

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: P147728

Luminaire Tested: **VXS-E06-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147728
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: VXS-E06-LED-E1-5WQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16122.6 lumens
Efficiency: N/A
Efficacy: 107.1 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): 150.5
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

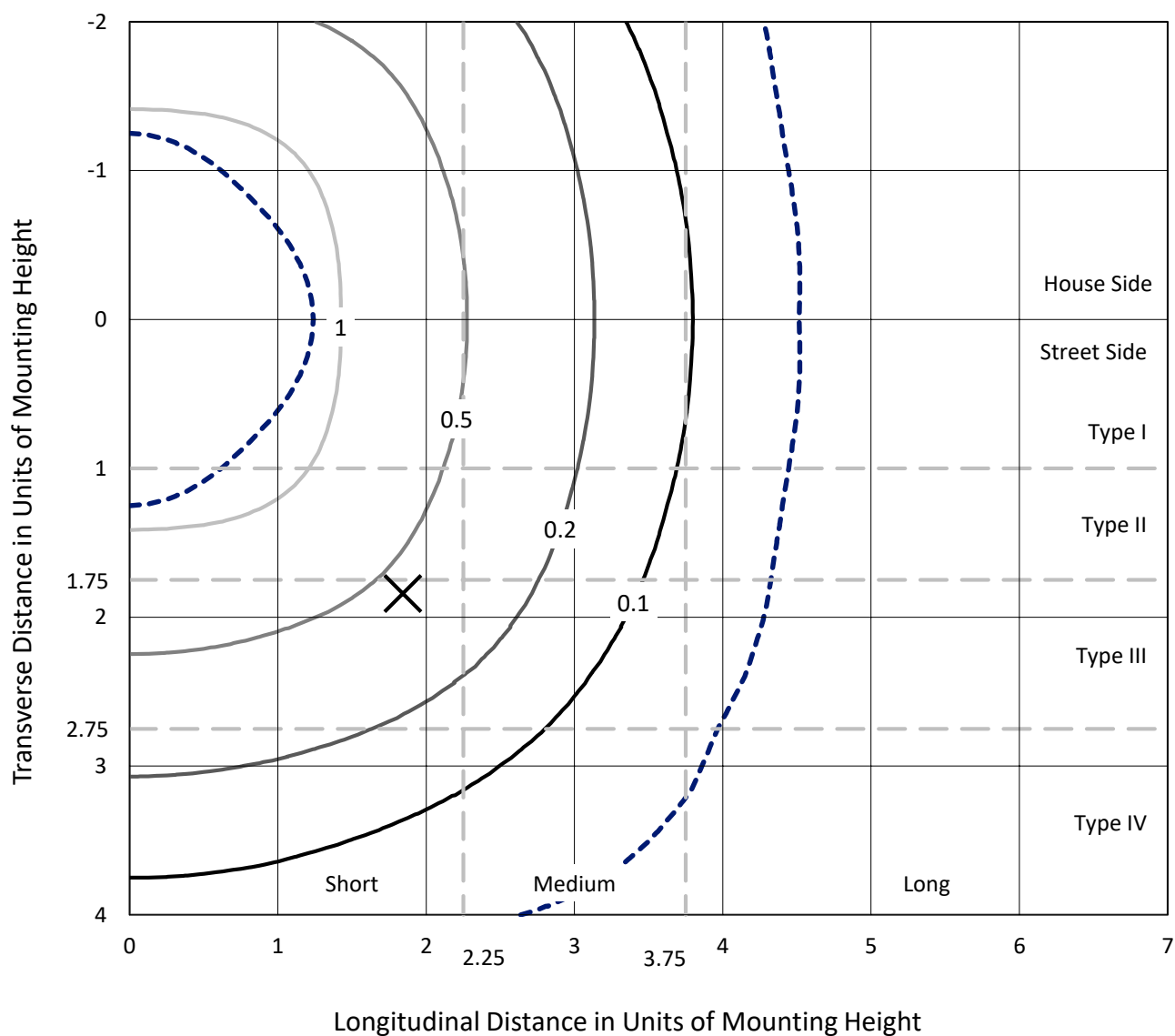


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

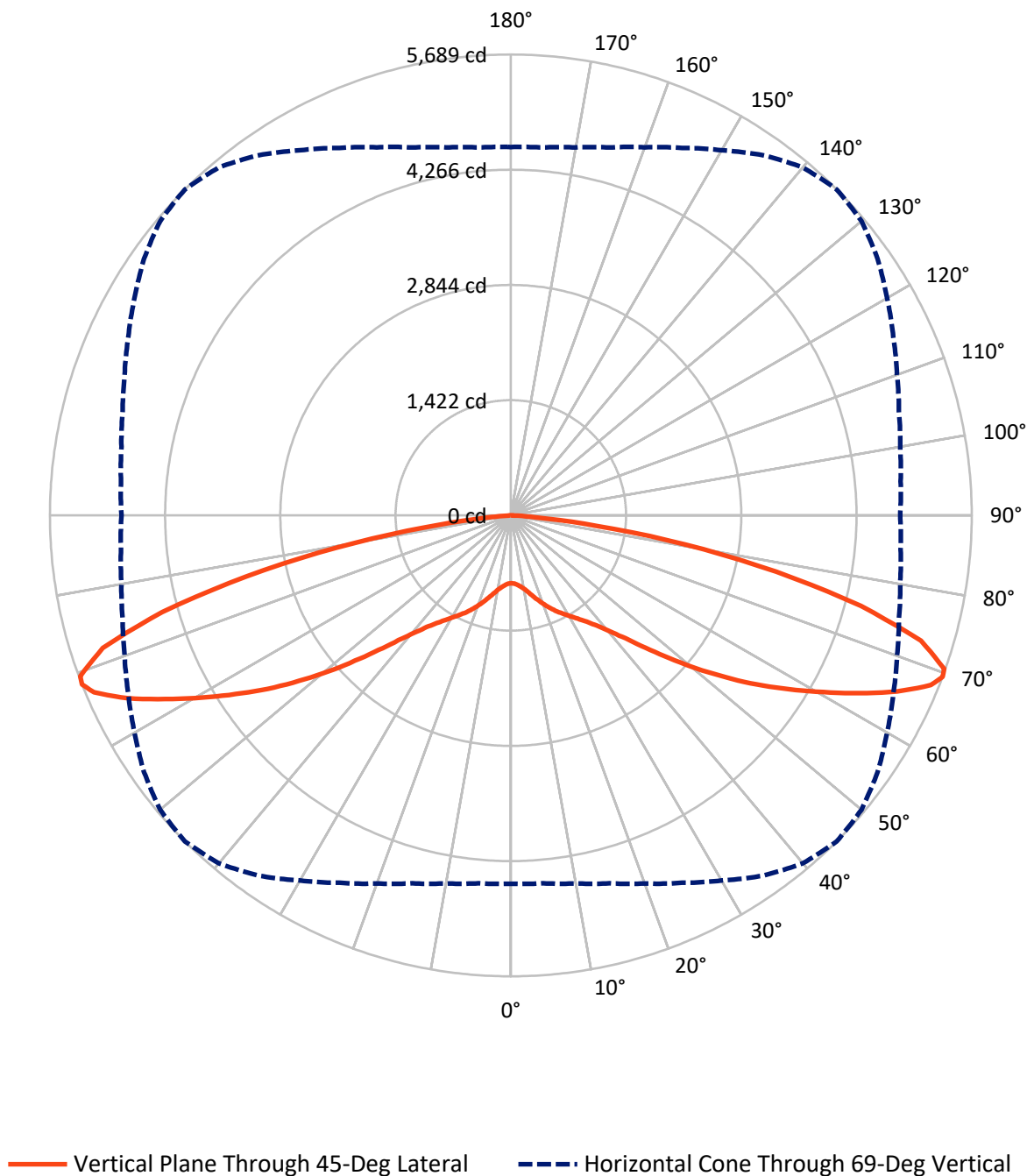


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8061.3	0.0	8061.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8061.3	0.0	8061.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16122.6	0.0	16122.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	0.5
10°-20°	296.9	1.8
20°-30°	601.1	3.7
30°-40°	1007.8	6.3
40°-50°	1777.7	11.0
50°-60°	3134.9	19.4
60°-70°	4786.1	29.7
70°-80°	3999.3	24.8
80°-90°	434.6	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°	16122.6	100.0
0°-180°	16122.6	100.0

Coefficient of Utilization



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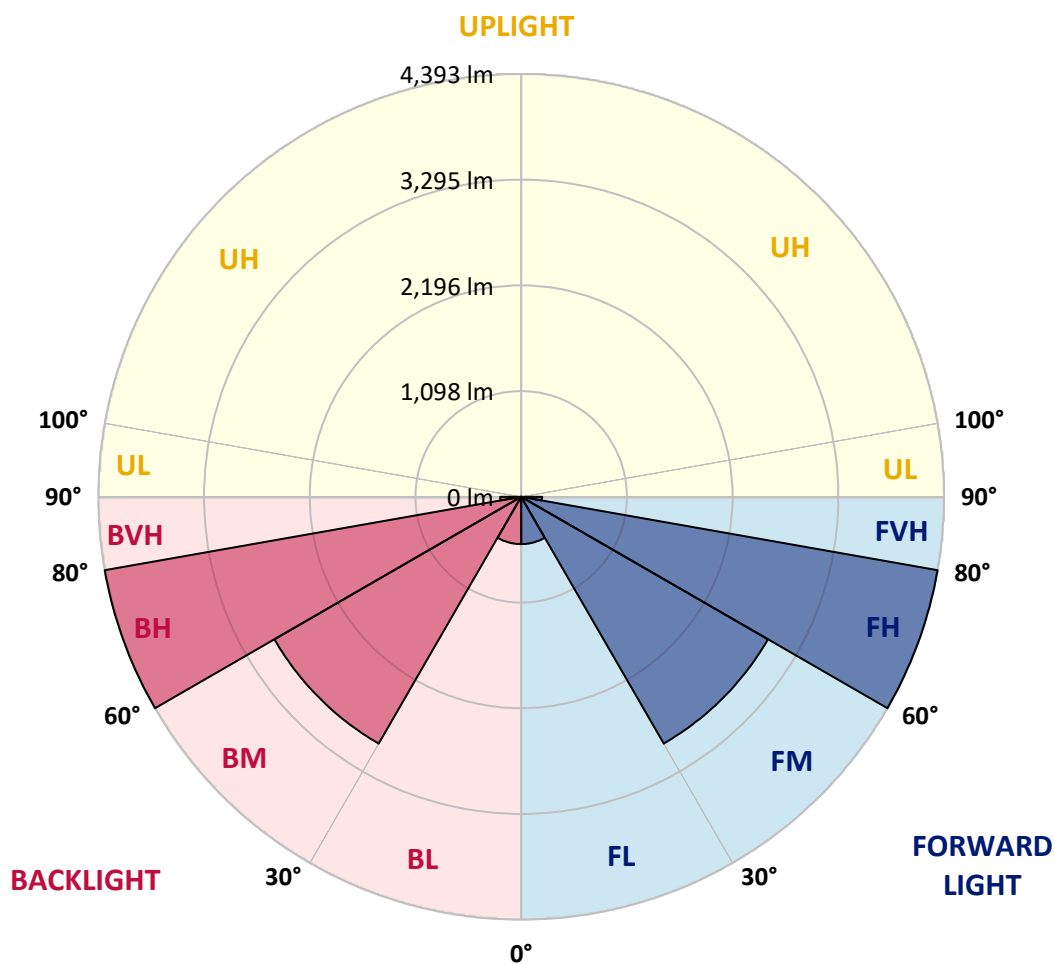
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	491.0	3.0			
FM	(30°-60°)	2960.2	18.4			
FH	(60°-80°)	4392.7	27.2			G2/5000
