

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: P511036

Luminaire Tested: **PRV-P-C25-D-UNV-T2**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)
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-T2
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1650mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11521 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

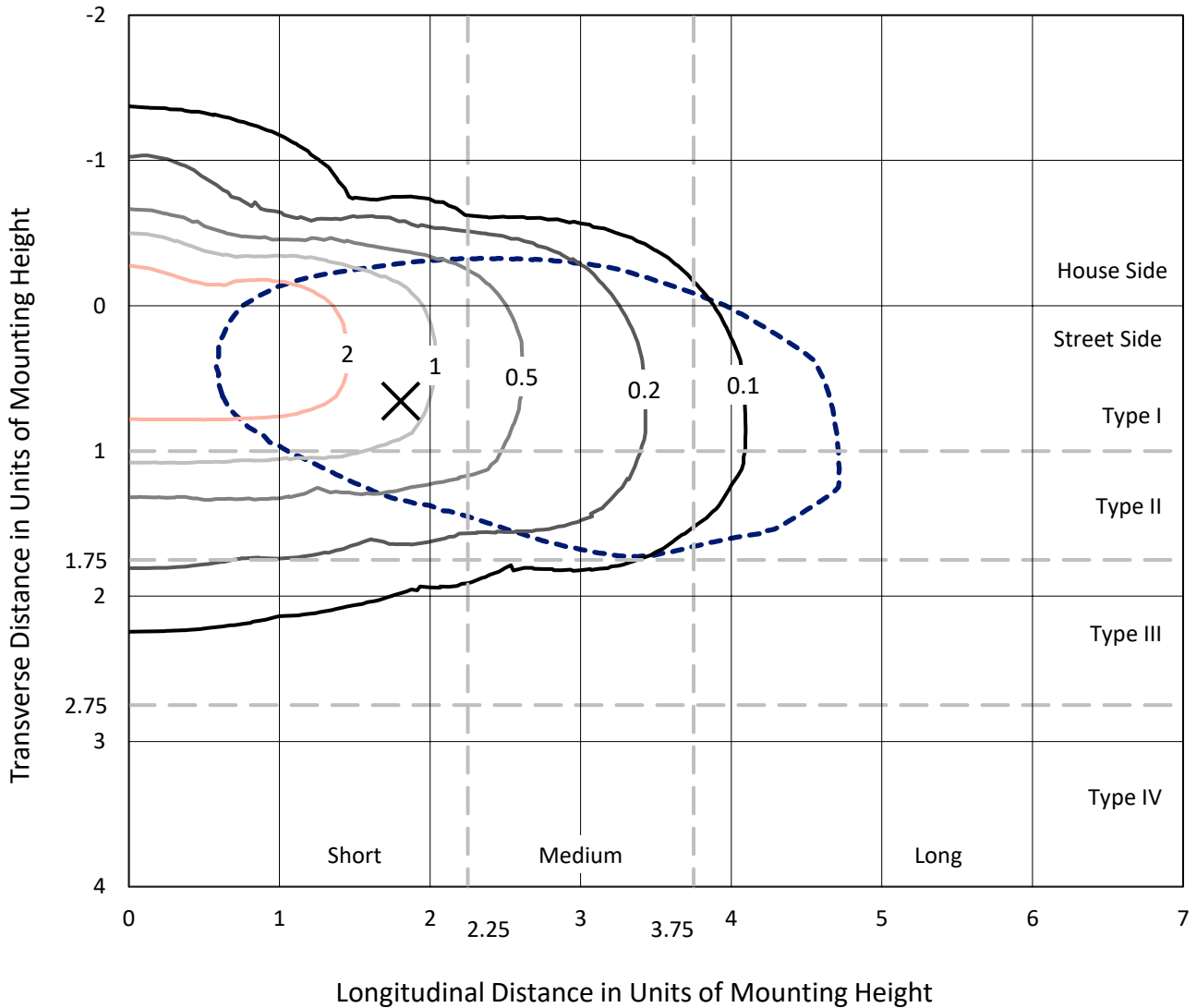
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

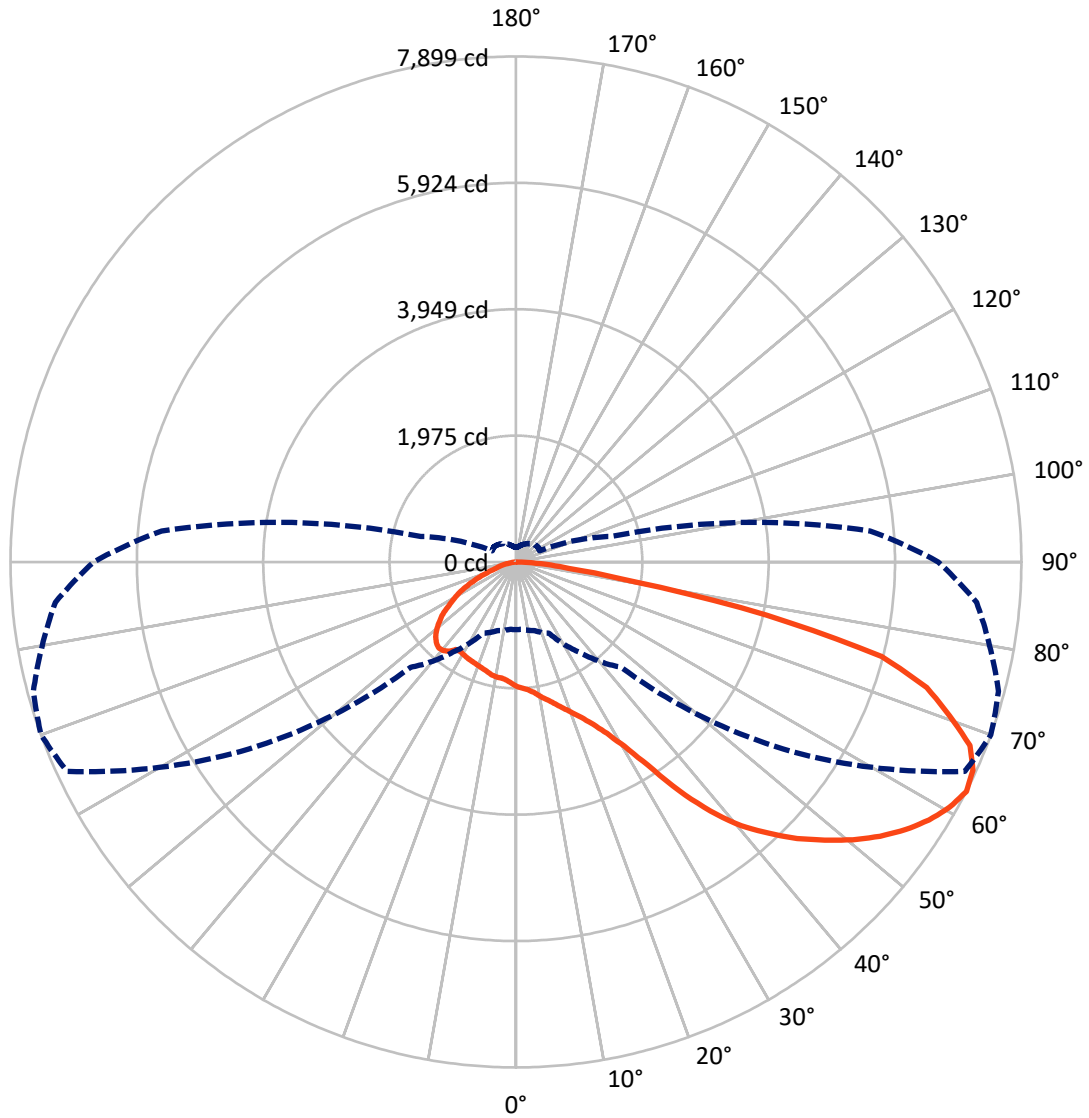
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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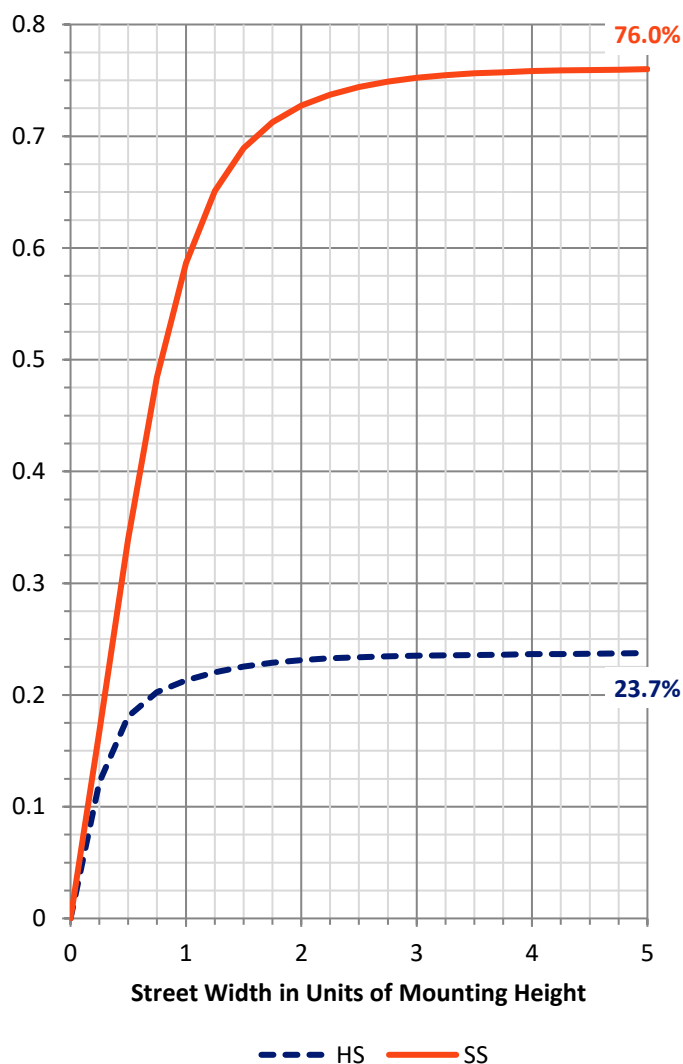
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2768.0	0.0	2768.0
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	8753.0	0.0	8753.0
	% Fixture	76.0	0.0	76.0
Total	Lumens	11521.0	0.0	11521.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	1.6
10°-20°	572.2	5.0
20°-30°	973.0	8.4
30°-40°	1471.1	12.8
40°-50°	2030.2	17.6
50°-60°	2370.7	20.6
60°-70°	2328.2	20.2
70°-80°	1397.7	12.1
80°-90°	191.5	1.7
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°	11521.0	100.0
0°-180°	11521.0	100.0

Coefficient of Utilization



