

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: P511042

Luminaire Tested: **PRV-P-C25-D-UNV-T3-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511042
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-T3-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1650mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11329 lumens
Efficiency: N/A
Efficacy: 120.4 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

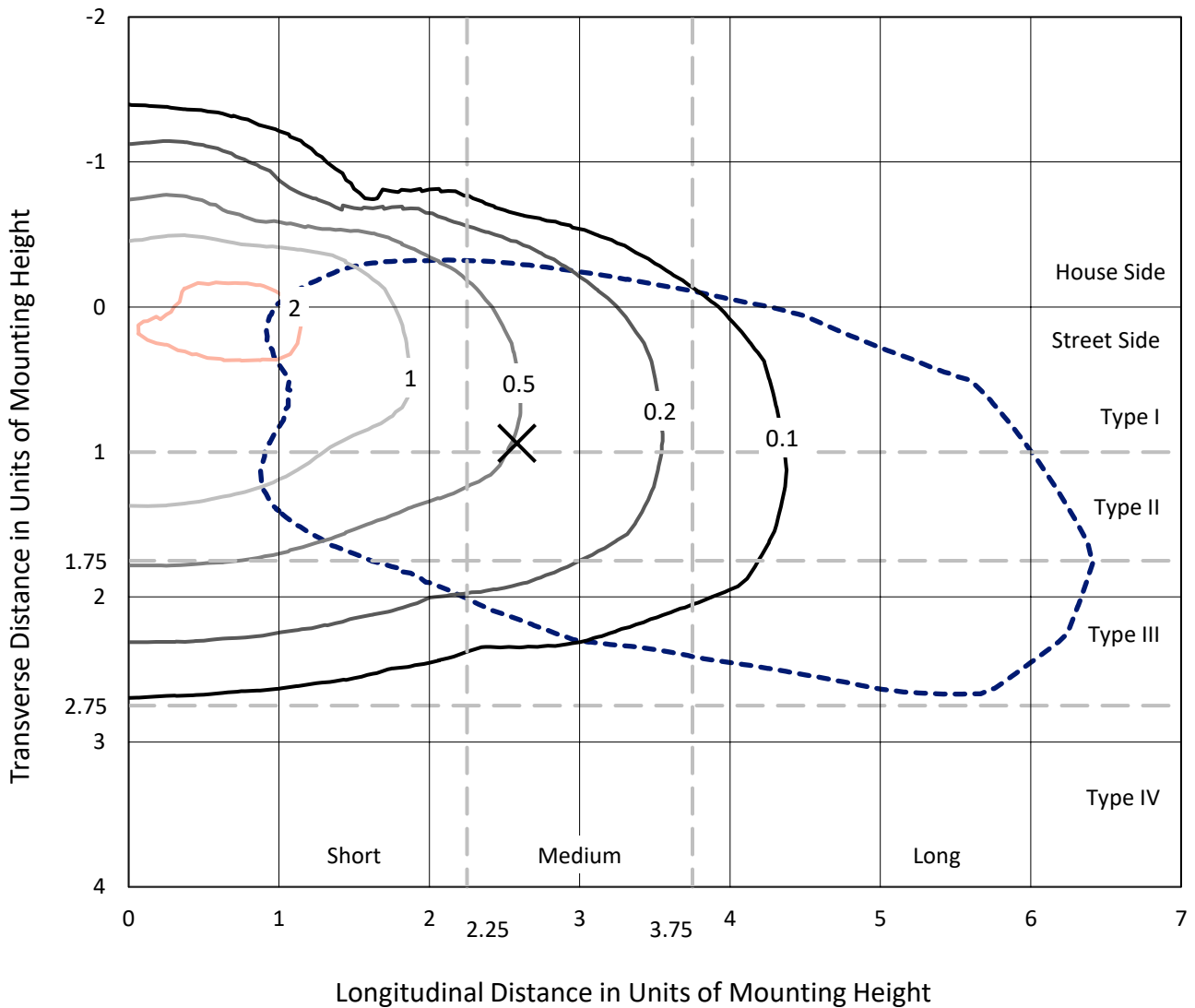
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

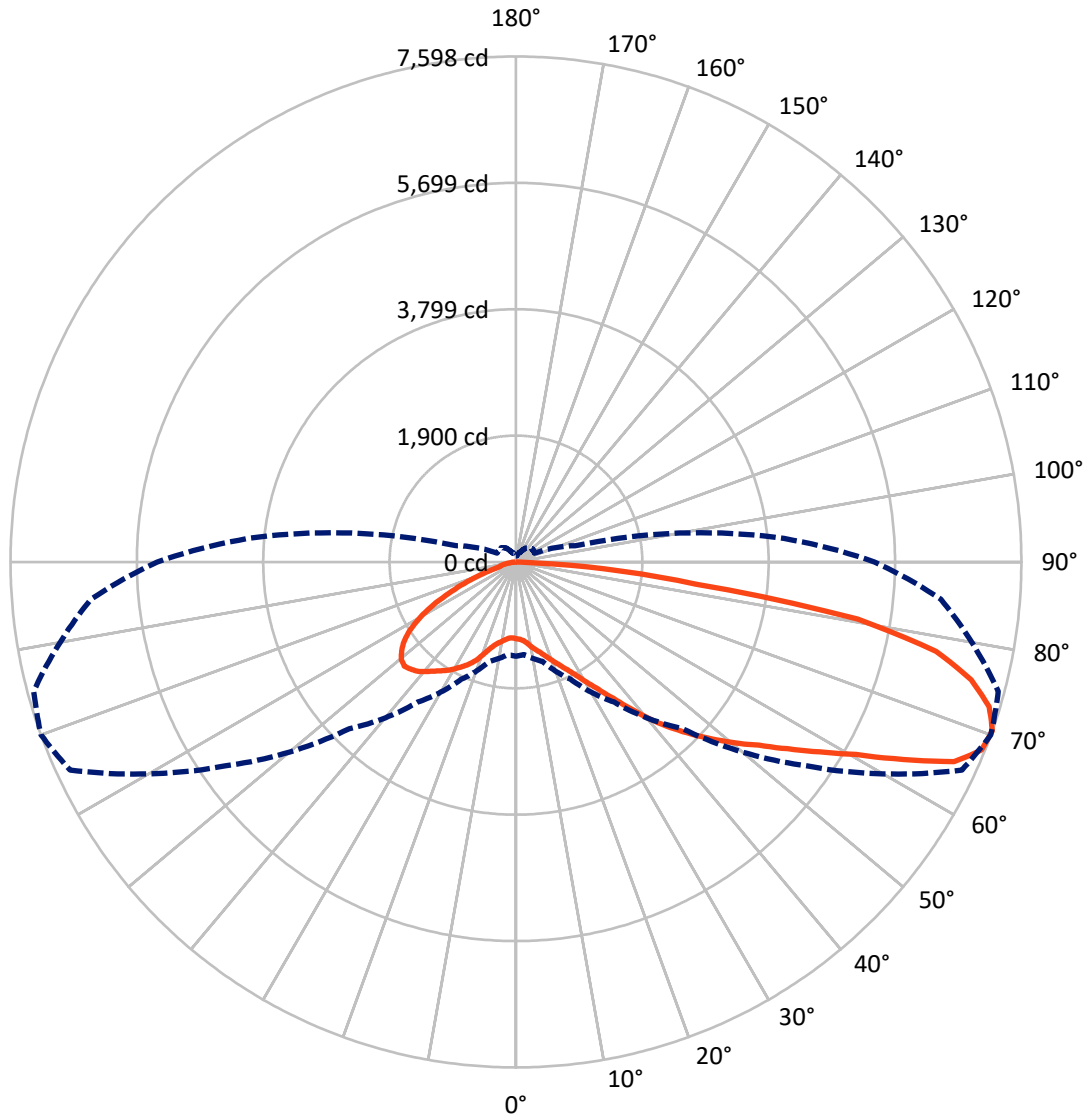
✕ Max cd
 - - - 1/2 Max cd



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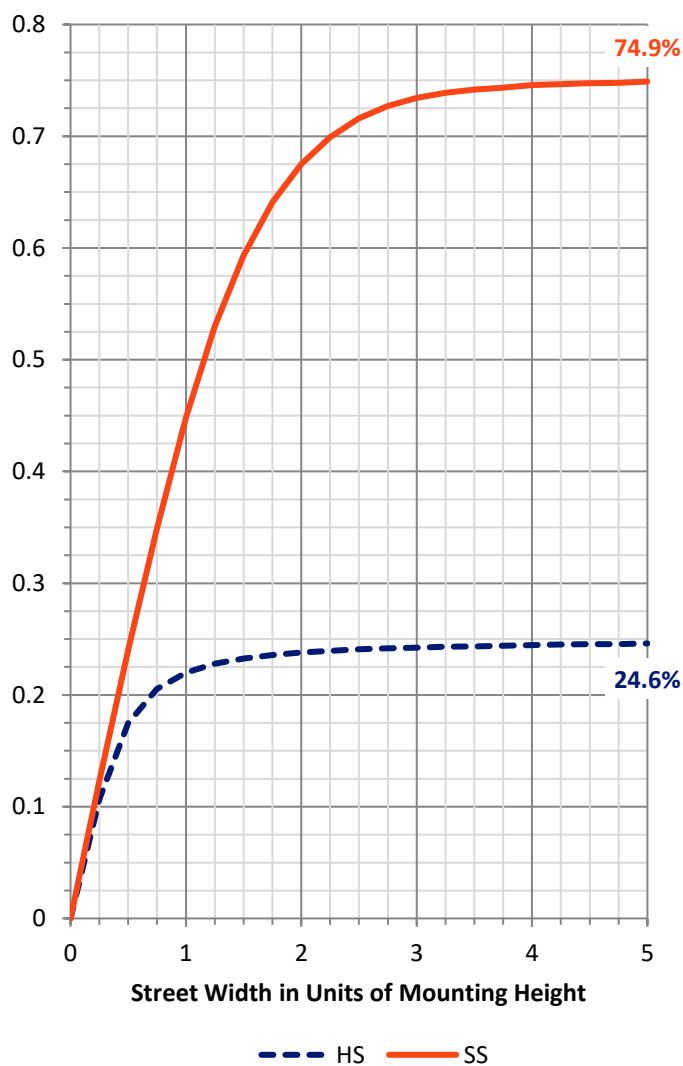
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2826.4	0.0	2826.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8502.6	0.0	8502.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	11329.0	0.0	11329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	1.0
10°-20°	370.5	3.3
20°-30°	696.0	6.1
30°-40°	1164.4	10.3
40°-50°	1778.1	15.7
50°-60°	2346.9	20.7
60°-70°	2655.5	23.4
70°-80°	1867.0	16.5
80°-90°	337.5	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°	11329.0	100.0
0°-180°	11329.0	100.0