FVH	(80°-90°)	217.3	1.3			G2/225
BL	(0°-30°)	491.0	3.0	B1/500		
BM	(30°-60°)	2960.2	18.4	B3/5000		
BH	(60°-80°)	4392.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	217.3	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°	837.2	837.2	837.2	837.2	837.2	837.2	837.2	837.2	837.2	837.2	837.2
2.5°	844.0	845.7	844.0	844.0	844.0	844.0	844.0	842.3	842.3	842.3	844.0
5°	860.8	862.6	860.8	862.6	862.6	862.6	862.6	860.8	860.8	860.8	860.8
7.5°	887.9	887.9	887.9	889.5	887.9	887.9	889.5	887.9	887.9	887.9	887.9
10°	926.7	925.0	925.0	925.0	925.0	925.0	926.7	926.7	926.7	925.0	925.0
12.5°	974.0	972.2	974.0	974.0	975.6	975.6	975.6	975.6	975.6	975.6	974.0
15°	1031.4	1031.4	1031.4	1033.1	1036.4	1036.4	1034.7	1036.4	1036.4	1036.4	1036.4
17.5°	1095.5	1098.9	1095.5	1097.2	1098.9	1097.2	1100.5	1102.3	1103.9	1102.3	1097.2
20°	1161.3	1163.0	1163.0	1163.0	1163.0	1166.4	1168.1	1168.1	1173.2	1171.5	1169.7
22.5°	1223.8	1227.2	1227.2	1228.8	1228.8	1233.9	1233.9	1233.9	1237.3	1240.6	1237.3
25°	1289.6	1288.0	1288.0	1291.3	1293.0	1299.8	1299.8	1303.1	1308.2	1309.8	1306.5
27.5°	1348.7	1347.0	1347.0	1352.1	1353.8	1362.2	1362.2	1368.9	1372.3	1374.0	1370.7
30°	1411.2	1411.2	1409.4	1414.5	1419.6	1426.3	1429.7	1436.5	1441.6	1443.2	1439.9
32.5°	1485.4	1482.1	1483.7	1487.2	1490.5	1497.2	1502.3	1510.8	1517.5	1519.2	1515.9
35°	1569.8	1564.8	1566.4	1569.8	1574.9	1585.0	1593.5	1598.5	1608.6	1612.0	1605.3