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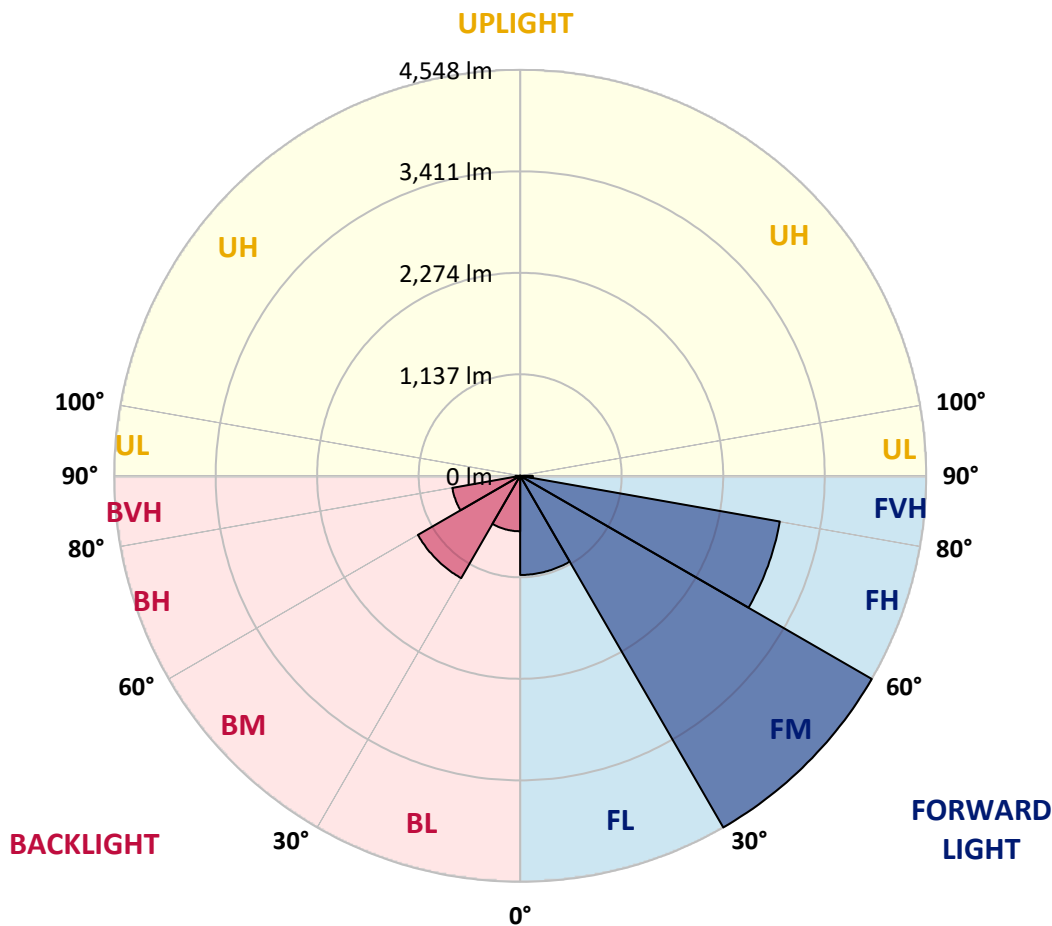
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.3	9.6			
FM (30°-60°)	4548.1	39.5			
FH (60°-80°)	2953.5	25.6			G2/5000
FVH (80°-90°)	141.1	1.2			G2/225
BL (0°-30°)	621.4	5.4	B2/1000		
BM (30°-60°)	1323.8	11.5	B2/2500		
BH (60°-80°)	772.4	6.7	B2/1000		G2/1000
BVH (80°-90°)	50.3	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5
2.5°	2060.3	2062.7	2048.3	2041.0	2031.4	2024.1	2004.8	1987.9	1975.9	1966.2	1946.9
5°	2176.1	2173.7	2159.2	2132.7	2115.8	2091.7	2050.7	2021.7	2004.8	1985.5	1946.9
7.5°	2291.9	2282.3	2267.8	2243.7	2222.0	2188.2	2144.8	2086.9	2062.7	2031.4	1971.1
10°	2388.4	2388.4	2383.6	2361.9	2337.8	2291.9	2248.5	2180.9	2139.9	2094.1	2007.2
12.5°	2484.9	2482.5	2468.0	2456.0	2431.8	2390.8	2340.2	2265.4	2212.3	2164.1	2045.8
15°	2583.8	2579.0	2562.1	2545.2	2511.5	2480.1	2429.4	2359.5	2301.6	2241.3	2091.7
17.5°	2687.6	2680.3	2658.6	2649.0	2610.4	2579.0	2538.0	2463.2	2402.9	2330.5	2156.8
20°	2764.8	2762.4	2743.1	2738.2	2718.9	2682.8	2651.4	2586.3	2513.9	2436.7	2231.6
22.5°	2825.1	2825.1	2820.3	2829.9	2837.2	2813.0	2772.0	2716.5	2639.3	2564.5	2328.1
