

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: P510994

Luminaire Tested: **PRV-P-C20-D-UNV-T3-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510994
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-C20-D-UNV-T3-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1300mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9383 lumens
Efficiency: N/A
Efficacy: 128.9 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

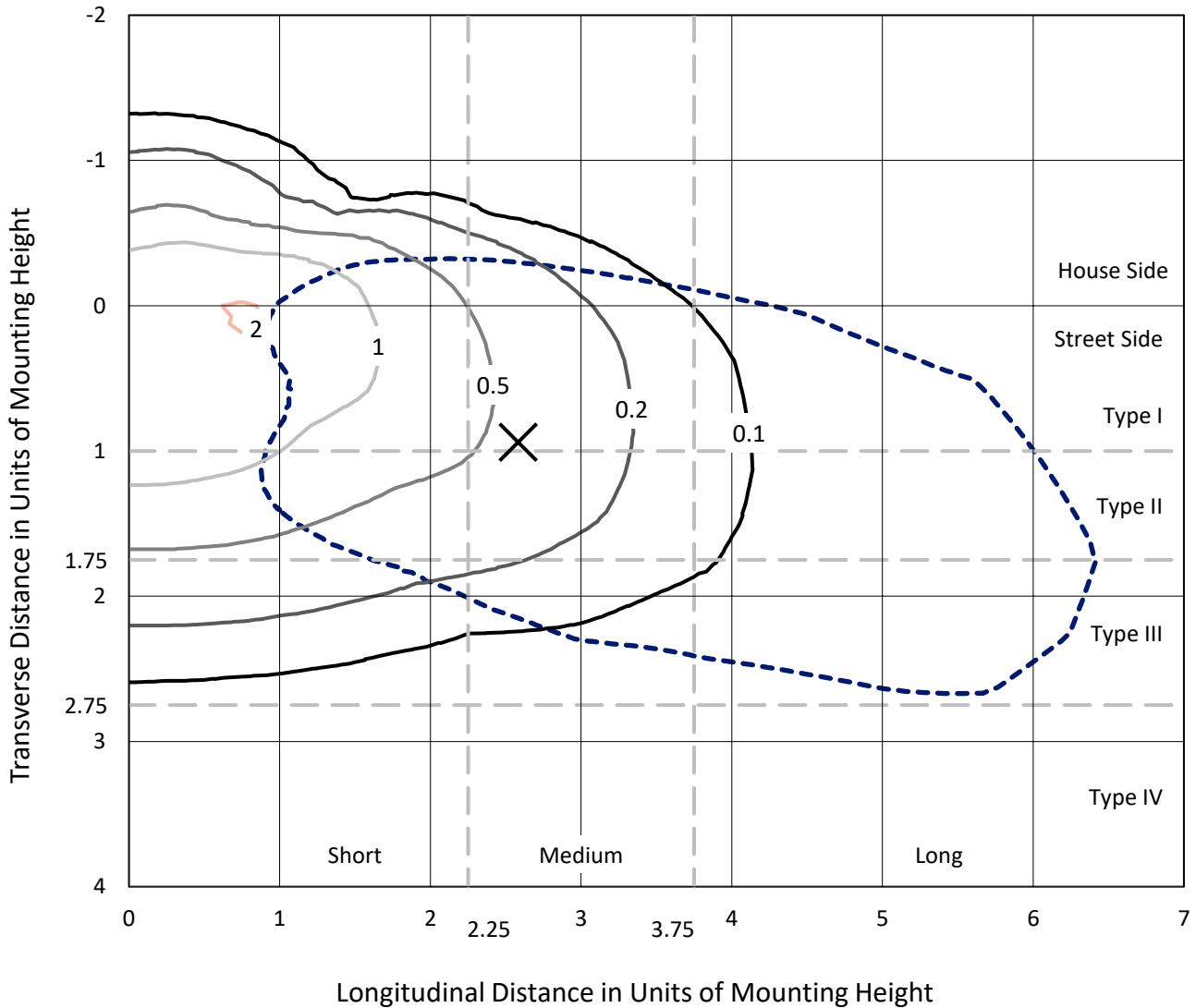
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

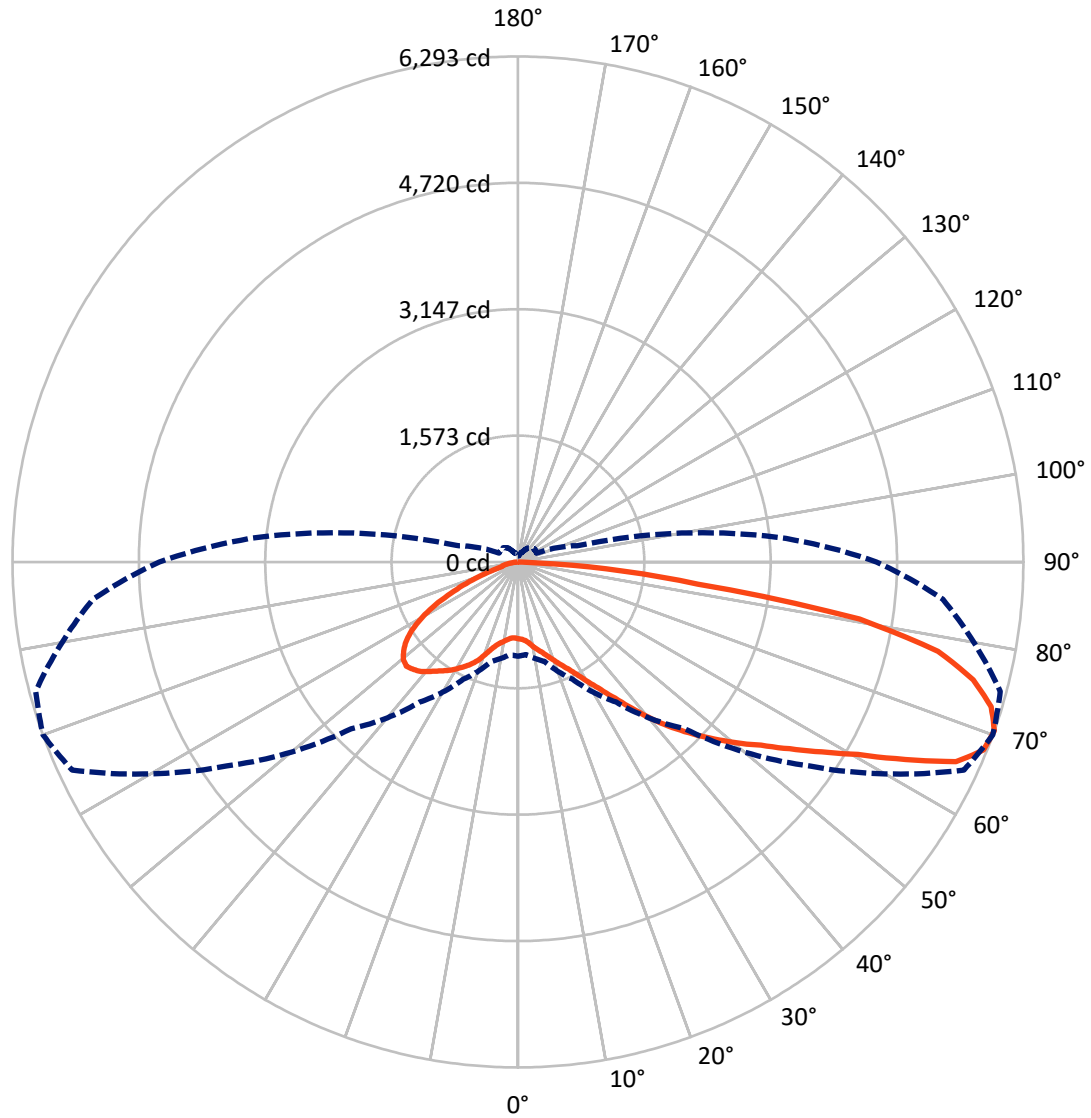
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type 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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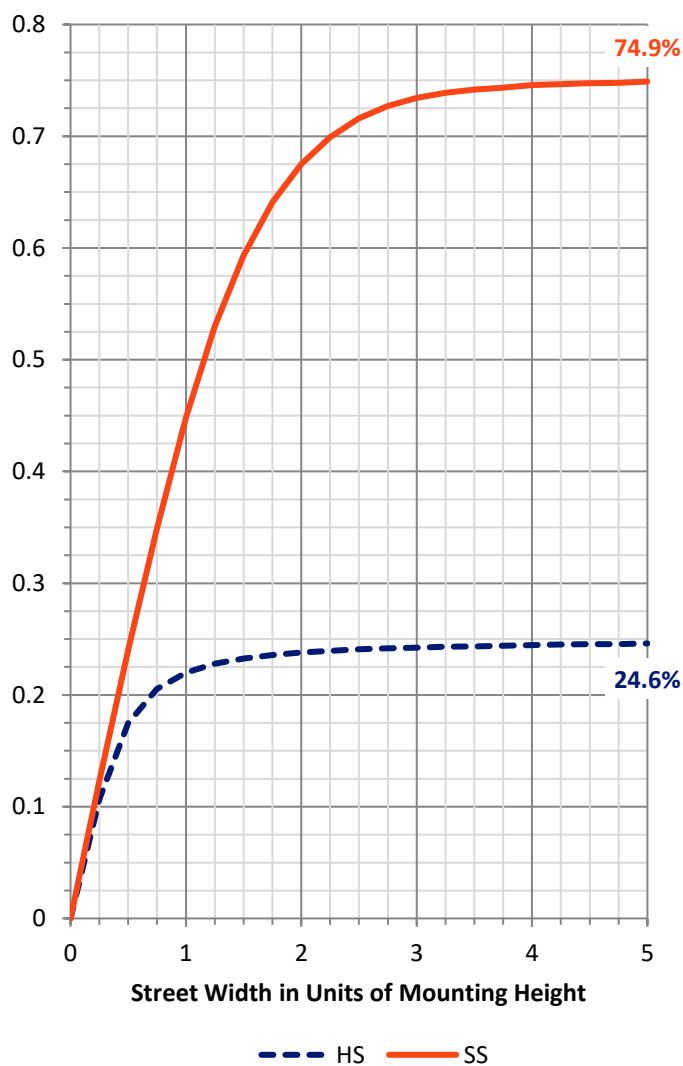
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2340.9	0.0	2340.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7042.1	0.0	7042.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	9383.0	0.0	9383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.0
10°-20°	306.8	3.3
20°-30°	576.4	6.1
30°-40°	964.4	10.3
40°-50°	1472.7	15.7
50°-60°	1943.8	20.7
60°-70°	2199.4	23.4
70°-80°	1546.3	16.5
