

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: P511170

Luminaire Tested: **PRV-P-PA1B-8540-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511170
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-PA1B-8540-U-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5752.7 lumens
Efficiency: N/A
Efficacy: 109.0 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): 52.8
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: 28.75 FT



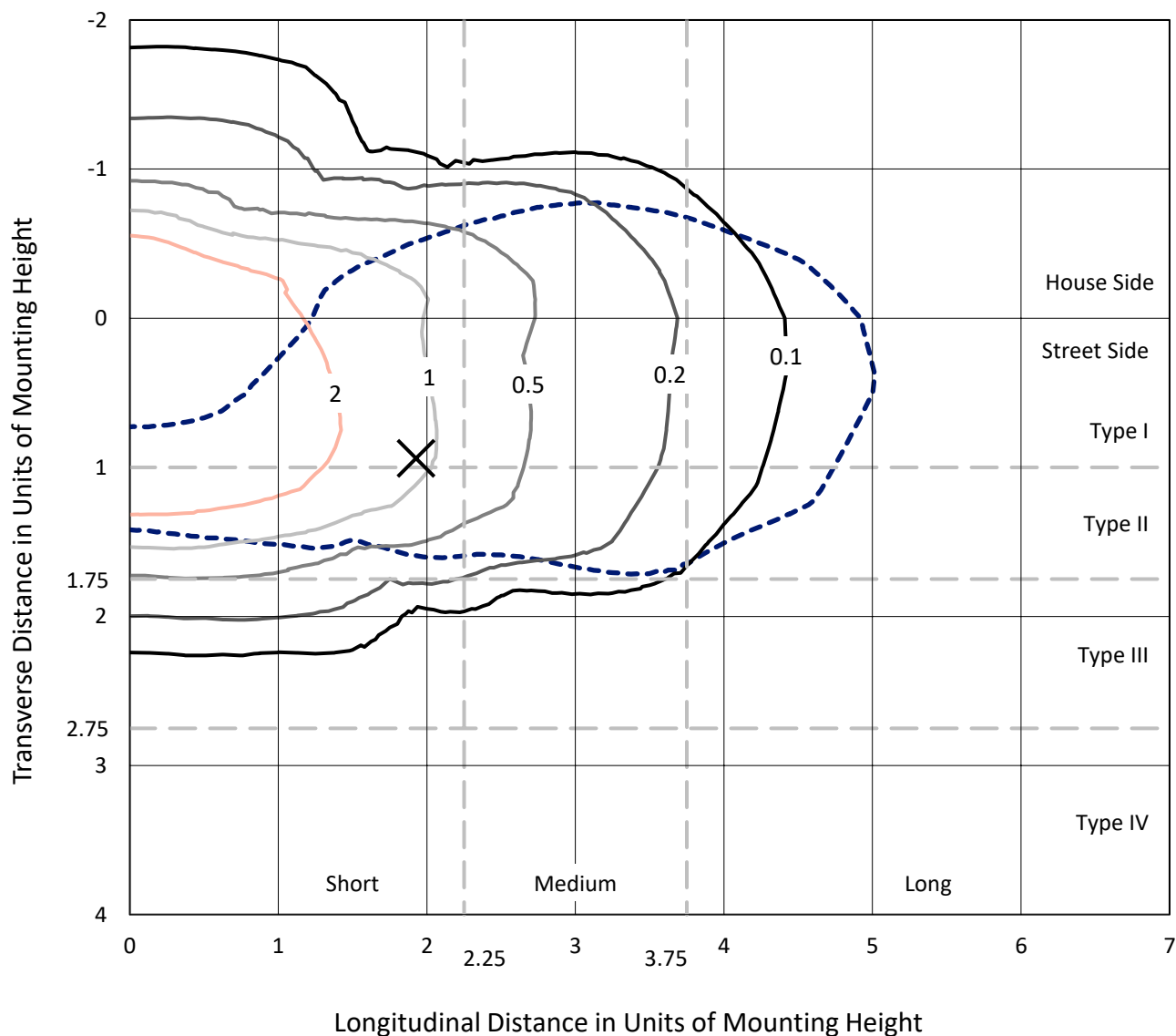
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

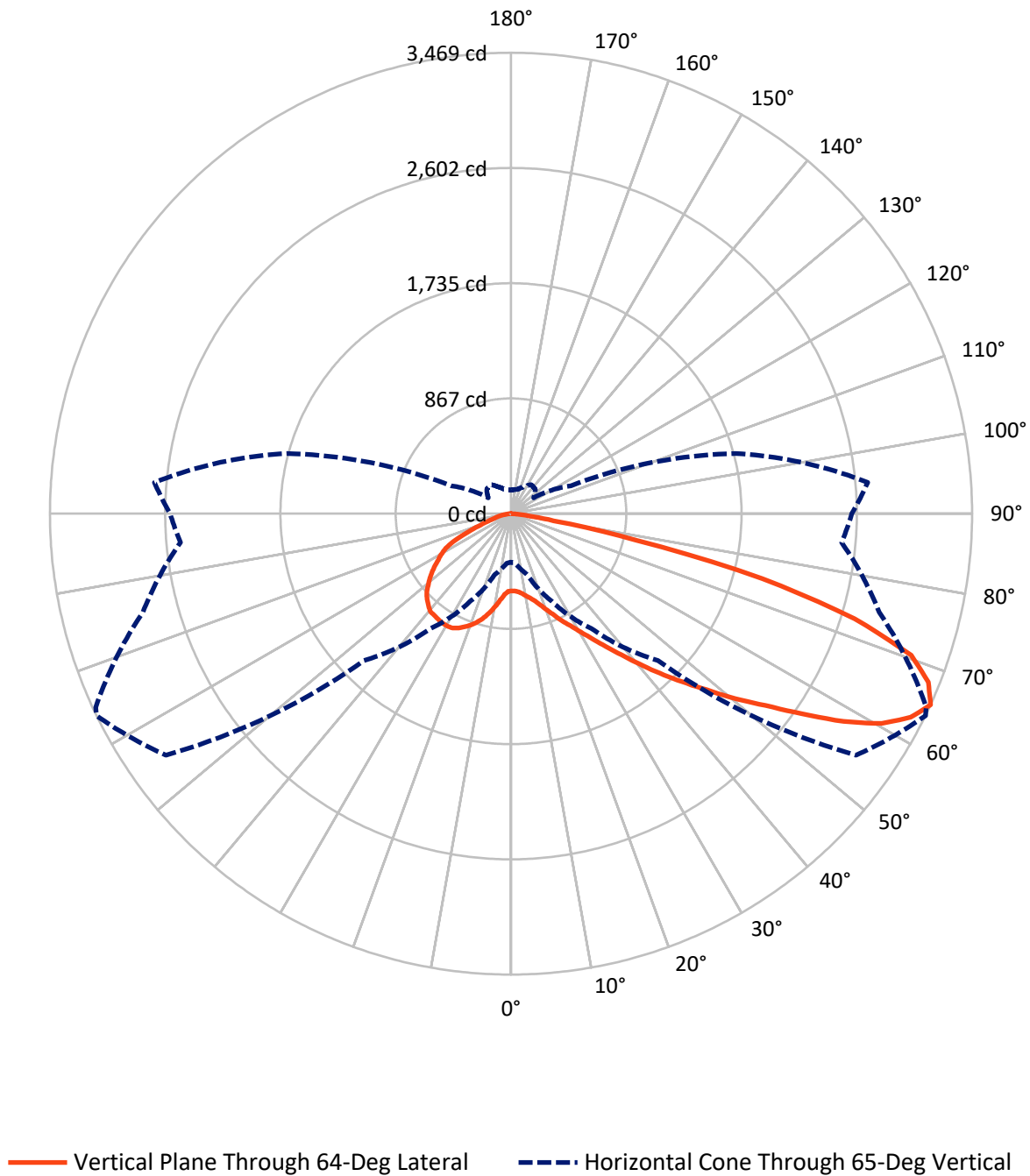


Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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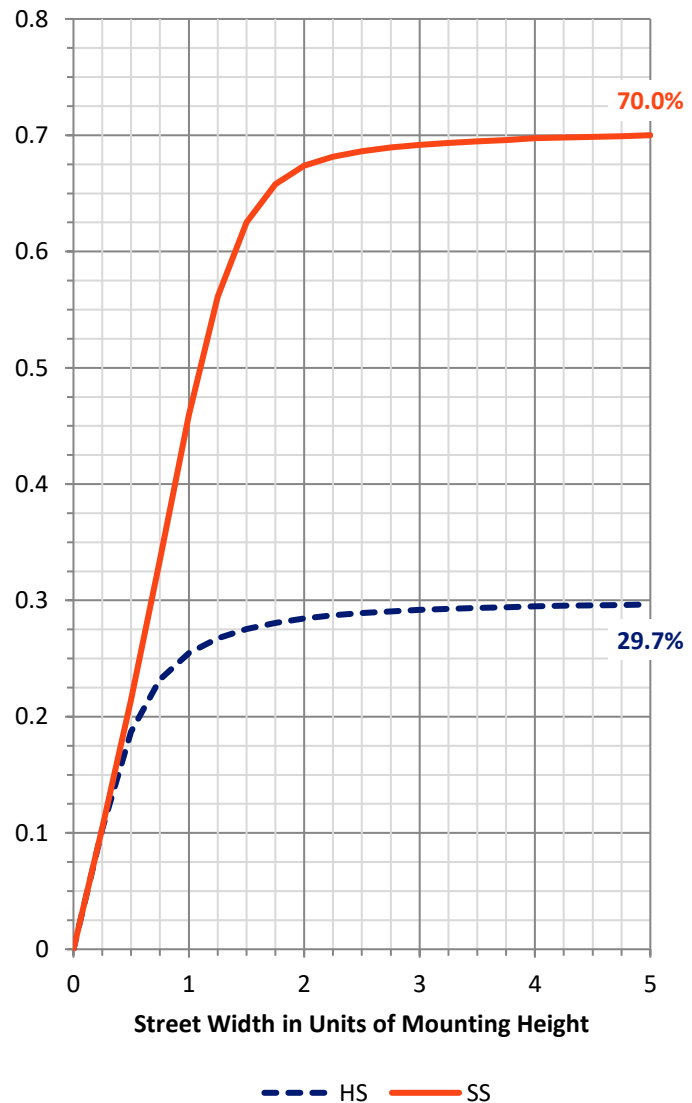
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1719.0	0.0	1719.0
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	4033.7	0.0	4033.7
	% Fixture	70.1	0.0	70.1
Total	Lumens	5752.7	0.0	5752.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	1.0
10°-20°	208.2	3.6
20°-30°	403.0	7.0
30°-40°	644.4	11.2
40°-50°	1032.9	18.0
50°-60°	1353.3	23.5
60°-70°	1229.5	21.4
70°-80°	734.3	12.8
