

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: INVUE

Report Number: P147675

Luminaire Tested: **VXM-F06-LED-E1-5WQ**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P147675  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-F06-LED-E1-5WQ  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15769.8 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G2

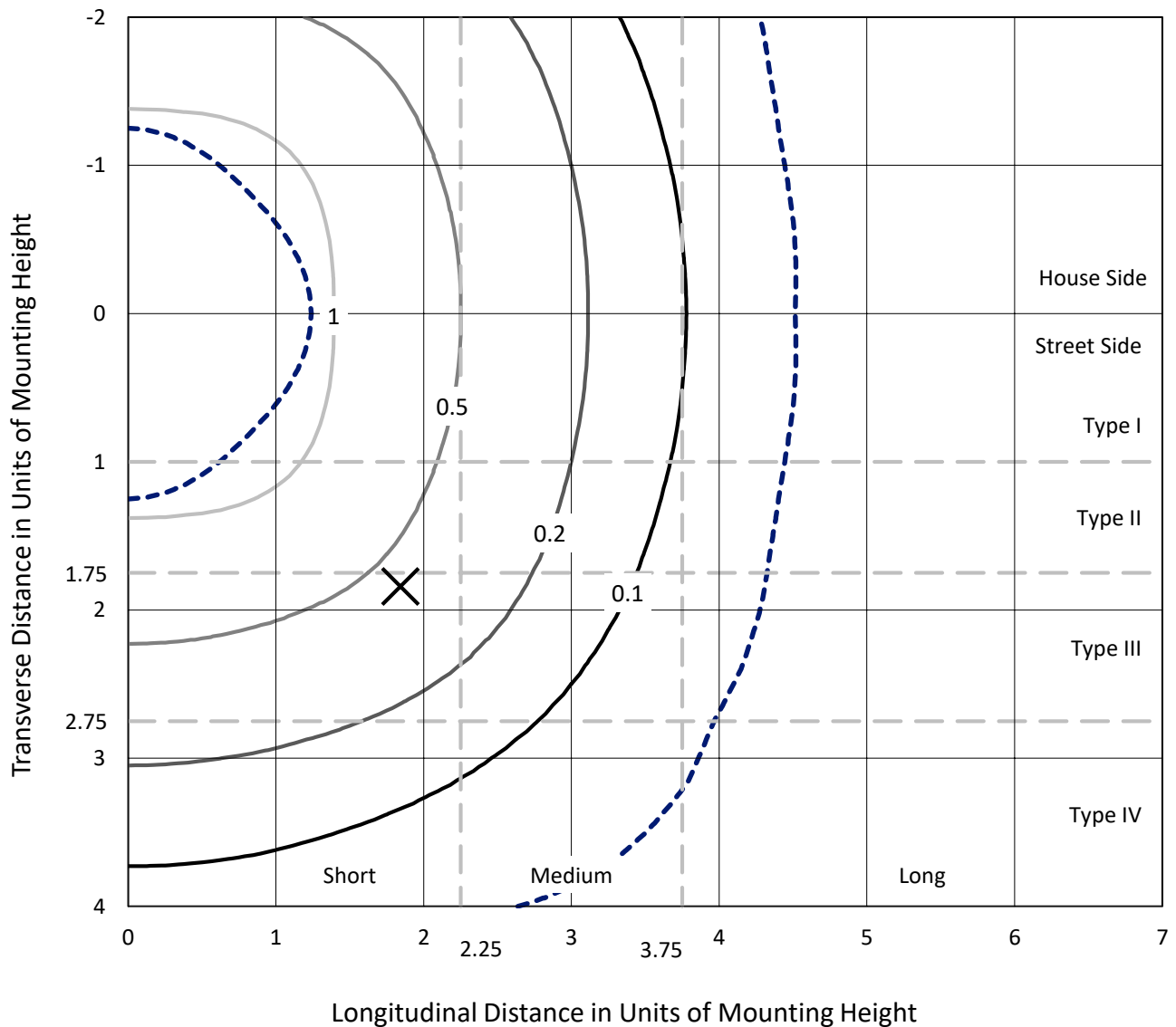
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

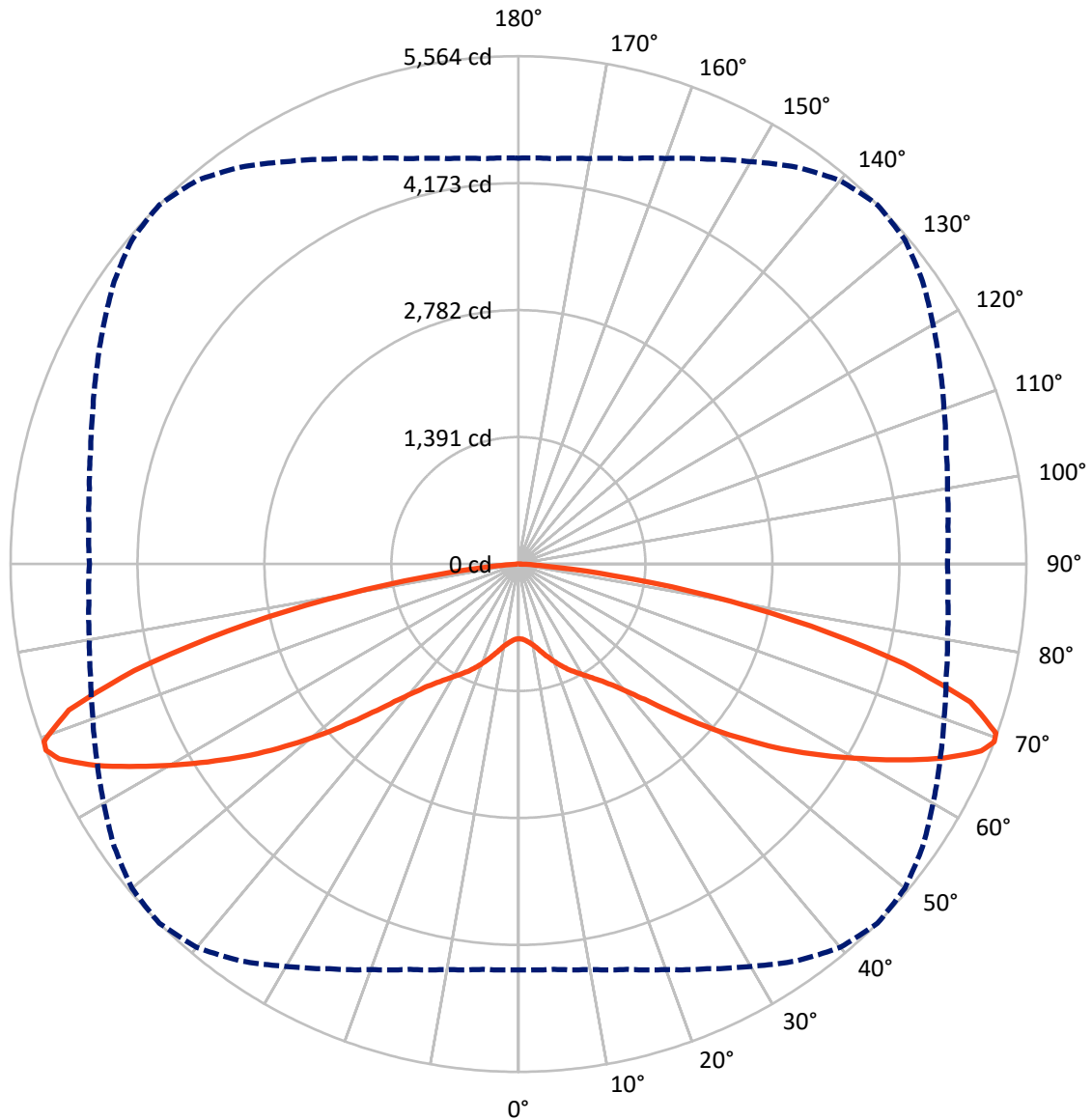
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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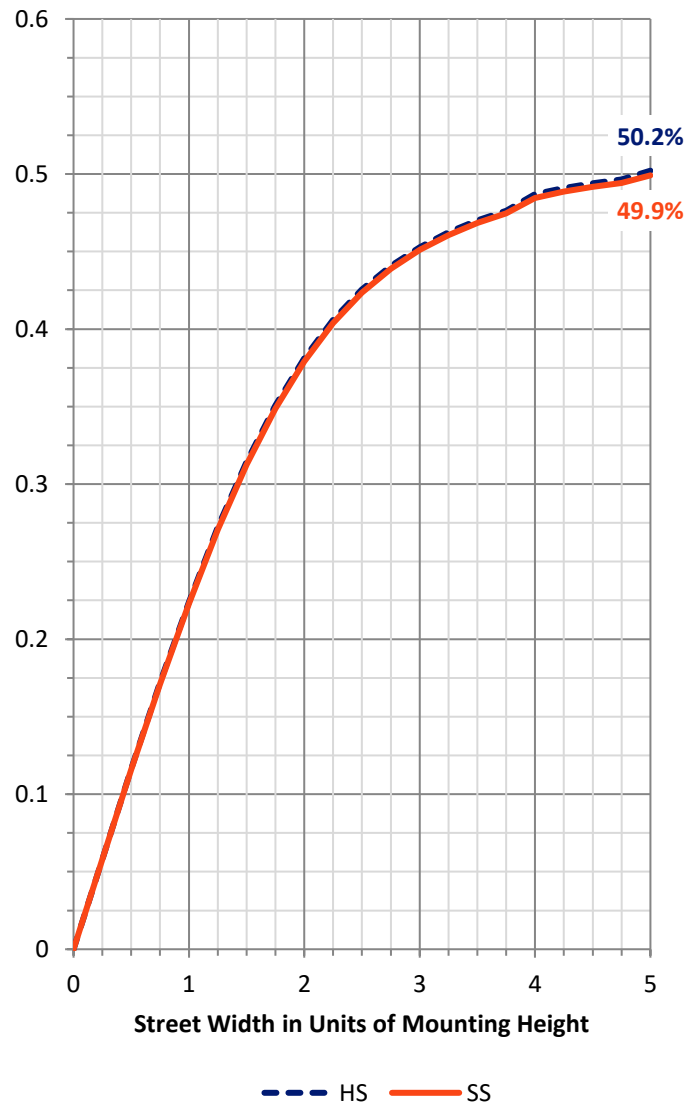
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7884.9	0.0	7884.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7884.9	0.0	7884.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15769.8	0.0	15769.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	0.5
10°-20°	290.4	1.8
20°-30°	588.0	3.7
30°-40°	985.8	6.3
40°-50°	1738.8	11.0
50°-60°	3066.3	19.4
60°-70°	4681.4	29.7
70°-80°	3911.8	24.8
80°-90°	425.1	2.7
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°	15769.8	100.0
