.7	6013.0	5663.1
62.5°	2533.6	2564.9	2767.6	3221.3	3730.4	4350.5	5031.0	6273.6	6657.3	6570.4	5967.2
65°	2244.0	2260.9	2470.8	2893.1	3506.0	4273.3	5250.5	6898.6	7371.5	7270.2	6266.4
67.5°	1899.0	1911.0	2096.8	2492.6	3112.7	4039.2	5409.8	7373.9	7685.2	7562.1	6502.8
70°	1442.9	1423.6	1575.6	1981.0	2618.0	3609.7	5446.0	7533.2	7738.3	7644.2	6529.4
72.5°	784.2	784.2	986.9	1315.0	1896.6	2910.0	5308.4	7456.0	7576.6	7456.0	6285.7
75°	142.4	154.4	234.1	458.5	943.5	1949.6	4637.7	7012.0	7197.8	7014.4	5795.9
77.5°	89.3	91.7	120.6	181.0	292.0	728.7	3033.1	6309.8	6577.6	6401.5	5021.3
80°	65.1	65.1	86.9	130.3	207.5	287.1	1138.9	4883.8	5303.6	5255.4	3778.6
82.5°	45.8	48.3	62.7	94.1	142.4	200.3	335.4	2275.4	2772.5	2840.0	1814.5
85°	29.0	31.4	43.4	62.7	94.1	118.2	135.1	955.5	1356.1	1406.7	784.2
87.5°	14.5	16.9	26.5	41.0	57.9	70.0	65.1	60.3	62.7	70.0	36.2
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°	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1
2.5°	1175.1	1172.7	1167.9	1163.0	1158.2	1151.0	1143.7	1134.1	1131.7	1126.8	1124.4
5°	1187.2	1179.9	1170.3	1160.6	1148.6	1134.1	1122.0	1112.4	1107.5	1105.1	1107.5
7.5°	1223.4	1211.3	1196.8	1182.3	1160.6	1141.3	1122.0	1109.9	1097.9	1093.1	1093.1
10°	1274.0	1259.5	1237.8	1211.3	1182.3	1158.2	1134.1	1112.4	1095.5	1088.2	1088.2
12.5°	1327.1	1310.2	1283.7	1247.5	1213.7	1177.5	1148.6	1117.2	1093.1	1078.6	1078.6
15°	1387.4	1370.5	1331.9	1298.2	1262.0	1220.9	1175.1	1126.8	1088.2	1061.7	1059.3
17.5°	1462.2	1447.8	1411.6	1380.2	1334.4	1276.4	1204.1	1124.4	1061.7	1020.7	1018.3
20°	1570.8	1553.9	1522.6	1481.5	1409.2	1317.5	1211.3	1109.9	1025.5	970.0	967.6
22.5°	1696.3	1708.4	1672.2	1570.8	1459.8	1341.6	1213.7	1085.8	972.4	909.7	904.8
25°	1879.7	1894.2	1790.4	1640.8	1496.0	1334.4	1189.6	1042.4	900.0	832.5	827.6
27.5°	2096.8	2055.8	1896.6	1696.3	1498.4	1317.5	1151.0	957.9	820.4	745.6	735.9
30°	2326.1	2260.9	2012.4	1734.9	1476.7	1281.3	1059.3	861.4	760.1	694.9	682.9
32.5°	2574.6	2482.9	2137.9	1766.3	1445.3	1208.9	957.9	825.2	731.1	653.9	646.7
35°	2871.4	2719.4	2265.7	1775.9	1394.7	1109.9	873.5	803.5	707.0	622.5	610.5
37.5°	3156.1	2967.9	2410.5	1773.5	1324.7	977.2	832.5	762.5	673.2	608.1	603.2
40°	3448.1	3223.7	2579.4	1768.7	1235.4	859.0	786.6	716.6	641.8	593.6	586.3
42.5°	3715.9	3457.7	2750.7	1751.8	1100.3	803.5	740.8	682.9	617.7	547.7	535.7
45°	3952.4	3677.3	2878.6	1720.4	955.5	748.0	687.7	639.4	583.9	509.1	497.1
47.5°	4184.0	3872.8	3016.2	1655.3	813.2	697.3	632.2	591.2	535.7	468.1	453.6
50°	4389.1	4046.5	3093.4	1517.7	721.5	644.3	569.5	528.4	463.3	398.1	393.3
52.5°	4606.3	4292.6	3165.8	1278.9	624.9	581.5	506.7	453.6	398.1	364.4	352.3
55°	4830.7	4543.5	3235.7	982.1	542.9	528.4	439.2	376.4	318.5	301.6	308.9
57.5°	5050.3	4731.8	3206.8	690.1	492.2	460.9	369.2	304.0	258.2	260.6	275.1
60°	5291.6	4878.9	3004.1	470.5	446.4	376.4	308.9	260.6	226.8	214.8	212.3
62.5°	5513.5	4968.2	2569.8	400.5	395.7	330.6	279.9	236.5	209.9	185.8	178.6
65°	5682.5	4929.6	2017.2	364.4	357.1	316.1	267.8	224.4	195.4	159.3	152.0
67.5°	5699.3	4657.0	1486.4	333.0	333.0	316.1	267.8	212.3	142.4	123.1	123.1
70°	5491.8	4121.3	970.0	318.5	320.9	311.3	258.2	171.3	132.7	94.1	89.3
72.5°	5103.3	3527.7	480.2	289.6	311.3	275.1	234.1	176.1	125.5	86.9	82.0
75°	4451.9	2767.6	248.5	265.4	258.2	241.3	234.1	178.6	118.2	70.0	62.7
77.5°	3624.2	1664.9	207.5	238.9	207.5	224.4	209.9	168.9	111.0	67.6	62.7
80°	1997.9	653.9	166.5	161.7	171.3	178.6	193.0	161.7	120.6	77.2	72.4
82.5°	805.9	144.8	91.7	108.6	118.2	149.6	173.7	156.8	115.8	77.2	74.8
85°	209.9	43.4	41.0	57.9	86.9	123.1	147.2	120.6	84.5	67.6	65.1
87.5°	14.5	14.5	19.3	29.0	29.0	14.5	2.4	2.4	2.4	2.4	4.8
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)