80°-90°	279.6	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°	9383.0	100.0
0°-180°	9383.0	100.0

Coefficient of Utilization

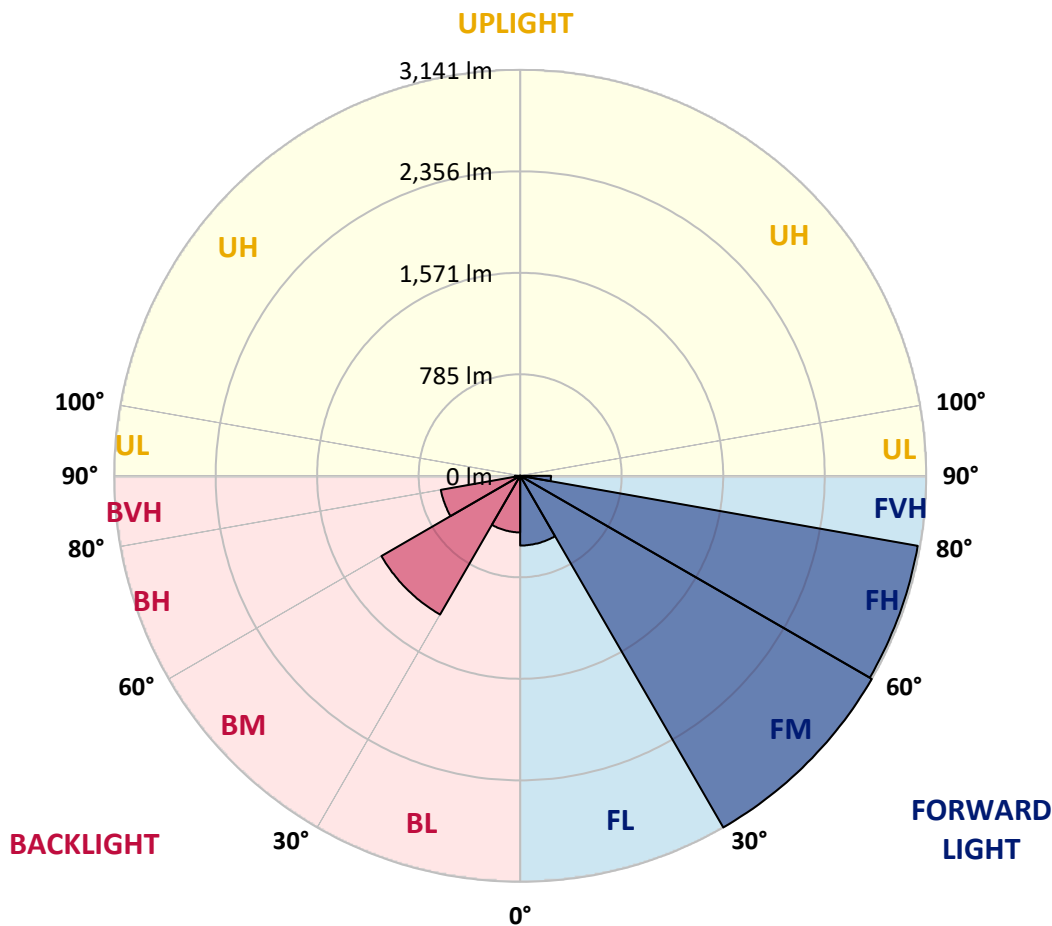


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.3	5.7			
FM (30°-60°)	3141.2	33.5			
FH (60°-80°)	3123.1	33.3			G2/5000
FVH (80°-90°)	238.5	2.5			G3/500
BL (0°-30°)	437.6	4.7	B1/500		
BM (30°-60°)	1239.6	13.2	B2/2500		
BH (60°-80°)	622.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.0	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°	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6
2.5°	977.2	983.1	981.1	983.1	983.1	975.2	971.3	963.5	963.5	963.5	959.5
5°	1016.4	1020.4	1014.5	1016.4	1016.4	1008.6	998.8	987.0	983.1	975.2	969.4
7.5°	1042.0	1049.8	1051.8	1053.7	1053.7	1051.8	1043.9	1030.2	1020.4	1014.5	1000.8
10°	1081.2	1081.2	1087.1	1093.0	1104.8	1104.8	1093.0	1083.2	1077.3	1067.5	1043.9
12.5°	1100.8	1104.8	1110.6	1120.4	1134.2	1146.0	1140.1	1132.2	1124.4	1116.5	1089.1
15°	1114.6	1114.6	1124.4	1144.0	1165.6	1175.4	1179.3	1179.3	1175.4	1167.5	1138.1
17.5°	1138.1	1138.1	1149.9	1171.5	1189.1	1208.8	1230.3	1238.2	1242.1	1230.3	1204.8
20°	1179.3	1183.2	1189.1	1202.9	1218.6	1250.0	1289.2	1312.8	1314.7	1306.9	1285.3