0°-180°	15769.8	100.0



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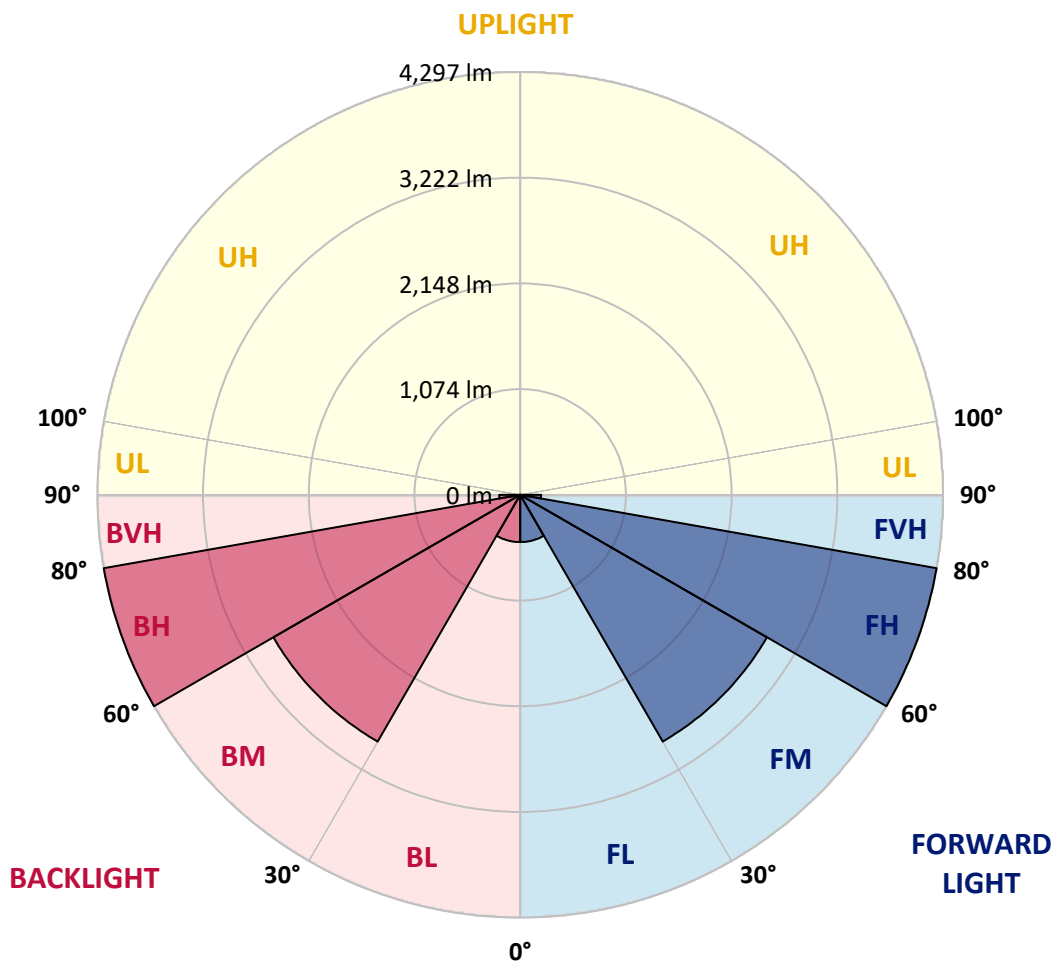
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	480.3	3.0			
FM	(30°-60°)	2895.5	18.4			
FH	(60°-80°)	4296.6	27.2			G2/5000
FVH	(80°-90°)	212.5	1.3			G2/225
BL	(0°-30°)	480.3	3.0	B1/500		
BM	(30°-60°)	2895.5	18.4	B3/5000		
BH	(60°-80°)	4296.6	27.2	B4/5000		G2/5000
BVH	(80°-90°)	212.5	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	818.9	818.9	818.9	818.9	818.9	818.9	818.9	818.9	818.9	818.9	818.9
2.5°	825.5	827.2	825.5	825.5	825.5	825.5	825.5	823.9	823.9	823.9	825.5
5°	842.0	843.7	842.0	843.7	843.7	843.7	843.7	842.0	842.0	842.0	842.0
7.5°	868.5	868.5	868.5	870.1	868.5	868.5	870.1	868.5	868.5	868.5	868.5
10°	906.4	904.8	904.8	904.8	904.8	904.8	906.4	906.4	906.4	904.8	904.8
12.5°	952.7	951.0	952.7	952.7	954.3	954.3	954.3	954.3	954.3	954.3	952.7
15°	1008.8	1008.8	1008.8	1010.4	1013.7	1013.7	1012.1	1013.7	1013.7	1013.7	1013.7
17.5°	1071.5	1074.8	1071.5	1073.2	1074.8	1073.2	1076.5	1078.1	1079.8	1078.1	1073.2
20°	1135.9	1137.6	1137.6	1137.6	1137.6	1140.9	1142.5	1142.5	1147.5	1145.8	1144.2