25°	2868.5	2868.5	2885.4	2914.4	2955.4	2953.0	2933.7	2878.2	2813.0	2728.6	2451.1
27.5°	2883.0	2885.4	2909.5	2984.3	3076.0	3102.5	3092.9	3078.4	3032.6	2928.8	2620.0
30°	2883.0	2885.4	2936.1	3042.2	3189.4	3259.4	3288.3	3353.4	3339.0	3261.8	2907.1
32.5°	2842.0	2846.8	2911.9	3061.5	3266.6	3399.3	3505.4	3717.7	3780.5	3794.9	3437.9
35°	2692.4	2704.5	2810.6	3035.0	3329.3	3570.6	3785.3	4200.2	4388.4	4405.3	4004.8
37.5°	2562.1	2569.4	2714.1	2981.9	3367.9	3727.4	4086.9	4738.2	4940.9	4938.5	4443.9
40°	2439.1	2453.6	2591.1	2897.5	3363.1	3864.9	4393.2	5220.8	5423.4	5343.8	4813.0
42.5°	2299.2	2316.0	2448.7	2791.3	3331.7	3990.4	4690.0	5664.7	5794.9	5749.1	5179.7
45°	2149.6	2156.8	2294.3	2617.6	3259.4	4067.6	4974.7	6055.5	6164.1	6079.6	5505.4
47.5°	2014.5	2024.1	2139.9	2443.9	3121.8	4091.7	5225.6	6402.9	6494.6	6424.6	5797.4
50°	1601.9	1630.9	1971.1	2287.1	2919.2	4041.0	5462.0	6714.1	6822.7	6731.0	6103.7
52.5°	1382.4	1399.3	1534.4	2125.5	2649.0	3905.9	5628.5	7027.7	7121.8	7001.2	6369.1
55°	1293.1	1295.5	1375.2	1816.6	2427.0	3676.7	5727.4	7312.4	7384.8	7266.6	6634.5
57.5°	1213.5	1225.6	1295.5	1481.3	2212.3	3261.8	5732.2	7527.1	7609.2	7462.0	6851.6
60°	1124.2	1133.9	1213.5	1339.0	1966.2	2723.8	5532.0	7712.9	7785.3	7659.8	7066.3
