

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: P511314

Luminaire Tested: **PRV-P-PA1D-740-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-740-U-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11277 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

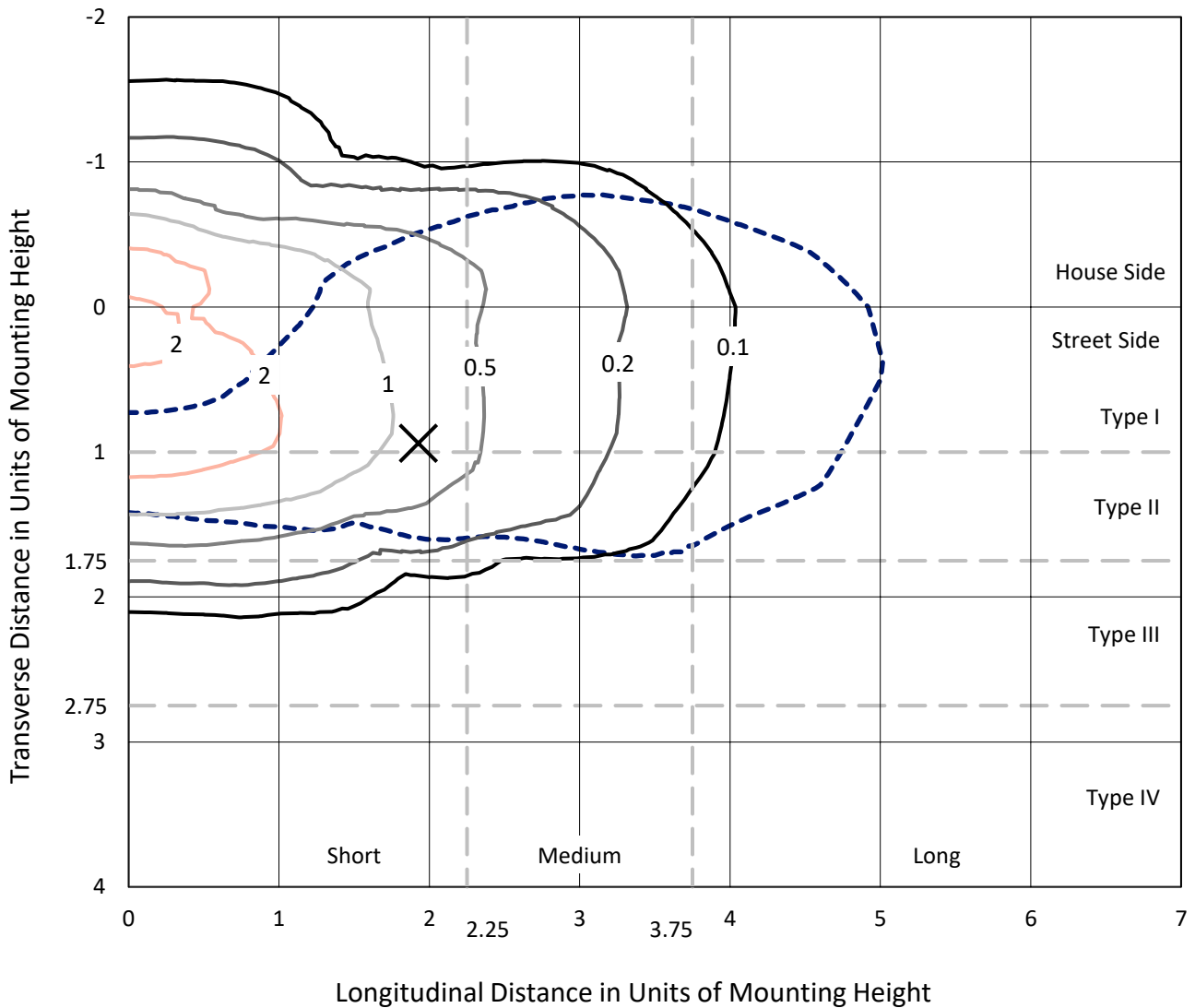
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

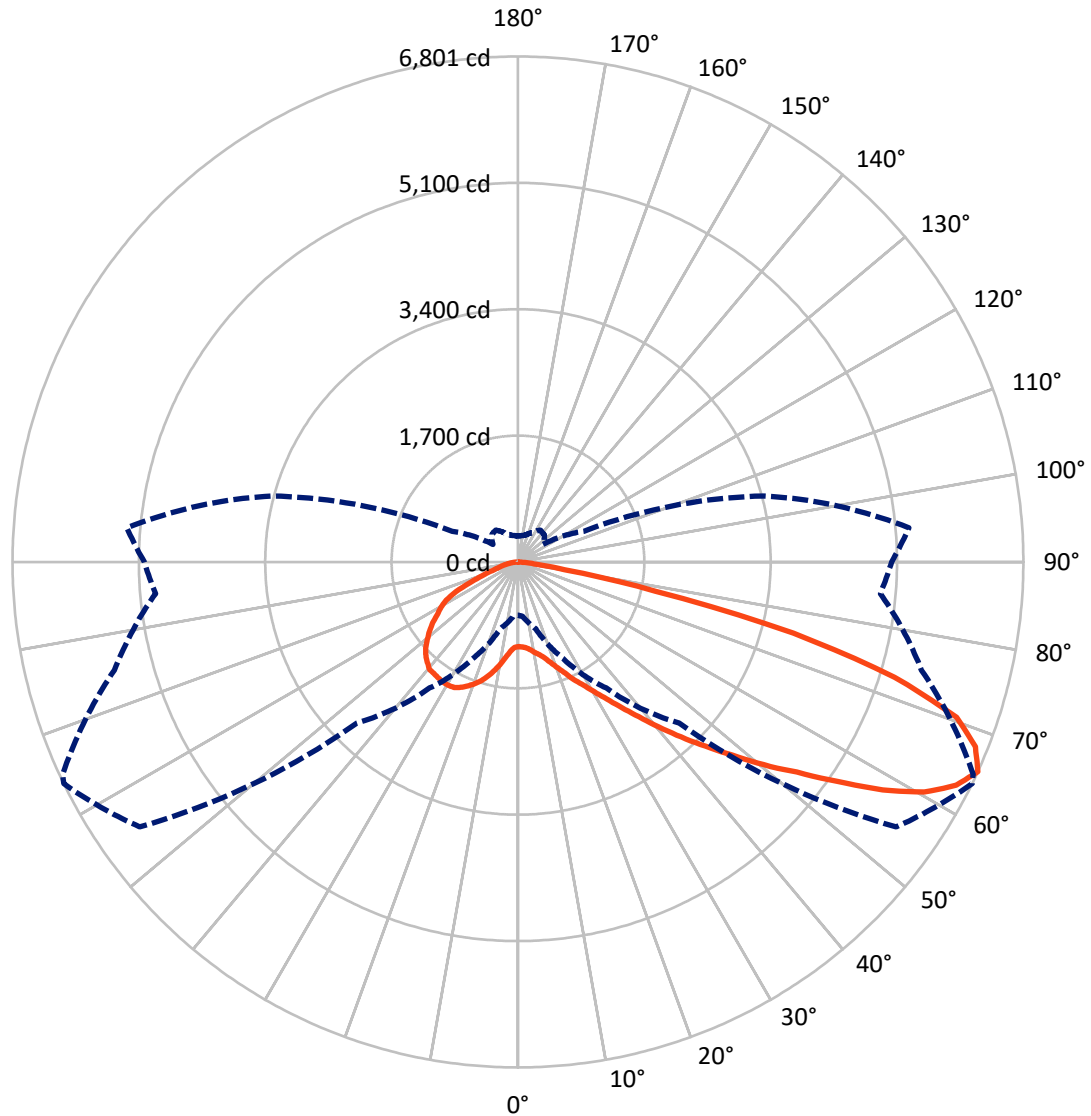
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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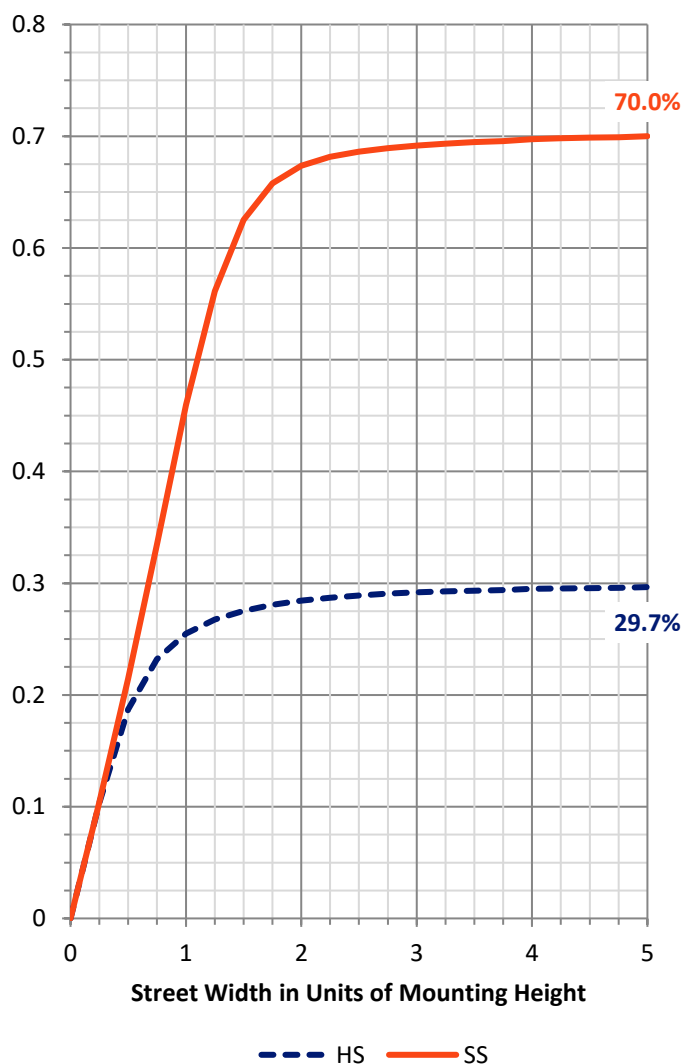
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3369.8	0.0	3369.8
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	7907.2	0.0	7907.2
	% Fixture	70.1	0.0	70.1
Total	Lumens	11277.0	0.0	11277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.0
10°-20°	408.2	3.6
20°-30°	790.1	7.0
30°-40°	1263.2	11.2
40°-50°	2024.9	18.0
50°-60°	2652.9	23.5
60°-70°	2410.2	21.4
70°-80°	1439.5	12.8
80°-90°	170.7	1.5
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°	11277.0	100.0
0°-180°	11277.0	100.0

Coefficient of Utilization



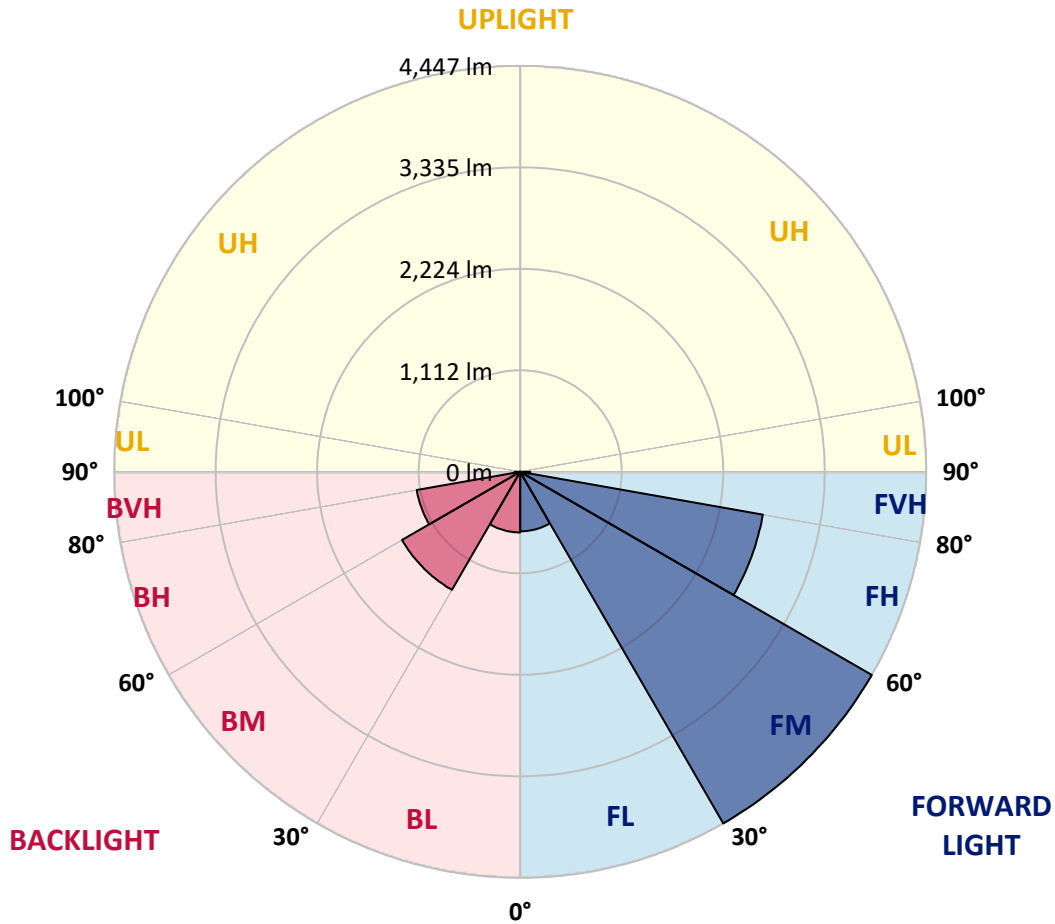
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	651.4	5.8			