22.5°	1197.0	1200.3	1200.3	1202.0	1202.0	1206.9	1206.9	1206.9	1210.2	1213.5	1210.2
25°	1261.4	1259.8	1259.8	1263.1	1264.7	1271.3	1271.3	1274.6	1279.6	1281.2	1277.9
27.5°	1319.2	1317.5	1317.5	1322.5	1324.1	1332.4	1332.4	1339.0	1342.3	1344.0	1340.7
30°	1380.3	1380.3	1378.6	1383.6	1388.5	1395.1	1398.4	1405.0	1410.0	1411.6	1408.3
32.5°	1452.9	1449.6	1451.3	1454.6	1457.9	1464.5	1469.4	1477.7	1484.3	1485.9	1482.6
35°	1535.5	1530.5	1532.2	1535.5	1540.4	1550.3	1558.6	1563.5	1573.5	1576.8	1570.1
37.5°	1626.3	1627.9	1626.3	1634.5	1642.8	1654.4	1664.3	1670.9	1680.8	1685.7	1680.8
40°	1755.1	1750.1	1755.1	1763.3	1776.5	1791.4	1811.2	1816.2	1826.1	1836.0	1824.4
42.5°	1921.8	1918.5	1930.1	1936.7	1951.5	1968.1	1992.8	2006.0	2020.9	2027.5	2017.6
45°	2139.8	2139.8	2153.0	2154.6	2177.7	2199.2	2233.9	2250.4	2278.4	2278.4	2278.4
47.5°	2380.8	2390.7	2399.0	2415.5	2432.0	2471.6	2506.3	2542.6	2569.0	2572.3	2567.4
50°	2630.1	2640.0	2664.8	2687.9	2724.2	2773.8	2811.7	2859.6	2882.7	2902.5	2895.9
52.5°	2905.8	2907.5	2937.2	2966.9	3019.8	3074.3	3135.3	3184.9	3226.2	3244.3	3229.5
55°	3208.0	3211.3	3237.7	3269.1	3328.5	3391.3	3467.2	3518.4	3571.2	3604.2	3579.5
