

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: P147215

Luminaire Tested: **VXS-F06-LED-E1-5MQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147215
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15967.8 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full 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



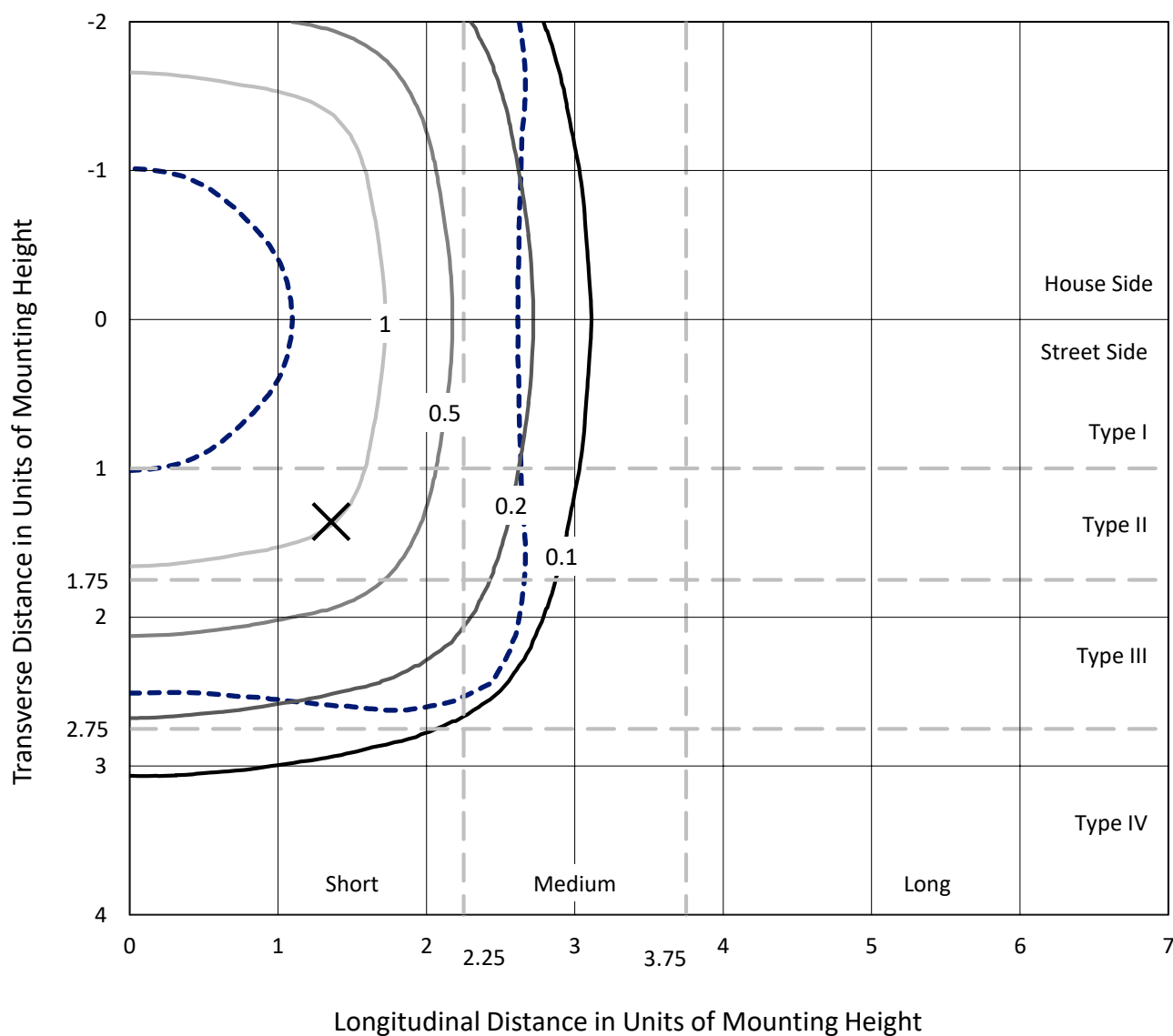
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

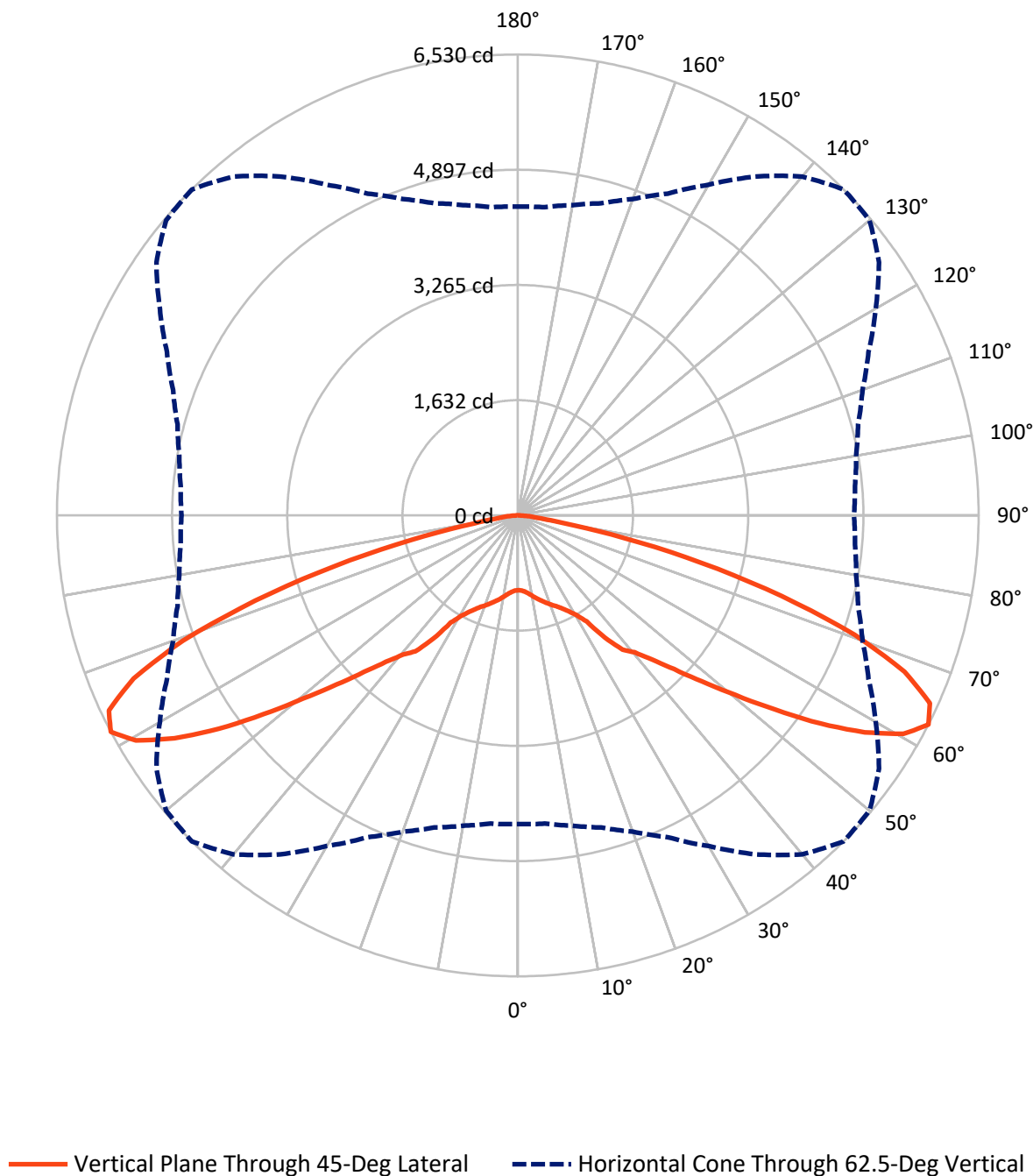


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7983.9	0.0	7983.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7983.9	0.0	7983.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15967.8	0.0	15967.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	0.7
10°-20°	359.1	2.2
20°-30°	694.3	4.3
30°-40°	1344.2	8.4
40°-50°	2427.2	15.2
50°-60°	4220.4	26.4
60°-70°	4791.3	30.0
70°-80°	1857.6	11.6
80°-90°	167.6	1.0
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°	15967.8	100.0
0°-180°	15967.8	100.0

Coefficient of Utilization



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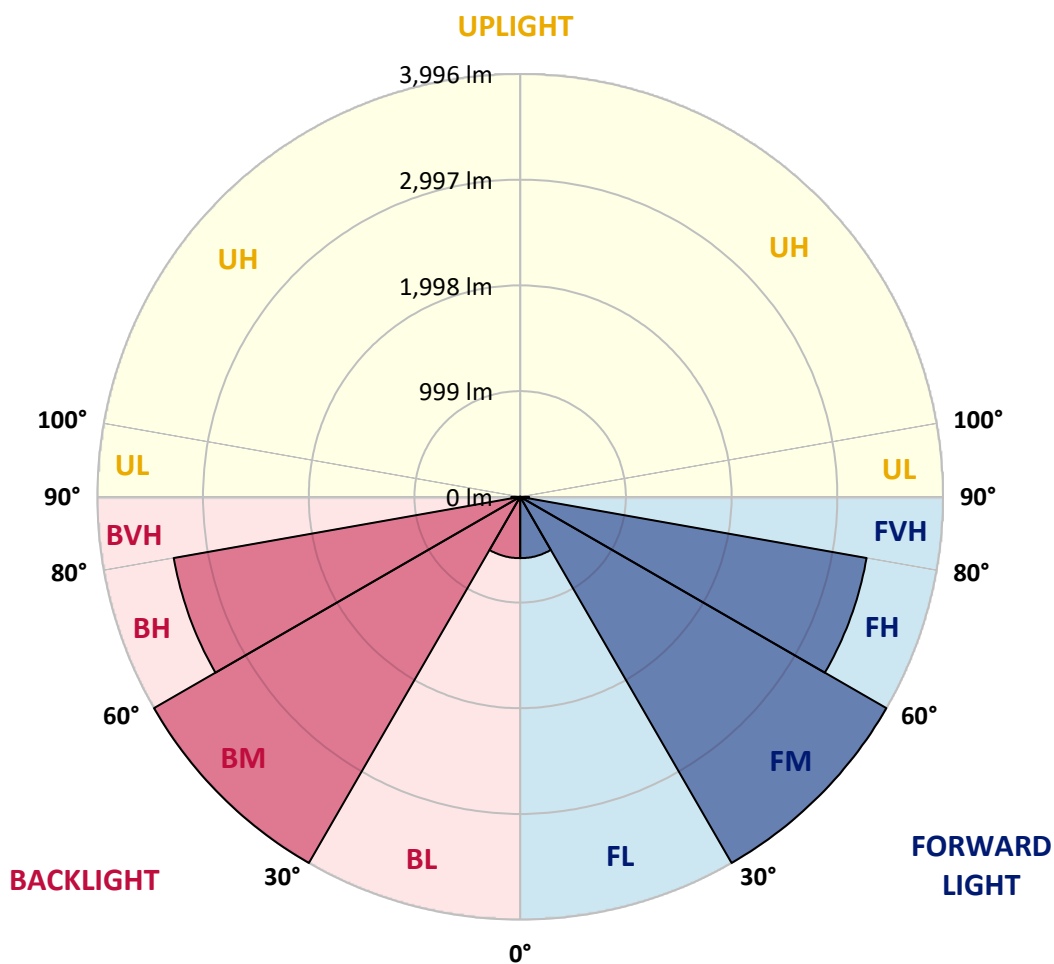
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	579.8	3.6			
FM	(30°-60°)	3995.9	25.0			
FH	(60°-80°)	3324.4	20.8			G2/5000
FVH	(80°-90°)	83.8	0.5			G1/100
BL	(0°-30°)	579.8	3.6	B2/1000		