37.5°	1662.7	1664.4	1662.7	1671.1	1679.6	1691.4	1701.5	1708.2	1718.3	1723.4	1718.3
40°	1794.3	1789.2	1794.3	1802.8	1816.3	1831.5	1851.7	1856.8	1866.9	1877.0	1865.2
42.5°	1964.8	1961.5	1973.3	1980.0	1995.2	2012.1	2037.4	2050.9	2066.1	2072.8	2062.7
45°	2187.7	2187.7	2201.1	2202.8	2226.4	2248.4	2283.8	2300.7	2329.4	2329.4	2329.4
47.5°	2434.1	2444.2	2452.6	2469.5	2486.4	2526.9	2562.4	2599.5	2626.5	2629.8	2624.8
50°	2688.9	2699.1	2724.4	2748.1	2785.2	2835.9	2874.6	2923.6	2947.3	2967.5	2960.7
52.5°	2970.9	2972.5	3002.9	3033.3	3087.4	3143.0	3205.5	3256.2	3298.3	3316.9	3301.7
55°	3279.8	3283.1	3310.2	3342.2	3403.0	3467.2	3544.8	3597.1	3651.1	3684.9	3659.6
57.5°	3614.0	3615.6	3642.7	3681.5	3754.1	3818.2	3892.4	3966.7	4017.4	4047.8	4030.9
60°	3983.6	3992.1	4012.3	4061.2	4130.5	4198.0	4272.3	4338.1	4397.2	4429.2	4412.4
62.5°	4378.7	4387.0	4415.8	4454.6	4515.3	4589.6	4660.5	4744.9	4793.9	4829.3	4804.0
65°	4643.6	4658.9	4704.5	4756.7	4846.2	4942.4	5025.1	5139.9	5199.0	5241.1	5217.5
67.5°	4660.5	4668.9	4724.7	4804.0	4923.8	5069.0	5237.8	5416.7	5533.2	5588.9	5548.4
69°	4545.7	4557.5	4611.6	4701.0	4834.4	5003.2	5204.0	5426.8	5605.8	5688.5	5649.6
70°	4415.8	4441.0	4500.2	4598.0	4728.1	4905.3	5112.8	5350.9	5560.2	5673.3	5644.6
72.5°	4142.3	4149.0	4187.9	4265.5	4365.1	4512.0	4707.8	4932.3	5131.5	5293.5	5317.1