80°-90°	87.1	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°	5752.7	100.0
0°-180°	5752.7	100.0

Coefficient of Utilization



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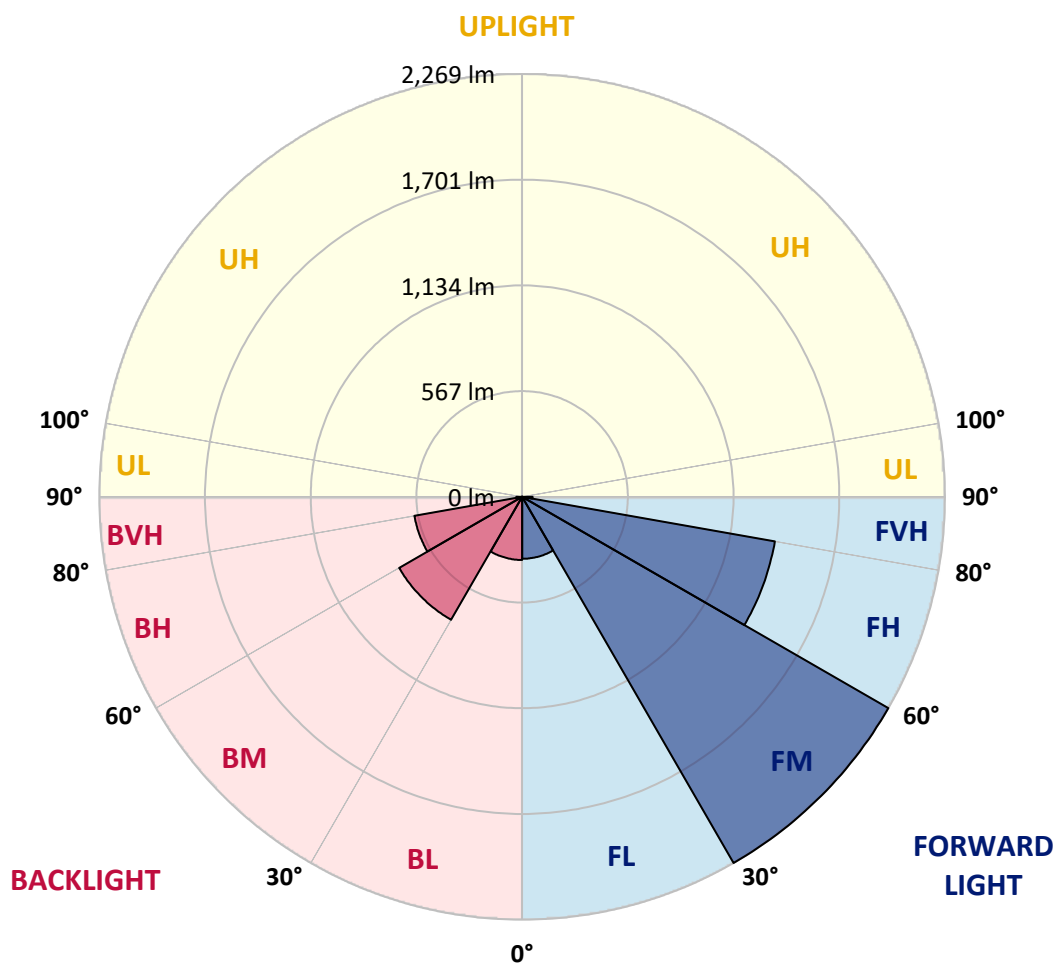
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.3	5.8			
FM	(30°-60°)	2268.6	39.4			
FH	(60°-80°)	1376.9	23.9			G1/1800
FVH	(80°-90°)	55.8	1.0			G1/100
BL	(0°-30°)	338.8	5.9	B1/500		
BM	(30°-60°)	762.0	13.2	B1/1000		
BH	(60°-80°)	587.0	10.2	B2/1000		G2/1000
BVH	(80°-90°)	31.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	582.2	581.0	584.8	584.8	584.8	583.5	582.2	583.5	583.5	582.2	583.5
5°	579.7	579.7	583.5	588.7	588.7	592.5	589.9	591.2	592.5	593.7	593.7
7.5°	563.1	566.9	570.7	578.4	586.1	596.3	602.7	607.8	609.1	614.3	618.1
10°	572.0	570.7	577.1	582.2	589.9	606.5	616.8	630.9	628.3	642.4	648.8
12.5°	588.7	588.7	593.7	602.7	612.9	628.3	636.0	652.6	653.9	666.7	679.5
15°	609.1	609.1	618.1	628.3	643.6	664.1	674.4	682.1	688.4	698.7	711.5
17.5°	646.2	651.3	652.6	662.9	675.7	701.3	717.9	724.3	724.3	733.2	744.7
20°	716.6	726.9	717.9	716.6	719.2	746.0	762.6	774.2	772.9	775.5	776.7
22.5°	812.6	818.9	810.0	799.8	784.4	801.1	816.4	829.2	821.5	821.5	810.0