57.5°	3534.9	3536.5	3563.0	3600.9	3671.9	3734.7	3807.3	3880.0	3929.5	3959.2	3942.7
60°	3896.5	3904.7	3924.5	3972.4	4040.1	4106.2	4178.8	4243.2	4301.0	4332.4	4315.8
62.5°	4282.8	4291.1	4319.1	4357.1	4416.6	4489.2	4558.5	4641.1	4689.0	4723.7	4698.9
65°	4542.0	4556.9	4601.5	4652.7	4740.2	4834.3	4915.2	5027.4	5085.2	5126.5	5103.4
67.5°	4558.5	4566.8	4621.3	4698.9	4816.1	4958.1	5123.2	5298.2	5412.1	5466.6	5427.0
69°	4446.3	4457.8	4510.7	4598.2	4728.6	4893.7	5090.2	5308.1	5483.1	5564.0	5526.1
70°	4319.1	4343.9	4401.7	4497.5	4624.6	4798.0	5001.0	5233.8	5438.6	5549.2	5521.1
72.5°	4051.7	4058.3	4096.3	4172.2	4269.6	4413.3	4604.8	4824.4	5019.2	5177.7	5200.8
75°	3596.0	3617.5	3645.5	3696.7	3746.2	3850.2	3979.0	4129.3	4243.2	4365.4	4370.3
77.5°	2717.6	2782.0	2803.5	2815.0	2836.5	2919.1	3031.3	3161.8	3255.9	3275.7	3272.4
80°	1220.1	1306.0	1325.8	1419.9	1477.7	1614.7	1786.4	1986.2	2119.9	2134.8	2098.5
82.5°	239.4	255.9	298.8	373.1	508.5	589.4	701.7	842.0	970.8	1045.1	1000.5
85°	79.3	84.2	97.4	107.3	123.8	140.3	170.1	211.3	262.5	290.6	259.2