Coefficient of Utilization

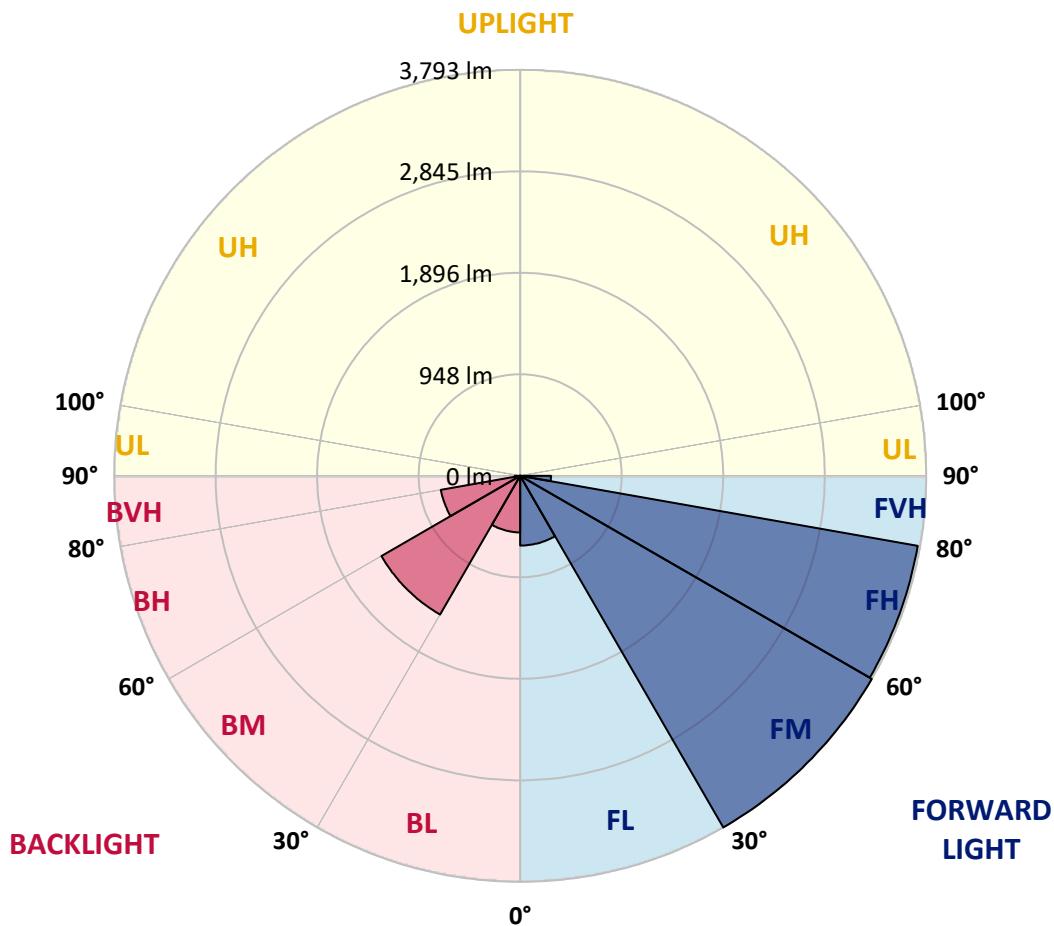


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.2	5.7			
FM (30°-60°)	3792.7	33.5			
FH (60°-80°)	3770.8	33.3			G2/5000
FVH (80°-90°)	288.0	2.5			G3/500
BL (0°-30°)	528.4	4.7	B2/1000		
BM (30°-60°)	1496.7	13.2	B2/2500		
BH (60°-80°)	751.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	49.5	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°	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8
2.5°	1179.9	1187.0	1184.6	1187.0	1187.0	1177.5	1172.8	1163.3	1163.3	1163.3	1158.5
5°	1227.3	1232.0	1224.9	1227.3	1227.3	1217.8	1205.9	1191.7	1187.0	1177.5	1170.4
7.5°	1258.1	1267.5	1269.9	1272.3	1272.3	1269.9	1260.4	1243.8	1232.0	1224.9	1208.3
10°	1305.4	1305.4	1312.5	1319.7	1333.9	1333.9	1319.7	1307.8	1300.7	1288.9	1260.4
12.5°	1329.1	1333.9	1341.0	1352.8	1369.4	1383.6	1376.5	1367.0	1357.6	1348.1	1314.9
15°	1345.7	1345.7	1357.6	1381.3	1407.3	1419.2	1423.9	1423.9	1419.2	1409.7	1374.1
17.5°	1374.1	1374.1	1388.4	1414.4	1435.7	1459.4	1485.5	1495.0	1499.7	1485.5	1454.7
20°	1423.9	1428.6	1435.7	1452.3	1471.3	1509.2	1556.6	1585.0	1587.4	1577.9	1551.8
22.5°	1473.7	1471.3	1476.0	1497.3	1528.1	1575.5	1634.8	1679.8	1684.5	1684.5	1663.2