25°	938.0	930.3	922.6	893.2	865.1	858.6	880.4	895.8	891.9	872.7	847.1
27.5°	1068.5	1058.2	1040.4	1008.3	962.3	938.0	943.1	955.9	961.0	929.0	888.1
30°	1193.9	1196.4	1174.7	1129.9	1071.1	1030.1	1023.7	1032.7	1030.1	987.9	929.0
32.5°	1371.7	1355.1	1337.2	1275.8	1188.8	1140.1	1119.7	1120.9	1120.9	1058.2	976.4
35°	1571.4	1574.0	1521.5	1435.8	1329.5	1261.7	1229.7	1227.2	1220.8	1150.4	1044.2
37.5°	1856.7	1838.9	1774.8	1657.1	1506.1	1410.2	1355.1	1347.5	1341.0	1255.3	1129.9
40°	2105.0	2107.5	2041.0	1920.7	1727.5	1568.8	1502.3	1488.2	1485.7	1370.5	1228.4
42.5°	2271.3	2262.4	2259.8	2189.4	2000.1	1828.6	1682.7	1641.8	1622.6	1508.7	1346.2
45°	2349.4	2353.2	2364.7	2377.6	2289.3	2125.5	1913.0	1803.0	1786.3	1649.5	1474.2
47.5°	2395.5	2404.4	2440.3	2478.7	2518.3	2459.5	2151.1	1980.9	1966.8	1796.6	1605.9
50°	2367.3	2360.9	2446.6	2554.1	2680.8	2796.0	2424.9	2188.2	2170.2	1975.7	1753.1
52.5°	2071.7	2102.4	2291.8	2532.4	2783.2	3007.1	2737.1	2396.8	2381.4	2144.6	1884.9
55°	1673.7	1696.8	1895.2	2276.5	2792.2	3141.5	2979.0	2657.8	2637.3	2313.6	2035.9
57.5°	1269.4	1329.5	1550.9	1852.9	2527.3	3164.6	3165.8	2950.8	2881.8	2481.2	2171.6
