

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: P510996

Luminaire Tested: **PRV-P-C20-D-UNV-T3-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510996
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-T3-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1300mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9731 lumens
Efficiency: N/A
Efficacy: 133.7 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

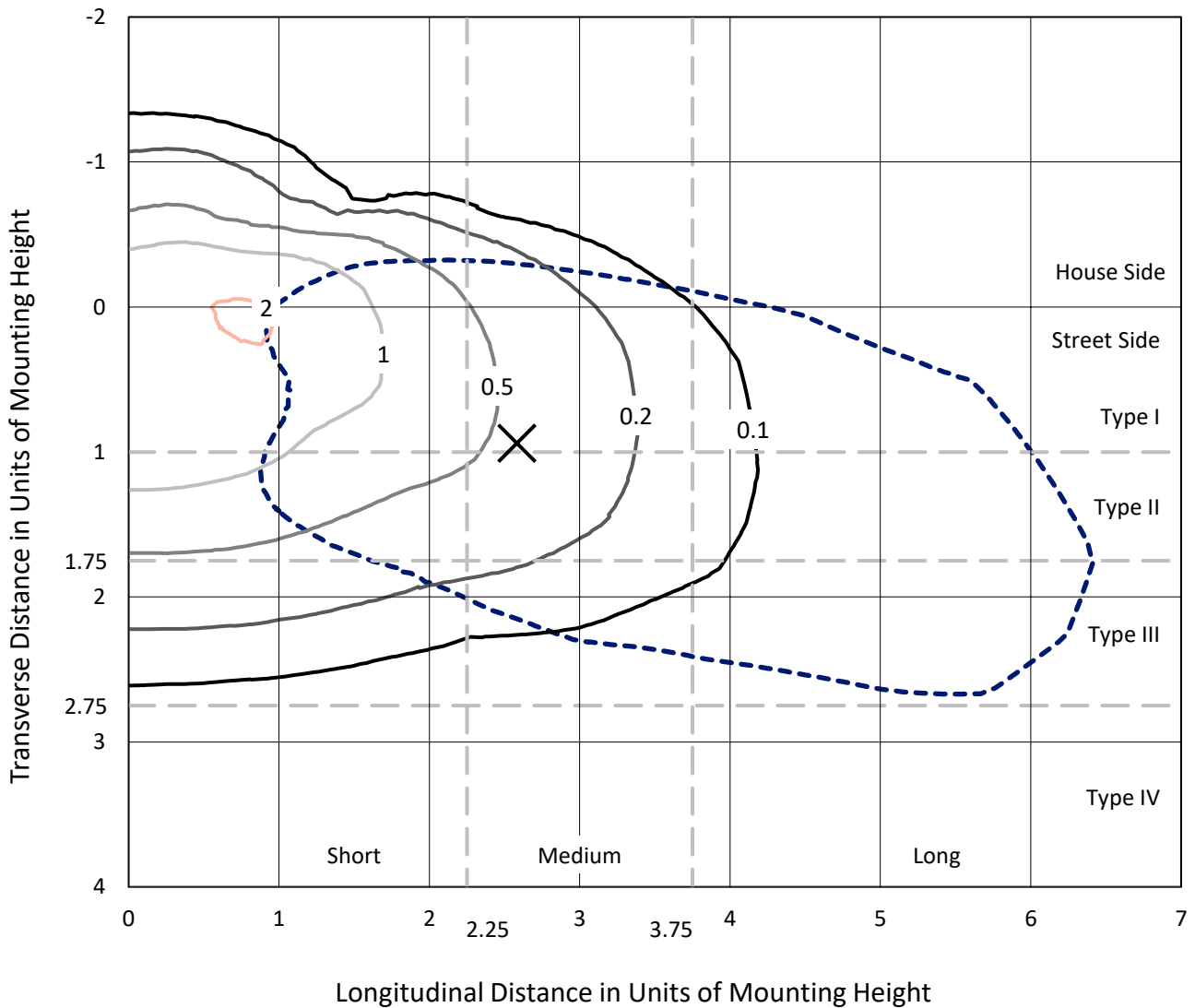
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

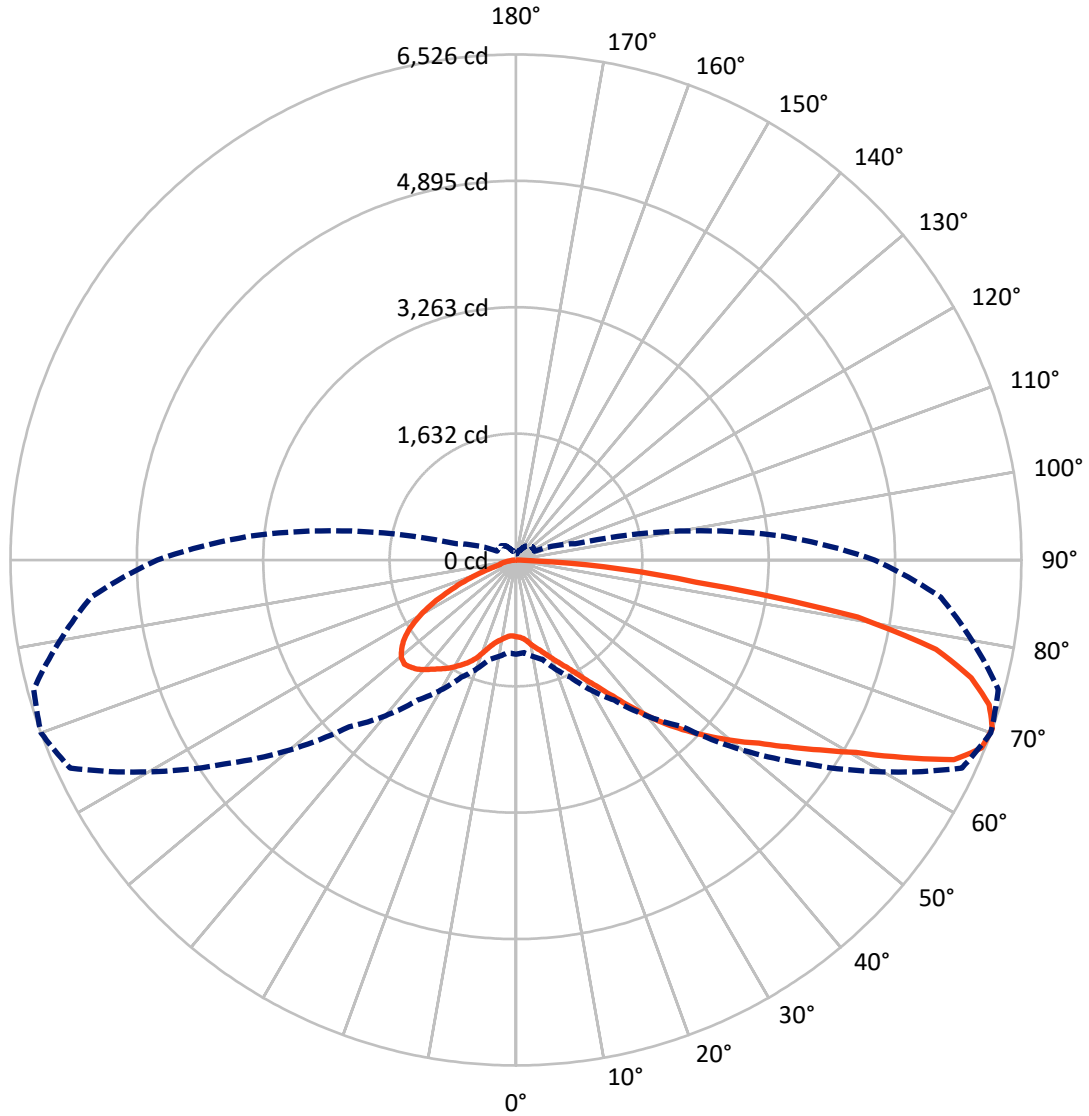
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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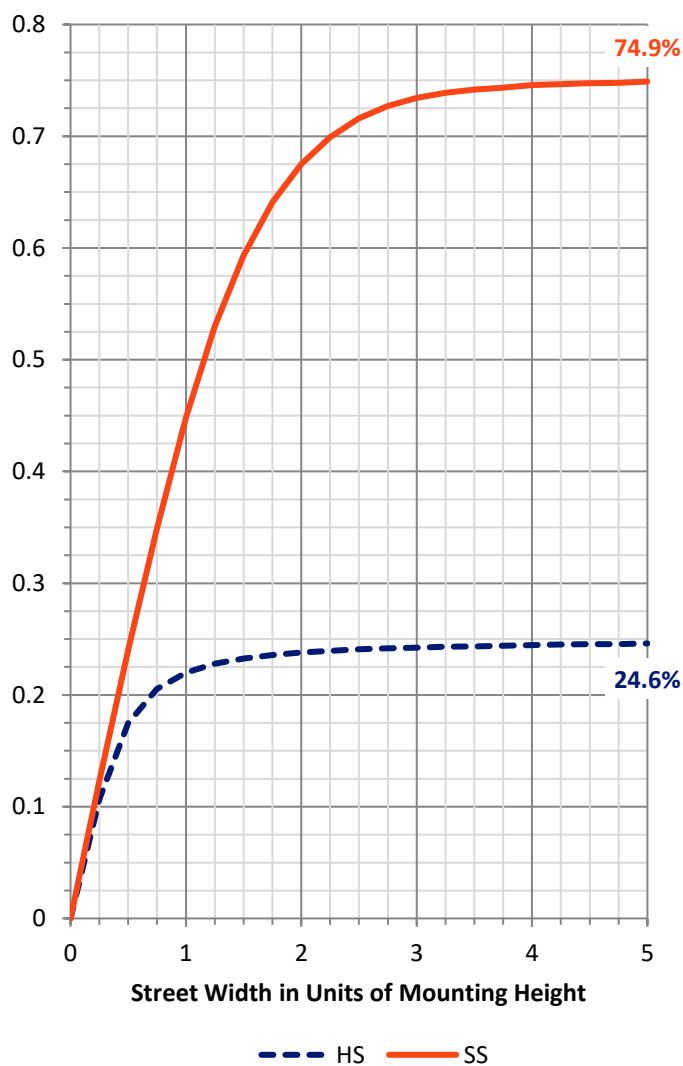
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2427.7	0.0	2427.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7303.3	0.0	7303.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	9731.0	0.0	9731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.0
10°-20°	318.2	3.3
20°-30°	597.8	6.1
30°-40°	1000.1	10.3
40°-50°	1527.3	15.7
50°-60°	2015.9	20.7
60°-70°	2280.9	23.4
70°-80°	1603.7	16.5
80°-90°	289.9	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°	9731.0	100.0