FM (30°-60°)	4447.2	39.4			
FH (60°-80°)	2699.1	23.9			G2/5000
FVH (80°-90°)	109.4	1.0			G2/225
BL (0°-30°)	664.1	5.9	B2/1000		
BM (30°-60°)	1493.7	13.2	B2/2500		
BH (60°-80°)	1150.6	10.2	B3/2500		G3/2500
BVH (80°-90°)	61.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8
2.5°	1141.4	1138.8	1146.4	1146.4	1146.4	1143.9	1141.4	1143.9	1143.9	1141.4	1143.9
5°	1136.3	1136.3	1143.9	1153.9	1153.9	1161.4	1156.4	1158.9	1161.4	1163.9	1163.9
7.5°	1103.7	1111.3	1118.8	1133.8	1148.9	1168.9	1181.5	1191.5	1194.0	1204.1	1211.6
10°	1121.3	1118.8	1131.3	1141.4	1156.4	1189.0	1209.1	1236.7	1231.7	1259.2	1271.8
12.5°	1153.9	1153.9	1163.9	1181.5	1201.6	1231.7	1246.7	1279.3	1281.8	1306.9	1332.0
15°	1194.0	1194.0	1211.6	1231.7	1261.8	1301.9	1322.0	1337.0	1349.6	1369.6	1394.7
17.5°	1266.8	1276.8	1279.3	1299.4	1324.5	1374.6	1407.2	1419.8	1419.8	1437.4	1459.9
20°	1404.7	1424.8	1407.2	1404.7	1409.8	1462.4	1495.0	1517.6	1515.1	1520.1	1522.6
22.5°	1592.9	1605.4	1587.9	1567.8	1537.7	1570.3	1600.4	1625.5	1610.4	1610.4	1587.9
25°	1838.7	1823.7	1808.6	1750.9	1695.7	1683.2	1725.8	1755.9	1748.4	1710.8	1660.6
27.5°	2094.6	2074.5	2039.4	1976.7	1886.4	1838.7	1848.7	1873.8	1883.9	1821.1	1740.9