22.5°	1220.5	1218.6	1222.5	1240.1	1265.7	1304.9	1354.0	1391.2	1395.2	1395.2	1377.5
25°	1277.4	1271.5	1269.6	1285.3	1318.6	1365.7	1422.6	1469.7	1485.4	1489.4	1507.0
27.5°	1334.3	1342.2	1334.3	1348.1	1375.5	1432.4	1507.0	1575.7	1597.3	1607.1	1683.6
30°	1485.4	1493.3	1463.8	1430.5	1448.1	1512.9	1601.2	1705.2	1734.6	1773.9	1895.5
32.5°	1693.4	1691.5	1691.5	1611.0	1542.3	1609.1	1701.3	1828.8	1891.6	1987.8	2133.0
35°	1881.8	1881.8	1875.9	1815.1	1728.7	1701.3	1815.1	1976.0	2082.0	2270.3	2380.2
37.5°	2046.6	2052.5	2060.4	1993.7	1940.7	1868.1	1942.6	2144.7	2311.5	2549.0	2649.0
40°	2191.8	2191.8	2221.3	2176.1	2138.9	2072.1	2078.0	2325.3	2572.5	2825.7	2898.3
42.5°	2305.7	2319.4	2360.6	2325.3	2333.1	2295.8	2244.8	2482.3	2815.8	3065.0	3131.8
45°	2397.9	2405.7	2443.0	2462.6	2515.6	2521.5	2466.6	2670.6	3055.2	3302.5	3343.7
47.5°	2464.6	2466.6	2499.9	2572.5	2678.5	2713.8	2692.2	2862.9	3292.7	3538.0	3545.8
50°	2496.0	2501.9	2570.6	2676.5	2839.4	2919.8	2959.1	3116.1	3541.9	3755.8	3755.8
52.5°	2523.5	2539.2	2627.5	2758.9	2978.7	3114.1	3176.9	3445.7	3789.1	3977.5	3969.6
55°	2541.1	2562.7	2649.0	2810.0	3074.9	3284.8	3384.9	3791.1	4105.0	4236.5	4175.7
57.5°	2431.2	2458.7	2611.8	2813.9	3139.6	3410.4	3612.5	4140.4	4460.2	4530.9	4383.7