87.5°	31.4	31.4	36.3	39.6	42.9	42.9	42.9	39.6	38.0	31.4	28.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	818.9	818.9	818.9	818.9	818.9	818.9	818.9	818.9
2.5°	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9
5°	842.0	840.4	840.4	838.7	838.7	838.7	838.7	838.7
7.5°	866.8	865.2	863.5	865.2	863.5	863.5	863.5	863.5
10°	904.8	901.5	899.8	898.2	898.2	898.2	896.5	896.5
12.5°	949.4	949.4	947.7	946.1	942.7	944.4	942.7	939.4
15°	1010.4	1007.1	1005.5	1003.8	1000.5	1000.5	1000.5	998.9
17.5°	1071.5	1068.2	1068.2	1063.3	1061.6	1061.6	1061.6	1063.3
20°	1139.2	1134.3	1131.0	1127.7	1124.4	1126.0	1122.7	1126.0
22.5°	1206.9	1200.3	1197.0	1192.1	1187.1	1187.1	1185.5	1182.2
25°	1273.0	1264.7	1261.4	1256.4	1249.8	1249.8	1246.5	1243.2
27.5°	1335.7	1327.4	1324.1	1314.2	1307.6	1306.0	1302.7	1301.0
30°	1405.0	1395.1	1390.2	1380.3	1370.4	1368.7	1363.8	1363.8
32.5°	1477.7	1467.8	1464.5	1449.6	1441.4	1441.4	1438.1	1434.8
35°	1568.5	1553.6	1550.3	1535.5	1523.9	1523.9	1520.6	1522.3
37.5°	1675.8	1664.3	1652.7	1641.1	1627.9	1626.3	1623.0	1619.7
40°	1819.5	1806.2	1793.0	1776.5	1765.0	1761.7	1756.7	1755.1
42.5°	2011.0	1997.8	1971.4	1958.1	1946.6	1936.7	1935.0	1933.4
45°	2255.3	2238.8	2220.7	2195.9	2181.0	2159.6	2156.3	2148.0