30°	2340.4	2345.4	2302.8	2215.0	2099.6	2019.3	2006.8	2024.3	2019.3	1936.5	1821.1
32.5°	2689.1	2656.5	2621.3	2500.9	2330.4	2235.0	2194.9	2197.4	2197.4	2074.5	1914.0
35°	3080.4	3085.4	2982.6	2814.5	2606.3	2473.3	2410.6	2405.6	2393.1	2255.1	2046.9
37.5°	3639.8	3604.7	3479.2	3248.5	2952.5	2764.3	2656.5	2641.4	2628.9	2460.8	2215.0
40°	4126.4	4131.4	4001.0	3765.2	3386.4	3075.4	2944.9	2917.3	2912.3	2686.6	2408.1
42.5°	4452.5	4435.0	4430.0	4292.0	3920.7	3584.6	3298.6	3218.4	3180.7	2957.5	2638.9
45°	4605.5	4613.1	4635.6	4660.7	4487.6	4166.6	3750.2	3534.4	3501.8	3233.4	2889.8
47.5°	4695.8	4713.4	4783.6	4858.9	4936.7	4821.3	4216.7	3883.1	3855.5	3521.9	3148.1
50°	4640.7	4628.1	4796.2	5006.9	5255.2	5481.0	4753.5	4289.5	4254.4	3873.1	3436.6
52.5°	4061.2	4121.4	4492.7	4964.3	5455.9	5894.9	5365.6	4698.4	4668.3	4204.2	3695.0
55°	3281.1	3326.2	3715.0	4462.6	5473.5	6158.3	5839.7	5210.1	5169.9	4535.3	3991.0
57.5°	2488.4	2606.3	3040.3	3632.3	4954.2	6203.4	6205.9	5784.5	5649.1	4863.9	4256.9
60°	1670.6	1718.3	2252.6	2824.5	3978.4	5794.6	6391.6	6283.7	6175.8	5182.5	4502.7
62.5°	1131.3	1141.4	1462.4	2134.7	2942.4	4828.8	6401.6	6617.3	6507.0	5440.9	4703.4