60°	2248.7	2272.3	2446.9	2766.8	3125.9	3522.3	3861.7	4544.6	4864.4	4889.9	4605.4
62.5°	2060.4	2085.9	2250.7	2619.6	3033.7	3538.0	4091.3	5101.9	5413.9	5343.2	4852.7
65°	1824.9	1838.6	2009.4	2352.7	2851.2	3475.2	4269.9	5610.1	5994.7	5912.3	5096.0
67.5°	1544.3	1554.1	1705.2	2027.0	2531.3	3284.8	4399.4	5996.7	6249.8	6149.7	5288.3
70°	1173.4	1157.7	1281.4	1611.0	2129.0	2935.5	4428.8	6126.2	6293.0	6216.4	5309.9
72.5°	637.7	637.7	802.6	1069.4	1542.3	2366.5	4317.0	6063.4	6161.5	6063.4	5111.7
75°	115.8	125.6	190.3	372.8	767.2	1585.5	3771.5	5702.3	5853.4	5704.3	4713.3
77.5°	72.6	74.6	98.1	147.2	237.4	592.6	2466.6	5131.3	5349.1	5205.9	4083.5
80°	53.0	53.0	70.6	106.0	168.8	233.5	926.2	3971.6	4313.0	4273.8	3072.9
82.5°	37.3	39.2	51.0	76.5	115.8	162.9	272.8	1850.4	2254.6	2309.6	1475.6
85°	23.5	25.5	35.3	51.0	76.5	96.2	109.9	777.1	1102.8	1144.0	637.7
87.5°	11.8	13.7	21.6	33.4	47.1	56.9	53.0	49.1	51.0	56.9	29.4
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°	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6	955.6
2.5°	955.6	953.7	949.7	945.8	941.9	936.0	930.1	922.3	920.3	916.4	914.4
5°	965.4	959.5	951.7	943.8	934.0	922.3	912.4	904.6	900.7	898.7	900.7
7.5°	994.9	985.1	973.3	961.5	943.8	928.1	912.4	902.6	892.8	888.9	888.9