25°	1542.4	1535.3	1532.9	1551.8	1592.1	1649.0	1717.7	1774.5	1793.5	1798.2	1819.6
27.5°	1611.1	1620.5	1611.1	1627.7	1660.8	1729.5	1819.6	1902.5	1928.5	1940.4	2032.8
30°	1793.5	1803.0	1767.4	1727.2	1748.5	1826.7	1933.3	2058.9	2094.4	2141.8	2288.7
32.5°	2044.6	2042.3	2042.3	1945.1	1862.2	1942.8	2054.1	2208.1	2283.9	2400.0	2575.3
35°	2272.1	2272.1	2265.0	2191.5	2087.3	2054.1	2191.5	2385.8	2513.7	2741.2	2873.9
37.5°	2471.1	2478.2	2487.7	2407.1	2343.2	2255.5	2345.5	2589.6	2790.9	3077.6	3198.5
40°	2646.4	2646.4	2682.0	2627.5	2582.5	2501.9	2509.0	2807.5	3106.1	3411.7	3499.3
42.5°	2783.8	2800.4	2850.2	2807.5	2817.0	2772.0	2710.4	2997.1	3399.8	3700.7	3781.3
45°	2895.2	2904.7	2949.7	2973.4	3037.3	3044.5	2978.1	3224.5	3688.9	3987.4	4037.2
47.5°	2975.7	2978.1	3018.4	3106.1	3234.0	3276.6	3250.6	3456.7	3975.6	4271.7	4281.2
50°	3013.7	3020.8	3103.7	3231.6	3428.3	3525.4	3572.8	3762.3	4276.4	4534.7	4534.7
52.5°	3046.8	3065.8	3172.4	3331.1	3596.5	3760.0	3835.8	4160.4	4575.0	4802.4	4792.9
55°	3068.1	3094.2	3198.5	3392.7	3712.6	3966.1	4086.9	4577.3	4956.4	5115.2	5041.7
57.5°	2935.5	2968.6	3153.4	3397.5	3790.8	4117.7	4361.7	4999.1	5385.2	5470.5	5292.8
60°	2715.1	2743.6	2954.4	3340.6	3774.2	4252.8	4662.6	5487.1	5873.3	5904.1	5560.6