62.5°	1054.3	1056.7	1109.8	1230.4	1720.1	2328.1	5095.3	7739.5	7898.7	7807.0	7225.6
65°	969.8	974.7	1027.7	1133.9	1519.9	2024.1	4603.1	7589.9	7848.0	7850.4	7312.4
67.5°	861.3	863.7	921.6	1027.7	1314.8	1790.1	3792.5	7435.5	7650.2	7691.2	7138.7
70°	716.5	731.0	781.7	883.0	1114.6	1515.1	2883.0	7003.6	7189.4	7295.5	6687.6
72.5°	542.8	566.9	629.7	735.8	895.1	1269.0	2026.5	6337.8	6711.7	6786.5	6026.5
75°	113.4	115.8	188.2	388.4	723.8	984.3	1389.6	4820.3	5903.5	6029.0	5121.8
77.5°	50.7	55.5	86.9	130.3	234.0	634.5	909.5	2528.3	4009.7	4706.9	4043.4
80°	38.6	41.0	70.0	103.7	144.8	190.6	448.7	1389.6	1862.5	2603.1	2721.4
82.5°	21.7	24.1	45.8	74.8	91.7	86.9	185.8	603.1	834.7	1056.7	1326.9
85°	12.1	14.5	26.5	41.0	38.6	43.4	82.0	320.9	475.3	627.3	670.7
87.5°	4.8	7.2	9.7	14.5	14.5	12.1	14.5	60.3	86.9	82.0	57.9
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°	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5	1944.5
2.5°	1937.3	1925.2	1905.9	1886.6	1869.7	1855.2	1840.8	1835.9	1833.5	1833.5	1843.2
5°	1927.6	1908.3	1869.7	1835.9	1802.2	1778.0	1758.7	1739.4	1739.4	1734.6	1734.6
7.5°	1939.7	1910.7	1852.8	1802.2	1758.7	1725.0	1703.3	1681.5	1669.5	1667.1	1667.1