10°	1036.1	1024.3	1006.6	985.1	961.5	941.9	922.3	904.6	890.9	885.0	885.0
12.5°	1079.2	1065.5	1043.9	1014.5	987.0	957.6	934.0	908.5	888.9	877.1	877.1
15°	1128.3	1114.6	1083.2	1055.7	1026.3	992.9	955.6	916.4	885.0	863.4	861.4
17.5°	1189.1	1177.4	1147.9	1122.4	1085.1	1038.0	979.2	914.4	863.4	830.0	828.1
20°	1277.4	1263.7	1238.2	1204.8	1146.0	1071.4	985.1	902.6	834.0	788.8	786.9
22.5°	1379.5	1389.3	1359.8	1277.4	1187.2	1091.0	987.0	883.0	790.8	739.8	735.8
25°	1528.6	1540.4	1456.0	1334.3	1216.6	1085.1	967.4	847.7	731.9	677.0	673.1
27.5°	1705.2	1671.8	1542.3	1379.5	1218.6	1071.4	936.0	779.0	667.2	606.3	598.5
30°	1891.6	1838.6	1636.5	1410.9	1200.9	1042.0	861.4	700.5	618.1	565.1	555.3
32.5°	2093.7	2019.2	1738.6	1436.4	1175.4	983.1	779.0	671.1	594.6	531.8	525.9
35°	2335.1	2211.5	1842.6	1444.2	1134.2	902.6	710.3	653.4	574.9	506.3	496.5
37.5°	2566.6	2413.6	1960.3	1442.3	1077.3	794.7	677.0	620.1	547.5	494.5	490.6
40°	2804.1	2621.6	2097.7	1438.3	1004.7	698.6	639.7	582.8	522.0	482.7	476.8
42.5°	3021.9	2811.9	2237.0	1424.6	894.8	653.4	602.4	555.3	502.3	445.4	435.6
45°	3214.2	2990.5	2341.0	1399.1	777.1	608.3	559.2	520.0	474.9	414.0	404.2
47.5°	3402.6	3149.4	2452.8	1346.1	661.3	567.1	514.1	480.8	435.6	380.7	368.9