62.5°	2487.7	2518.5	2717.5	3162.9	3662.8	4271.7	4939.8	6160.0	6536.7	6451.4	5859.1
65°	2203.4	2220.0	2426.1	2840.7	3442.5	4195.9	5155.4	6773.6	7238.0	7138.5	6152.9
67.5°	1864.6	1876.4	2058.9	2447.4	3056.3	3966.1	5311.8	7240.3	7546.0	7425.1	6385.1
70°	1416.8	1397.8	1547.1	1945.1	2570.6	3544.4	5347.3	7396.7	7598.1	7505.7	6411.1
72.5°	770.0	770.0	969.0	1291.2	1862.2	2857.3	5212.3	7320.9	7439.4	7320.9	6171.8
75°	139.8	151.6	229.8	450.2	926.4	1914.3	4553.6	6885.0	7067.4	6887.3	5690.9
77.5°	87.7	90.0	118.5	177.7	286.7	715.5	2978.1	6195.5	6458.5	6285.5	4930.4
80°	64.0	64.0	85.3	127.9	203.8	281.9	1118.3	4795.3	5207.6	5160.2	3710.2
82.5°	45.0	47.4	61.6	92.4	139.8	196.6	329.3	2234.2	2722.2	2788.6	1781.7
85°	28.4	30.8	42.6	61.6	92.4	116.1	132.7	938.2	1331.5	1381.3	770.0
87.5°	14.2	16.6	26.1	40.3	56.9	68.7	64.0	59.2	61.6	68.7	35.5
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°	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8	1153.8
2.5°	1153.8	1151.4	1146.7	1142.0	1137.2	1130.1	1123.0	1113.5	1111.2	1106.4	1104.1
5°	1165.7	1158.5	1149.1	1139.6	1127.7	1113.5	1101.7	1092.2	1087.5	1085.1	1087.5
7.5°	1201.2	1189.3	1175.1	1160.9	1139.6	1120.6	1101.7	1089.8	1078.0	1073.3	1073.3