BM	(30°-60°)	3995.9	25.0	B3/5000		
BH	(60°-80°)	3324.4	20.8	B4/5000		G2/5000
BVH	(80°-90°)	83.8	0.5			G1/100
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°	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0
2.5°	1066.5	1069.8	1069.0	1067.4	1067.4	1067.4	1066.5	1064.0	1063.3	1065.0	1066.5
5°	1091.4	1091.4	1091.4	1091.4	1089.7	1089.7	1088.1	1086.4	1087.3	1085.6	1084.8
7.5°	1129.3	1126.8	1126.8	1126.0	1126.0	1124.4	1121.9	1118.5	1119.4	1118.5	1117.7
10°	1173.9	1174.7	1172.2	1174.7	1170.6	1169.7	1166.4	1164.8	1163.9	1161.5	1161.5
12.5°	1227.6	1225.1	1225.1	1223.4	1221.9	1220.1	1215.1	1214.3	1211.0	1209.3	1206.8
15°	1277.9	1277.1	1273.8	1270.5	1269.6	1268.0	1262.2	1258.9	1258.0	1253.9	1250.7
17.5°	1328.3	1326.6	1322.5	1320.8	1317.5	1315.0	1310.1	1305.1	1302.7	1301.0	1296.9
20°	1382.0	1380.3	1376.2	1372.8	1368.7	1365.4	1357.9	1353.8	1351.4	1348.9	1345.6
22.5°	1448.8	1445.5	1439.0	1433.2	1424.0	1420.7	1410.8	1405.0	1400.9	1397.6	1396.0
25°	1521.5	1522.3	1513.2	1505.8	1495.0	1485.9	1473.6	1466.9	1462.8	1459.5	1458.7
27.5°	1612.2	1613.1	1604.8	1594.1	1577.6	1567.7	1551.2	1542.9	1540.4	1537.2	1536.4
30°	1755.9	1748.4	1734.4	1717.1	1702.2	1680.7	1656.8	1648.6	1640.3	1637.9	1637.8
32.5°	2020.1	2016.0	2004.4	1961.5	1941.7	1897.1	1854.9	1831.1	1803.7	1790.5	1782.3
35°	2205.0	2203.3	2194.2	2179.4	2167.0	2157.9	2133.2	2129.1	2124.1	2124.0	2130.8