50°	3569.3	3290.7	2515.6	1234.3	586.7	523.9	463.1	429.7	376.8	323.8	319.8
52.5°	3745.9	3490.9	2574.5	1040.0	508.2	472.9	412.1	368.9	323.8	296.3	286.5
55°	3928.4	3694.9	2631.4	798.6	441.5	429.7	357.1	306.1	259.0	245.3	251.2
57.5°	4107.0	3848.0	2607.8	561.2	400.3	374.8	300.2	247.2	210.0	211.9	223.7
60°	4303.2	3967.7	2443.0	382.6	363.0	306.1	251.2	211.9	184.5	174.6	172.7
62.5°	4483.8	4040.3	2089.8	325.7	321.8	268.8	227.6	192.3	170.7	151.1	145.2
65°	4621.1	4008.9	1640.4	296.3	290.4	257.1	217.8	182.5	158.9	129.5	123.6
67.5°	4634.9	3787.2	1208.8	270.8	270.8	257.1	217.8	172.7	115.8	100.1	100.1
70°	4466.1	3351.5	788.8	259.0	261.0	253.1	210.0	139.3	107.9	76.5	72.6
72.5°	4150.2	2868.8	390.5	235.5	253.1	223.7	190.3	143.2	102.0	70.6	66.7
75°	3620.4	2250.7	202.1	215.8	210.0	196.2	190.3	145.2	96.2	56.9	51.0
77.5°	2947.3	1354.0	168.8	194.3	168.8	182.5	170.7	137.4	90.3	54.9	51.0
80°	1624.7	531.8	135.4	131.5	139.3	145.2	157.0	131.5	98.1	62.8	58.9
82.5°	655.4	117.7	74.6	88.3	96.2	121.7	141.3	127.5	94.2	62.8	60.8
85°	170.7	35.3	33.4	47.1	70.6	100.1	119.7	98.1	68.7	54.9	53.0
87.5°	11.8	11.8	15.7	23.5	23.5	11.8	2.0	2.0	2.0	2.0	3.9
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)