75°	3676.4	3698.3	3727.0	3779.4	3830.1	3936.4	4068.1	4221.7	4338.1	4463.0	4468.1
77.5°	2778.4	2844.2	2866.2	2878.0	2900.0	2984.4	3099.2	3232.4	3328.7	3348.9	3345.6
80°	1247.5	1335.2	1355.4	1451.7	1510.8	1650.9	1826.4	2030.7	2167.4	2182.6	2145.4
82.5°	244.8	261.7	305.5	381.5	519.9	602.6	717.4	860.8	992.5	1068.5	1022.9
85°	81.0	86.1	99.6	109.7	126.6	143.5	173.9	216.1	268.4	297.1	265.0
87.5°	32.0	32.0	37.1	40.5	43.9	43.9	43.9	40.5	38.9	32.0	28.7
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°	837.2	837.2	837.2	837.2	837.2	837.2	837.2	837.2
2.5°	842.3	842.3	842.3	842.3	842.3	842.3	842.3	842.3
5°	860.8	859.2	859.2	857.5	857.5	857.5	857.5	857.5
7.5°	886.2	884.5	882.8	884.5	882.8	882.8	882.8	882.8
10°	925.0	921.7	920.0	918.2	918.2	918.2	916.6	916.6
12.5°	970.6	970.6	968.9	967.3	963.8	965.5	963.8	960.4
15°	1033.1	1029.6	1028.0	1026.3	1022.9	1022.9	1022.9	1021.2
17.5°	1095.5	1092.1	1092.1	1087.0	1085.4	1085.4	1085.4	1087.0
20°	1164.7	1159.7	1156.3	1152.8	1149.5	1151.2	1147.9	1151.2
22.5°	1233.9	1227.2	1223.8	1218.8	1213.7	1213.7	1212.0	1208.6
25°	1301.5	1293.0	1289.6	1284.6	1277.8	1277.8	1274.4	1271.1
27.5°	1365.6	1357.1	1353.8	1343.6	1336.9	1335.2	1331.8	1330.2
30°	1436.5	1426.3	1421.2	1411.2	1401.0	1399.4	1394.3	1394.3
32.5°	1510.8	1500.6	1497.2	1482.1	1473.6	1473.6	1470.3	1466.8
35°	1603.6	1588.4	1585.0	1569.8	1558.0	1558.0	1554.6	1556.3