10°	1963.8	1927.6	1855.2	1790.1	1734.6	1681.5	1647.8	1614.0	1594.7	1585.0	1587.5
12.5°	1987.9	1934.9	1845.6	1766.0	1691.2	1623.6	1565.7	1517.5	1495.8	1498.2	1498.2
15°	2012.1	1946.9	1821.5	1722.6	1630.9	1544.0	1486.1	1435.5	1404.1	1399.3	1406.5
17.5°	2060.3	1971.1	1811.8	1681.5	1568.2	1466.8	1411.3	1370.3	1312.4	1312.4	1307.6
20°	2118.2	2012.1	1814.2	1638.1	1503.0	1387.2	1322.1	1283.5	1232.8	1203.9	1196.6
22.5°	2193.0	2067.6	1819.1	1597.1	1433.1	1305.2	1218.3	1170.1	1133.9	1092.9	1085.6
25°	2299.2	2135.1	1831.1	1556.1	1358.3	1211.1	1100.1	1037.4	996.4	950.5	948.1
27.5°	2417.4	2212.3	1843.2	1515.1	1271.4	1092.9	953.0	883.0	849.2	827.5	820.3
30°	2615.2	2340.2	1860.1	1466.8	1167.7	938.5	801.0	757.5	731.0	682.8	692.4
32.5°	3112.2	2675.5	1879.4	1411.3	1061.5	801.0	699.6	646.6	598.3	562.1	559.7
35°	3592.3	3107.4	1973.5	1348.6	931.2	670.7	605.5	530.8	472.9	456.0	456.0
37.5°	4014.5	3466.8	2202.7	1290.7	803.4	600.7	504.2	446.3	410.1	386.0	415.0
40°	4388.4	3828.7	2373.9	1208.7	665.9	516.3	405.3	386.0	364.3	359.5	361.9
42.5°	4718.9	4113.4	2506.6	1104.9	566.9	422.2	352.2	369.1	366.7	364.3	354.6
45°	5044.6	4398.1	2591.1	955.4	484.9	359.5	347.4	373.9	376.4	376.4	366.7
47.5°	5322.1	4641.7	2644.2	786.5	415.0	357.1	357.1	361.9	376.4	381.2	376.4