60°	852.2	876.6	1149.1	1440.9	2029.5	2956.0	3260.5	3205.5	3150.5	2643.7	2296.9
62.5°	577.1	582.2	746.0	1089.0	1501.0	2463.3	3265.7	3375.7	3319.4	2775.5	2399.3
65°	364.7	374.9	474.7	729.4	1055.7	1563.7	3169.7	3469.1	3447.3	2867.7	2496.6
67.5°	277.7	280.2	323.8	441.5	738.4	940.5	2741.0	3385.9	3392.3	2935.5	2542.6
70°	236.7	240.5	276.4	305.8	508.0	505.4	1757.0	3193.9	3217.0	2959.8	2568.2
72.5°	188.1	194.5	234.2	281.5	372.4	344.2	751.1	2703.9	2773.0	2879.2	2549.1
75°	138.2	142.0	176.6	229.0	291.7	264.9	298.2	1952.7	2134.5	2526.0	2424.9
77.5°	98.5	104.9	131.8	170.2	264.9	191.9	185.6	962.3	1156.8	1919.4	2084.5
80°	69.1	67.8	88.3	115.2	165.1	143.3	110.0	325.0	417.2	1099.2	1356.4
82.5°	34.5	35.9	51.2	71.6	93.4	113.9	61.4	129.3	149.7	451.7	506.8
85°	15.3	15.3	21.8	25.6	42.2	42.2	29.4	47.4	52.5	124.1	46.0
87.5°	0.0	1.3	1.3	2.6	2.6	3.8	5.1	6.4	7.7	7.7	6.4
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°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	584.8	584.8	584.8	584.8	588.7	591.2	595.0	597.6	596.3	597.6	597.6
5°	596.3	597.6	602.7	609.1	618.1	625.8	638.5	641.1	647.5	645.0	651.3
7.5°	620.6	627.0	636.0	651.3	668.0	682.1	693.6	701.3	706.3	710.2	706.3