65°	714.9	735.0	930.6	1429.8	2069.5	3065.3	6213.5	6800.5	6757.8	5621.5	4894.0
67.5°	544.3	549.4	634.6	865.4	1447.4	1843.7	5373.1	6637.4	6649.9	5754.4	4984.3
70°	464.1	471.6	541.8	599.5	995.9	990.8	3444.1	6261.1	6306.3	5802.1	5034.5
72.5°	368.7	381.3	459.0	551.9	730.0	674.8	1472.5	5300.4	5435.8	5644.0	4996.9
75°	270.9	278.4	346.2	449.0	571.9	519.3	584.5	3827.9	4184.1	4951.7	4753.5
77.5°	193.2	205.7	258.4	333.6	519.3	376.3	363.7	1886.4	2267.7	3762.7	4086.3
80°	135.5	132.9	173.1	225.8	323.6	280.9	215.7	637.2	817.8	2154.8	2659.0
82.5°	67.7	70.2	100.3	140.5	183.1	223.3	120.4	253.4	293.5	885.5	993.4
85°	30.1	30.1	42.6	50.2	82.8	82.8	57.7	92.8	102.8	243.3	90.3
87.5°	0.0	2.5	2.5	5.0	5.0	7.5	10.0	12.5	15.1	15.1	12.5
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°	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8	1138.8
2.5°	1146.4	1146.4	1146.4	1146.4	1153.9	1158.9	1166.4	1171.5	1168.9	1171.5	1171.5
5°	1168.9	1171.5	1181.5	1194.0	1211.6	1226.6	1251.7	1256.7	1269.3	1264.3	1276.8
7.5°	1216.6	1229.1	1246.7	1276.8	1309.4	1337.0	1359.6	1374.6	1384.7	1392.2	1384.7
10°	1286.8	1301.9	1337.0	1379.7	1419.8	1457.4	1472.5	1487.5	1485.0	1477.5	1475.0
12.5°	1349.6	1369.6	1424.8	1477.5	1530.2	1560.3	1547.7	1530.2	1515.1	1505.1	1502.6