50°	5601.9	4863.7	2641.7	612.8	410.1	373.9	361.9	349.8	361.9	349.8	347.4
52.5°	5874.6	5059.1	2538.0	499.4	424.6	395.7	364.3	342.6	323.3	323.3	313.6
55°	6096.5	5223.2	2337.8	468.0	439.1	407.7	366.7	335.3	308.8	287.1	299.2
57.5°	6299.2	5384.8	2041.0	456.0	439.1	405.3	366.7	328.1	296.7	265.4	250.9
60°	6487.3	5522.3	1787.7	434.3	436.7	395.7	357.1	318.5	275.0	243.7	234.0
62.5°	6598.3	5558.5	1539.2	410.1	417.4	386.0	349.8	308.8	265.4	231.6	226.8
65°	6571.8	5457.2	1237.6	383.6	400.5	373.9	337.8	291.9	248.5	214.7	205.1
67.5°	6316.0	5066.3	950.5	345.0	373.9	357.1	318.5	238.8	144.8	118.2	120.6
70°	5753.9	4557.3	673.1	294.3	328.1	323.3	243.7	161.6	115.8	91.7	98.9
72.5°	5092.9	3942.1	465.6	231.6	248.5	226.8	185.8	139.9	98.9	77.2	77.2
75°	4241.3	3158.0	349.8	188.2	130.3	156.8	159.2	123.0	98.9	115.8	127.9
77.5°	3310.0	2335.3	277.4	149.6	57.9	86.9	115.8	103.7	176.1	183.4	171.3
80°	2222.0	1577.8	217.1	50.7	31.4	36.2	70.0	142.3	147.2	82.0	77.2
82.5°	1230.4	822.7	91.7	29.0	16.9	19.3	36.2	185.8	96.5	74.8	72.4
85°	566.9	347.4	33.8	14.5	9.7	9.7	9.7	31.4	19.3	14.5	19.3
87.5°	43.4	26.5	7.2	4.8	4.8	2.4	0.0	2.4	2.4	2.4	2.4
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)