37.5°	2341.1	2331.3	2329.6	2332.1	2328.8	2330.5	2350.3	2377.5	2400.6	2412.2	2410.6
40°	2542.6	2528.6	2536.8	2531.0	2523.6	2522.0	2528.5	2539.3	2550.1	2550.1	2547.6
42.5°	2806.0	2812.6	2815.9	2791.9	2776.2	2772.1	2787.8	2784.5	2795.2	2791.1	2780.4
45°	3197.3	3193.2	3187.4	3158.4	3133.7	3113.9	3118.0	3112.2	3113.1	3106.4	3098.2
47.5°	3591.8	3605.9	3582.0	3567.9	3539.9	3525.8	3537.4	3527.5	3546.4	3511.7	3495.3
50°	3974.9	3984.8	3976.6	3956.7	3956.7	3976.6	3990.7	4008.7	4035.1	3995.5	3936.2
52.5°	4288.6	4296.9	4309.2	4325.8	4366.2	4408.3	4467.8	4531.3	4581.7	4574.3	4506.5
55°	4480.1	4490.1	4510.7	4567.7	4640.2	4750.9	4885.5	5033.2	5148.8	5205.0	5155.4
57.5°	4544.6	4551.9	4608.1	4676.6	4789.6	4954.0	5179.3	5434.4	5656.5	5797.7	5775.3
60°	4529.7	4529.6	4586.6	4680.7	4839.2	5057.2	5375.9	5729.1	6069.2	6280.6	6249.2
62.5°	4373.6	4382.0	4463.6	4576.7	4768.3	5029.0	5408.9	5860.4	6267.4	6529.8	6504.2
65°	4031.9	4037.6	4126.0	4260.5	4474.3	4783.0	5198.3	5698.5	6165.0	6417.6	6369.7
67.5°	3479.6	3485.4	3557.2	3709.0	3935.3	4258.0	4706.3	5257.0	5713.5	5913.2	5769.5
70°	2768.1	2784.5	2830.7	2991.7	3163.4	3479.6	3892.3	4443.0	4874.0	5063.0	4904.5
72.5°	1886.3	1928.4	1984.6	2127.5	2291.6	2554.2	2882.7	3346.7	3692.5	3911.3	3770.2
75°	1062.5	1121.9	1139.3	1247.4	1382.8	1590.1	1830.3	2162.9	2512.1	2689.5	2519.6