15°	1414.8	1442.4	1502.6	1577.8	1620.5	1618.0	1582.8	1555.2	1552.7	1547.7	1542.7
17.5°	1480.0	1515.1	1592.9	1663.1	1690.7	1645.6	1610.4	1597.9	1602.9	1597.9	1595.4
20°	1540.2	1572.8	1663.1	1738.4	1725.8	1665.6	1643.0	1633.0	1620.5	1612.9	1607.9
22.5°	1597.9	1633.0	1735.9	1803.6	1760.9	1683.2	1655.6	1620.5	1607.9	1592.9	1587.9
25°	1653.1	1693.2	1796.1	1863.8	1760.9	1675.7	1618.0	1572.8	1545.2	1530.2	1530.2
27.5°	1733.3	1760.9	1856.3	1911.5	1740.9	1633.0	1530.2	1467.5	1424.8	1422.3	1422.3
30°	1793.6	1808.6	1906.4	1929.0	1695.7	1535.2	1404.7	1311.9	1266.8	1254.2	1251.7
32.5°	1873.8	1868.8	1949.1	1934.0	1638.0	1412.3	1239.2	1133.8	1076.1	1058.6	1048.5
35°	1974.2	1966.6	2036.9	1929.0	1557.8	1266.8	1056.1	935.7	895.5	865.4	867.9
37.5°	2137.2	2087.0	2172.3	1926.5	1449.9	1076.1	862.9	790.2	737.5	707.4	709.9
40°	2307.8	2235.0	2325.3	1931.5	1324.5	888.0	732.5	679.8	629.6	584.5	589.5
42.5°	2516.0	2428.2	2488.4	1891.4	1176.5	740.0	652.2	614.6	571.9	539.3	544.3
45°	2749.3	2623.9	2641.4	1851.2	1008.4	659.7	627.1	599.5	561.9	519.3	521.8
47.5°	3005.1	2862.2	2756.8	1788.5	875.5	642.2	649.7	607.0	524.3	471.6	471.6