10°	1250.9	1236.7	1215.4	1189.3	1160.9	1137.2	1113.5	1092.2	1075.6	1068.5	1068.5
12.5°	1303.1	1286.5	1260.4	1224.9	1191.7	1156.2	1127.7	1097.0	1073.3	1059.0	1059.0
15°	1362.3	1345.7	1307.8	1274.6	1239.1	1198.8	1153.8	1106.4	1068.5	1042.5	1040.1
17.5°	1435.7	1421.5	1386.0	1355.2	1310.2	1253.3	1182.2	1104.1	1042.5	1002.2	999.8
20°	1542.4	1525.8	1495.0	1454.7	1383.6	1293.6	1189.3	1089.8	1006.9	952.4	950.1
22.5°	1665.6	1677.4	1641.9	1542.4	1433.4	1317.3	1191.7	1066.2	954.8	893.2	888.5
25°	1845.6	1859.8	1758.0	1611.1	1468.9	1310.2	1168.0	1023.5	883.7	817.4	812.6
27.5°	2058.9	2018.6	1862.2	1665.6	1471.3	1293.6	1130.1	940.6	805.5	732.1	722.6
30°	2283.9	2220.0	1975.9	1703.5	1450.0	1258.1	1040.1	845.8	746.3	682.3	670.5
32.5°	2528.0	2437.9	2099.1	1734.3	1419.2	1187.0	940.6	810.3	717.9	642.1	635.0
35°	2819.4	2670.1	2224.7	1743.7	1369.4	1089.8	857.7	789.0	694.2	611.3	599.4
37.5°	3098.9	2914.1	2366.9	1741.4	1300.7	959.5	817.4	748.7	661.0	597.0	592.3
40°	3385.6	3165.3	2532.7	1736.6	1213.0	843.4	772.4	703.7	630.2	582.8	575.7
42.5°	3648.6	3395.1	2700.9	1720.1	1080.4	789.0	727.4	670.5	606.5	537.8	526.0
45°	3880.8	3610.7	2826.5	1689.3	938.2	734.5	675.2	627.8	573.4	499.9	488.1
47.5°	4108.2	3802.6	2961.5	1625.3	798.4	684.7	620.7	580.5	526.0	459.6	445.4