77.5°	459.0	507.7	529.1	579.5	685.2	771.8	917.9	1142.6	1412.4	1537.1	1333.3
80°	226.2	237.7	246.8	262.6	292.2	320.3	389.6	487.9	598.5	626.5	498.7
82.5°	175.0	183.3	199.0	211.4	218.8	226.2	232.7	246.0	256.8	262.5	247.7
85°	123.0	133.7	151.1	165.2	173.4	179.1	184.9	189.0	179.1	163.5	171.7
87.5°	32.1	42.1	58.7	63.6	71.9	76.0	74.3	76.8	69.3	50.4	56.2
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°	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0	1060.0
2.5°	1065.7	1064.9	1065.7	1065.7	1065.7	1064.9	1064.9	1065.0
5°	1084.8	1084.8	1085.6	1083.9	1083.9	1084.8	1083.9	1083.1
7.5°	1116.9	1116.1	1116.1	1115.2	1116.2	1115.2	1115.2	1114.5
10°	1159.8	1158.2	1159.0	1156.5	1156.6	1155.8	1155.8	1155.8
12.5°	1206.1	1203.6	1204.4	1202.0	1197.8	1198.7	1199.5	1198.7
15°	1250.7	1248.2	1245.8	1244.0	1241.6	1242.4	1242.4	1241.6
17.5°	1296.1	1291.2	1290.4	1287.9	1287.0	1287.0	1287.0	1287.8
20°	1343.1	1339.9	1339.1	1336.6	1335.8	1338.2	1339.1	1337.3
22.5°	1393.5	1391.8	1393.6	1391.8	1394.3	1396.0	1396.8	1395.1
25°	1457.1	1455.4	1457.9	1463.6	1466.9	1468.6	1472.7	1471.1
27.5°	1538.8	1537.2	1542.9	1551.2	1556.1	1564.4	1568.5	1570.2
30°	1644.4	1651.9	1655.1	1671.7	1675.0	1688.2	1688.2	1694.0
32.5°	1798.0	1812.0	1836.8	1862.4	1897.8	1923.5	1923.5	1936.7