0°-180°	9731.0	100.0

Coefficient of Utilization

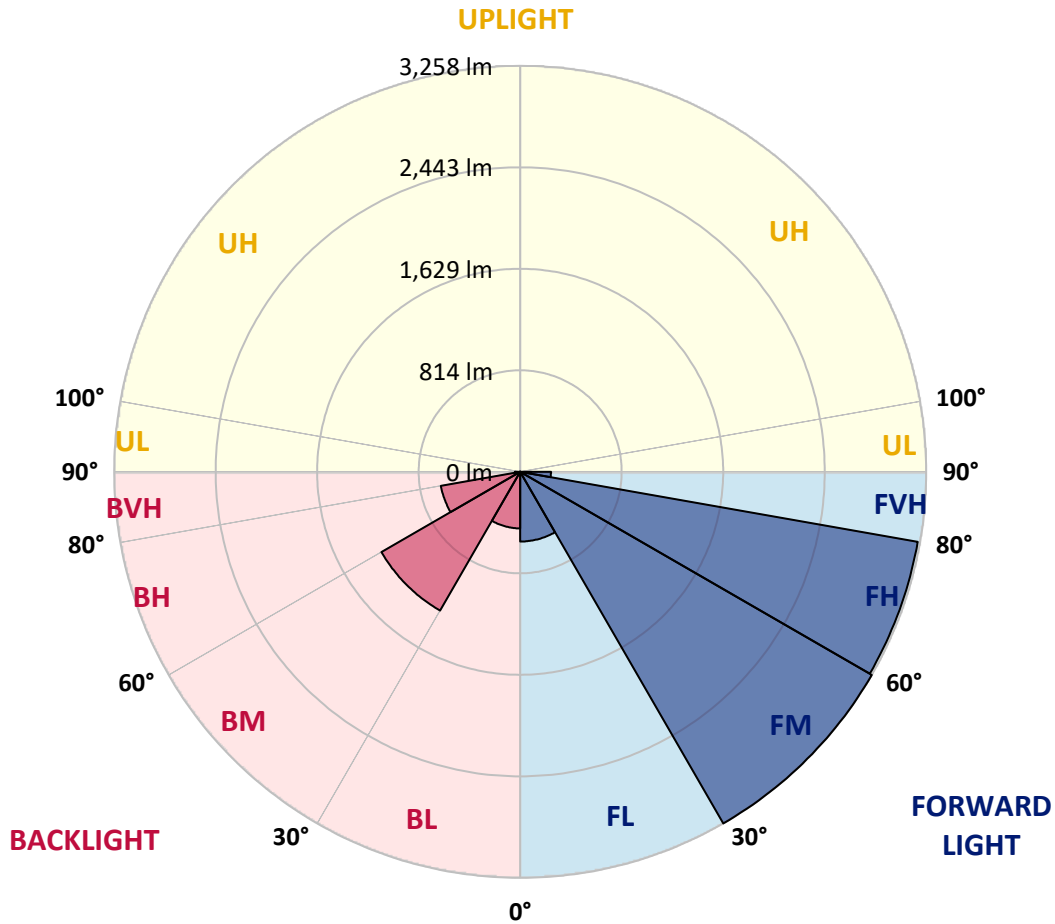


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.3	5.7			
FM (30°-60°)	3257.7	33.5			
FH (60°-80°)	3238.9	33.3			G2/5000
FVH (80°-90°)	247.4	2.5			G3/500
BL (0°-30°)	453.9	4.7	B1/500		
BM (30°-60°)	1285.6	13.2	B2/2500		
BH (60°-80°)	645.7	6.6	B2/1000		G2/1000
BVH (80°-90°)	42.5	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°	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1
2.5°	1013.4	1019.6	1017.5	1019.6	1019.6	1011.4	1007.3	999.2	999.2	999.2	995.1
5°	1054.1	1058.2	1052.1	1054.1	1054.1	1046.0	1035.8	1023.6	1019.6	1011.4	1005.3
7.5°	1080.6	1088.7	1090.8	1092.8	1092.8	1090.8	1082.6	1068.4	1058.2	1052.1	1037.9
10°	1121.3	1121.3	1127.4	1133.5	1145.7	1145.7	1133.5	1123.3	1117.2	1107.1	1082.6
12.5°	1141.7	1145.7	1151.8	1162.0	1176.2	1188.5	1182.4	1174.2	1166.1	1157.9	1129.4
15°	1155.9	1155.9	1166.1	1186.4	1208.8	1219.0	1223.1	1223.1	1219.0	1210.8	1180.3
17.5°	1180.3	1180.3	1192.5	1214.9	1233.2	1253.6	1276.0	1284.1	1288.2	1276.0	1249.5
20°	1223.1	1227.1	1233.2	1247.5	1263.8	1296.3	1337.0	1361.4	1363.5	1355.3	1332.9
22.5°	1265.8	1263.8	1267.8	1286.1	1312.6	1353.3	1404.2	1442.8	1446.9	1446.9	1428.6