47.5°	2549.2	2517.9	2486.5	2465.0	2441.9	2417.1	2412.2	2399.0
50°	2861.3	2836.5	2783.7	2749.0	2712.7	2687.9	2671.4	2666.4
52.5°	3196.4	3150.2	3097.4	3051.1	2998.3	2965.3	2935.6	2927.3
55°	3546.5	3480.4	3414.4	3359.9	3307.1	3267.4	3239.4	3226.2
57.5°	3896.5	3823.8	3751.2	3691.7	3647.2	3596.0	3567.9	3561.3
60°	4261.4	4192.0	4117.7	4058.3	4003.8	3959.2	3942.7	3911.3
62.5°	4647.7	4575.1	4505.7	4447.9	4378.6	4347.2	4319.1	4301.0
65°	5027.4	4943.2	4855.7	4794.6	4725.3	4680.7	4646.1	4621.3
67.5°	5321.3	5194.2	5077.0	4974.6	4880.5	4811.2	4766.6	4743.5
69°	5403.9	5245.4	5095.1	4961.4	4850.8	4773.2	4723.7	4700.5
70°	5394.0	5219.0	5053.9	4906.9	4786.4	4703.8	4656.0	4613.0
72.5°	5088.5	4928.4	4745.1	4585.0	4476.0	4396.7	4348.9	4325.8
75°	4342.3	4234.9	4102.9	3979.0	3899.8	3853.6	3794.1	3795.8
77.5°	3161.8	3165.1	3075.9	2948.8	2859.6	2843.1	2816.7	2790.3
80°	1961.4	1804.6	1702.2	1565.2	1464.5	1377.0	1339.0	1256.4
82.5°	904.8	706.6	548.1	414.4	318.7	249.3	217.9	178.3
85°	201.4	153.5	127.1	102.4	87.5	80.9	66.0	61.1
87.5°	28.1	24.8	23.1	21.5	18.2	13.2	9.9	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)