35°	2134.8	2140.5	2159.6	2163.7	2171.1	2179.4	2171.1	2177.7
37.5°	2393.2	2367.7	2349.4	2323.8	2308.2	2308.2	2309.8	2308.2
40°	2525.3	2515.3	2507.2	2485.6	2482.3	2481.6	2481.6	2484.9
42.5°	2761.5	2737.4	2724.2	2706.1	2700.3	2698.7	2697.8	2699.5
45°	3068.5	3029.6	2994.2	2976.0	2960.4	2945.5	2950.4	2950.5
47.5°	3425.9	3365.6	3307.9	3276.6	3249.3	3236.9	3228.6	3226.1
50°	3860.9	3776.8	3702.5	3643.9	3604.2	3603.4	3607.5	3581.1
52.5°	4394.2	4261.3	4168.9	4089.6	4052.5	4048.3	4035.1	4020.3
55°	4985.3	4827.7	4675.0	4589.8	4541.1	4514.8	4499.1	4474.3
57.5°	5594.6	5382.4	5162.8	5026.6	4940.7	4881.3	4849.9	4836.0
60°	6064.2	5774.5	5484.8	5266.0	5123.2	5034.8	4980.4	4958.1
62.5°	6249.2	5856.3	5484.8	5197.5	4991.2	4868.9	4795.4	4763.3
65°	6028.8	5563.2	5140.5	4823.5	4593.3	4457.0	4377.0	4342.3
67.5°	5413.0	5001.9	4542.0	4226.7	3989.7	3855.1	3768.5	3742.9
70°	4537.9	4117.7	3678.5	3397.1	3185.7	3075.9	2986.0	2975.2
72.5°	3410.3	3047.9	2671.4	2438.5	2268.5	2086.9	2040.6	2063.8
75°	2185.9	1846.6	1511.5	1301.9	1146.7	973.3	906.4	922.9
77.5°	1035.2	801.7	578.7	447.5	375.6	321.1	307.2	298.9
80°	383.8	311.3	274.8	260.8	251.0	241.9	235.2	227.9
82.5°	248.5	242.7	235.2	232.7	225.4	213.9	192.3	183.3
85°	185.7	185.7	175.9	176.7	171.0	156.1	136.2	125.5
87.5°	54.5	48.7	44.6	41.2	40.4	36.3	26.4	23.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)