25°	1324.8	1318.7	1316.7	1332.9	1367.5	1416.4	1475.4	1524.2	1540.5	1544.6	1562.9
27.5°	1383.8	1392.0	1383.8	1398.1	1426.6	1485.6	1562.9	1634.1	1656.5	1666.7	1746.1
30°	1540.5	1548.7	1518.1	1483.5	1501.9	1569.0	1660.6	1768.4	1799.0	1839.7	1965.8
32.5°	1756.2	1754.2	1754.2	1670.8	1599.5	1668.7	1764.4	1896.7	1961.8	2061.5	2212.1
35°	1951.6	1951.6	1945.5	1882.4	1792.9	1764.4	1882.4	2049.3	2159.2	2354.5	2468.5
37.5°	2122.5	2128.6	2136.8	2067.6	2012.6	1937.4	2014.7	2224.3	2397.3	2643.5	2747.3
40°	2273.1	2273.1	2303.7	2256.9	2218.2	2149.0	2155.1	2411.5	2667.9	2930.4	3005.7
42.5°	2391.2	2405.4	2448.1	2411.5	2419.7	2381.0	2328.1	2574.3	2920.3	3178.7	3247.9
45°	2486.8	2495.0	2533.6	2554.0	2608.9	2615.0	2558.0	2769.7	3168.5	3425.0	3467.7
47.5°	2556.0	2558.0	2592.6	2667.9	2777.8	2814.5	2792.1	2969.1	3414.8	3669.2	3677.3
50°	2588.6	2594.7	2665.9	2775.8	2944.7	3028.1	3068.8	3231.6	3673.2	3895.1	3895.1
52.5°	2617.1	2633.3	2724.9	2861.3	3089.2	3229.6	3294.7	3573.5	3929.7	4125.0	4116.9
55°	2635.4	2657.8	2747.3	2914.2	3188.9	3406.6	3510.4	3931.7	4257.3	4393.6	4330.6
57.5°	2521.4	2549.9	2708.6	2918.2	3256.1	3536.9	3746.5	4293.9	4625.6	4698.9	4546.3
60°	2332.1	2356.6	2537.7	2869.4	3241.8	3652.9	4004.9	4713.1	5044.9	5071.3	4776.2