10°	656.5	664.1	682.1	703.8	724.3	743.5	751.1	758.8	757.6	753.7	752.5
12.5°	688.4	698.7	726.9	753.7	780.6	795.9	789.5	780.6	772.9	767.8	766.5
15°	721.7	735.8	766.5	804.9	826.6	825.4	807.4	793.3	792.1	789.5	787.0
17.5°	755.0	772.9	812.6	848.4	862.5	839.5	821.5	815.1	817.7	815.1	813.9
20°	785.7	802.3	848.4	886.8	880.4	849.7	838.1	833.0	826.6	822.8	820.3
22.5°	815.1	833.0	885.5	920.0	898.3	858.6	844.5	826.6	820.3	812.6	810.0
25°	843.3	863.7	916.2	950.8	898.3	854.8	825.4	802.3	788.2	780.6	780.6
27.5°	884.2	898.3	947.0	975.1	888.1	833.0	780.6	748.5	726.9	725.5	725.5
30°	914.9	922.6	972.5	984.1	865.1	783.2	716.6	669.2	646.2	639.8	638.5
32.5°	955.9	953.3	994.3	986.6	835.6	720.4	632.1	578.4	549.0	540.0	534.9
35°	1007.1	1003.3	1039.0	984.1	794.7	646.2	538.7	477.3	456.8	441.5	442.8
37.5°	1090.2	1064.6	1108.2	982.7	739.6	549.0	440.2	403.1	376.2	360.9	362.1
40°	1177.2	1140.1	1186.2	985.3	675.7	453.0	373.6	346.8	321.2	298.2	300.8
42.5°	1283.5	1238.7	1269.4	964.8	600.2	377.5	332.7	313.5	291.7	275.1	277.7
45°	1402.5	1338.5	1347.5	944.4	514.4	336.5	319.9	305.8	286.7	264.9	266.1
47.5°	1533.0	1460.1	1406.3	912.4	446.6	327.6	331.4	309.7	267.5	240.5	240.5