50°	4309.6	3973.2	3037.3	1490.2	708.4	632.6	559.1	518.9	454.9	390.9	386.2
52.5°	4522.8	4214.8	3108.4	1255.7	613.6	571.0	497.5	445.4	390.9	357.8	345.9
55°	4743.2	4461.2	3177.1	964.3	533.1	518.9	431.2	369.6	312.7	296.2	303.3
57.5°	4958.8	4646.0	3148.7	677.6	483.3	452.5	362.5	298.5	253.5	255.9	270.1
60°	5195.7	4790.6	2949.7	462.0	438.3	369.6	303.3	255.9	222.7	210.9	208.5
62.5°	5413.7	4878.2	2523.2	393.3	388.6	324.6	274.8	232.2	206.1	182.4	175.3
65°	5579.5	4840.3	1980.7	357.8	350.6	310.4	263.0	220.3	191.9	156.4	149.3
67.5°	5596.1	4572.6	1459.4	327.0	327.0	310.4	263.0	208.5	139.8	120.8	120.8
70°	5392.4	4046.6	952.4	312.7	315.1	305.6	253.5	168.2	130.3	92.4	87.7
72.5°	5010.9	3463.8	471.5	284.3	305.6	270.1	229.8	173.0	123.2	85.3	80.6
75°	4371.2	2717.5	244.0	260.6	253.5	236.9	229.8	175.3	116.1	68.7	61.6
77.5°	3558.6	1634.8	203.8	234.6	203.8	220.3	206.1	165.8	109.0	66.3	61.6
80°	1961.7	642.1	163.5	158.7	168.2	175.3	189.5	158.7	118.5	75.8	71.1
82.5°	791.3	142.2	90.0	106.6	116.1	146.9	170.6	154.0	113.7	75.8	73.4
85°	206.1	42.6	40.3	56.9	85.3	120.8	144.5	118.5	82.9	66.3	64.0
87.5°	14.2	14.2	19.0	28.4	28.4	14.2	2.4	2.4	2.4	2.4	4.7
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)