62.5°	2136.8	2163.2	2334.2	2716.8	3146.2	3669.2	4243.0	5291.1	5614.7	5541.4	5032.6
65°	1892.6	1906.8	2083.9	2440.0	2956.9	3604.0	4428.2	5818.2	6217.0	6131.6	5285.0
67.5°	1601.6	1611.7	1768.4	2102.2	2625.2	3406.6	4562.5	6219.1	6481.6	6377.8	5484.4
70°	1217.0	1200.7	1328.9	1670.8	2208.0	3044.4	4593.1	6353.4	6526.4	6447.0	5506.8
72.5°	661.4	661.4	832.3	1109.1	1599.5	2454.3	4477.1	6288.3	6390.0	6288.3	5301.3
75°	120.1	130.2	197.4	386.7	795.7	1644.3	3911.3	5913.8	6070.5	5915.8	4888.2
77.5°	75.3	77.3	101.8	152.6	246.2	614.6	2558.0	5321.6	5547.5	5398.9	4234.9
80°	54.9	54.9	73.3	109.9	175.0	242.2	960.5	4118.9	4473.0	4432.3	3186.9
82.5°	38.7	40.7	52.9	79.4	120.1	168.9	282.9	1919.0	2338.3	2395.2	1530.3
85°	24.4	26.5	36.6	52.9	79.4	99.7	114.0	805.9	1143.7	1186.4	661.4
87.5°	12.2	14.2	22.4	34.6	48.8	59.0	54.9	50.9	52.9	59.0	30.5
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°	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1	991.1
2.5°	991.1	989.0	985.0	980.9	976.8	970.7	964.6	956.5	954.4	950.4	948.3
5°	1001.2	995.1	987.0	978.9	968.7	956.5	946.3	938.2	934.1	932.0	934.1
7.5°	1031.8	1021.6	1009.4	997.2	978.9	962.6	946.3	936.1	925.9	921.9	921.9