50°	1663.6	1590.6	1455.0	862.5	403.1	349.4	330.1	277.7	244.4	227.8	225.2
52.5°	1797.9	1750.6	1483.1	812.6	390.3	348.0	303.3	262.3	234.2	215.0	212.4
55°	1947.6	1923.3	1525.4	757.6	353.2	335.3	290.5	250.8	220.1	204.8	200.9
57.5°	2088.3	2121.6	1565.0	698.7	302.0	305.8	276.4	241.9	215.0	203.4	200.9
60°	2249.6	2322.5	1617.4	651.3	261.1	284.1	271.3	247.0	220.1	206.0	203.4
62.5°	2390.3	2513.2	1684.0	592.5	232.9	271.3	273.8	240.5	211.2	198.3	194.5
65°	2564.4	2693.6	1749.3	497.8	208.6	258.5	266.1	221.4	189.4	180.4	176.6
67.5°	2688.5	2804.9	1783.8	362.1	185.6	232.9	243.1	197.1	163.8	158.6	156.1
70°	2760.2	2778.1	1765.9	252.1	161.2	197.1	216.3	172.7	144.6	140.8	136.9
72.5°	2707.7	2596.3	1638.0	175.3	139.5	168.9	188.1	154.8	121.6	116.4	113.9
75°	2492.8	2250.9	1315.4	129.3	121.6	143.3	158.6	130.5	97.2	88.3	87.0
77.5°	2025.7	1717.3	849.7	102.3	101.1	116.4	126.7	102.3	74.2	70.4	66.6
80°	1231.0	1049.3	360.9	76.8	76.8	84.5	93.4	80.6	56.3	48.6	47.4
82.5°	462.0	359.6	119.0	49.9	48.6	60.1	73.0	55.0	32.0	26.9	24.4
85°	34.5	42.2	43.5	24.4	21.8	24.4	29.4	15.3	8.9	6.4	6.4
87.5°	5.1	5.1	5.1	3.8	2.6	1.3	1.3	1.3	1.3	1.3	1.3
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)