37.5°	1713.3	1701.5	1689.6	1677.8	1664.4	1662.7	1659.3	1656.0
40°	1860.2	1846.6	1833.2	1816.3	1804.5	1801.0	1796.1	1794.3
42.5°	2056.0	2042.5	2015.4	2002.0	1990.2	1980.0	1978.3	1976.6
45°	2305.8	2288.9	2270.4	2245.0	2229.8	2207.9	2204.5	2196.1
47.5°	2606.2	2574.2	2542.1	2520.2	2496.5	2471.2	2466.1	2452.6
50°	2925.3	2900.0	2845.9	2810.5	2773.4	2748.1	2731.2	2726.1
52.5°	3268.0	3220.6	3166.6	3119.4	3065.4	3031.6	3001.2	2992.7
55°	3625.8	3558.2	3490.8	3435.0	3381.0	3340.5	3311.8	3298.3
57.5°	3983.6	3909.3	3835.1	3774.3	3728.7	3676.4	3647.8	3640.9
60°	4356.7	4285.8	4209.8	4149.0	4093.4	4047.8	4030.9	3998.9
62.5°	4751.7	4677.4	4606.5	4547.5	4476.5	4444.5	4415.8	4397.2
65°	5139.9	5053.8	4964.4	4901.9	4831.0	4785.4	4749.9	4724.7
67.5°	5440.4	5310.4	5190.6	5085.9	4989.6	4918.8	4873.2	4849.5
69°	5524.8	5362.7	5209.1	5072.4	4959.3	4880.0	4829.3	4805.7
70°	5514.6	5335.8	5166.9	5016.7	4893.5	4809.0	4760.1	4716.3
72.5°	5202.4	5038.7	4851.3	4687.6	4576.2	4495.1	4446.1	4422.5
75°	4439.4	4329.6	4194.6	4068.1	3987.0	3939.8	3879.0	3880.6
77.5°	3232.4	3235.9	3144.7	3014.7	2923.6	2906.7	2879.7	2852.6
80°	2005.3	1845.0	1740.3	1600.2	1497.2	1407.8	1368.9	1284.6
82.5°	925.0	722.5	560.4	423.7	325.8	254.9	222.8	182.3
85°	205.9	157.0	129.9	104.7	89.4	82.7	67.6	62.5
87.5°	28.7	25.3	23.6	22.0	18.5	13.5	10.2	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)