10°	1074.5	1062.3	1044.0	1021.6	997.2	976.8	956.5	938.2	923.9	917.8	917.8
12.5°	1119.3	1105.0	1082.6	1052.1	1023.6	993.1	968.7	942.2	921.9	909.7	909.7
15°	1170.1	1155.9	1123.3	1094.8	1064.3	1029.7	991.1	950.4	917.8	895.4	893.4
17.5°	1233.2	1221.0	1190.5	1164.0	1125.4	1076.5	1015.5	948.3	895.4	860.8	858.8
20°	1324.8	1310.6	1284.1	1249.5	1188.5	1111.1	1021.6	936.1	864.9	818.1	816.0
22.5°	1430.6	1440.8	1410.3	1324.8	1231.2	1131.5	1023.6	915.8	820.1	767.2	763.1
25°	1585.3	1597.5	1510.0	1383.8	1261.7	1125.4	1003.3	879.1	759.1	702.1	698.0
27.5°	1768.4	1733.8	1599.5	1430.6	1263.8	1111.1	970.7	807.9	691.9	628.8	620.7
30°	1961.8	1906.8	1697.2	1463.2	1245.4	1080.6	893.4	726.5	641.0	586.1	575.9
32.5°	2171.4	2094.1	1803.0	1489.6	1219.0	1019.6	807.9	696.0	616.6	551.5	545.4
35°	2421.7	2293.5	1910.9	1497.8	1176.2	936.1	736.7	677.7	596.3	525.0	514.9
37.5°	2661.8	2503.1	2033.0	1495.8	1117.2	824.2	702.1	643.1	567.8	512.8	508.8
40°	2908.1	2718.8	2175.5	1491.7	1041.9	724.5	663.4	604.4	541.3	500.6	494.5
42.5°	3134.0	2916.2	2319.9	1477.4	928.0	677.7	624.8	575.9	521.0	462.0	451.8
45°	3333.4	3101.4	2427.8	1451.0	805.9	630.9	580.0	539.3	492.5	429.4	419.2
47.5°	3528.7	3266.2	2543.8	1396.0	685.8	588.1	533.2	498.6	451.8	394.8	382.6