50°	3261.0	3118.0	2852.1	1690.7	790.2	684.8	647.2	544.3	479.1	446.5	441.5
52.5°	3524.4	3431.6	2907.3	1592.9	765.1	682.3	594.5	514.2	459.0	421.4	416.4
55°	3817.9	3770.2	2990.1	1485.0	692.3	657.2	569.4	491.7	431.5	401.4	393.8
57.5°	4093.8	4159.0	3067.9	1369.6	592.0	599.5	541.8	474.1	421.4	398.8	393.8
60°	4409.9	4552.9	3170.7	1276.8	511.7	556.9	531.8	484.1	431.5	403.9	398.8
62.5°	4685.8	4926.6	3301.1	1161.4	456.5	531.8	536.8	471.6	413.9	388.8	381.3
65°	5027.0	5280.3	3429.1	975.8	408.9	506.7	521.8	434.0	371.3	353.7	346.2
67.5°	5270.3	5498.6	3496.8	709.9	363.7	456.5	476.6	386.3	321.1	311.0	306.0
70°	5410.8	5445.9	3461.7	494.2	316.1	386.3	423.9	338.6	283.5	275.9	268.4
72.5°	5307.9	5089.7	3210.8	343.7	273.4	331.1	368.7	303.5	238.3	228.3	223.3
75°	4886.5	4412.4	2578.7	253.4	238.3	280.9	311.0	255.9	190.6	173.1	170.6
77.5°	3970.9	3366.4	1665.6	200.7	198.2	228.3	248.3	200.7	145.5	138.0	130.4
80°	2413.1	2056.9	707.4	150.5	150.5	165.6	183.1	158.0	110.4	95.3	92.8
82.5°	905.6	704.9	233.3	97.8	95.3	117.9	143.0	107.9	62.7	52.7	47.7
85°	67.7	82.8	85.3	47.7	42.6	47.7	57.7	30.1	17.6	12.5	12.5
87.5°	10.0	10.0	10.0	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
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)