50°	3701.7	3412.8	2608.9	1280.0	608.5	543.4	480.3	445.7	390.7	335.8	331.7
52.5°	3884.9	3620.3	2670.0	1078.6	527.1	490.4	427.4	382.6	335.8	307.3	297.1
55°	4074.1	3832.0	2729.0	828.3	457.9	445.7	370.4	317.5	268.6	254.4	260.5
57.5°	4259.3	3990.7	2704.6	582.0	415.1	388.7	311.4	256.4	217.7	219.8	232.0
60°	4462.8	4114.8	2533.6	396.8	376.5	317.5	260.5	219.8	191.3	181.1	179.1
62.5°	4650.1	4190.1	2167.3	337.8	333.7	278.8	236.1	199.4	177.0	156.7	150.6
65°	4792.5	4157.6	1701.3	307.3	301.2	266.6	225.9	189.3	164.8	134.3	128.2
67.5°	4806.8	3927.6	1253.6	280.8	280.8	266.6	225.9	179.1	120.1	103.8	103.8
70°	4631.7	3475.8	818.1	268.6	270.7	262.5	217.7	144.5	111.9	79.4	75.3
72.5°	4304.1	2975.2	405.0	244.2	262.5	232.0	197.4	148.6	105.8	73.3	69.2
75°	3754.6	2334.2	209.6	223.9	217.7	203.5	197.4	150.6	99.7	59.0	52.9
77.5°	3056.6	1404.2	175.0	201.5	175.0	189.3	177.0	142.5	93.6	57.0	52.9
80°	1685.0	551.5	140.4	136.3	144.5	150.6	162.8	136.3	101.8	65.1	61.1
82.5°	679.7	122.1	77.3	91.6	99.7	126.2	146.5	132.3	97.7	65.1	63.1
85°	177.0	36.6	34.6	48.8	73.3	103.8	124.1	101.8	71.2	57.0	54.9
87.5°	12.2	12.2	16.3	24.4	24.4	12.2	2.0	2.0	2.0	2.0	4.1
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)