

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: P147721

Luminaire Tested: **VXS-E05-LED-E1-5WQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147721
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-E05-LED-E1-5WQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16334.6 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

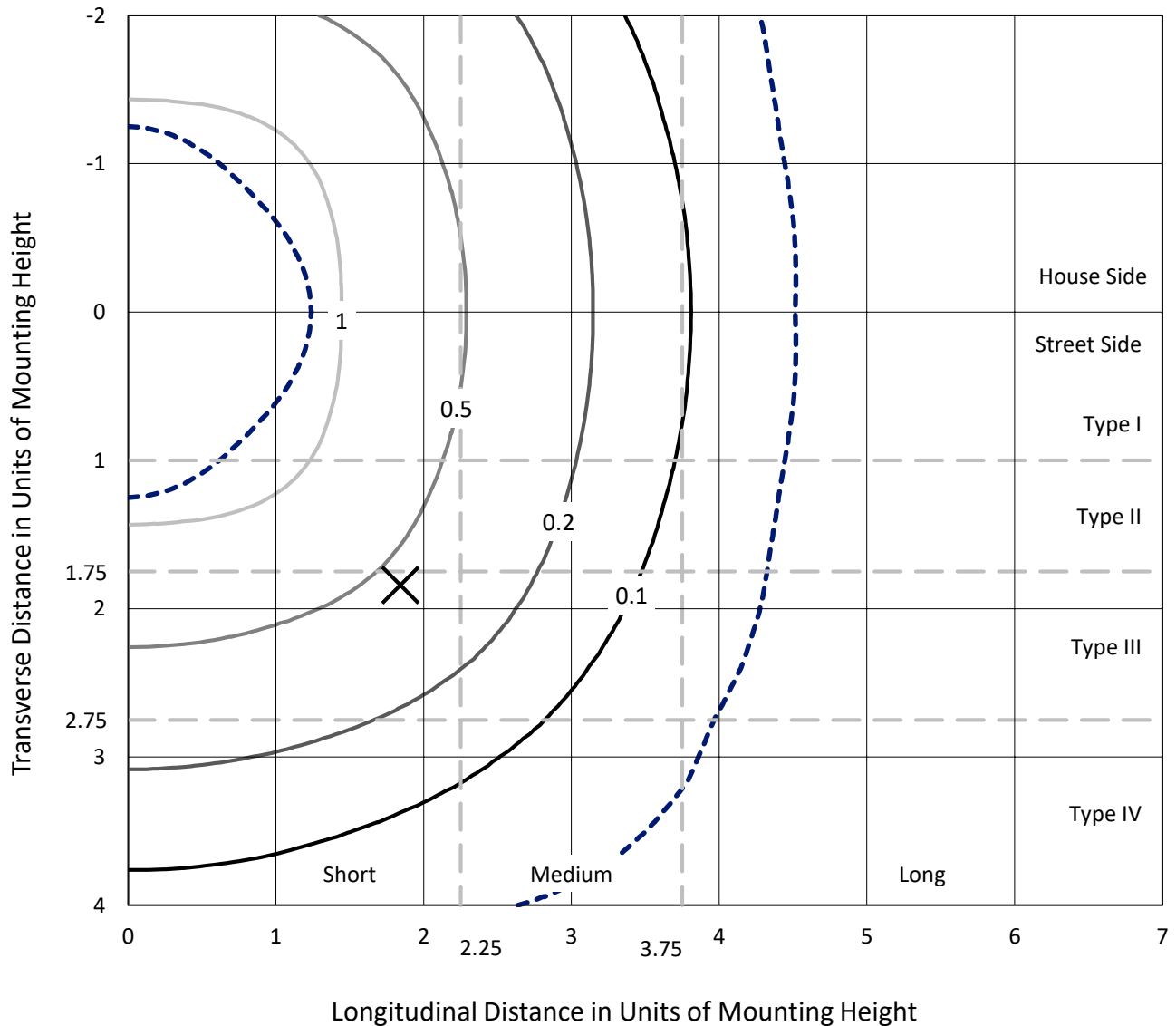
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

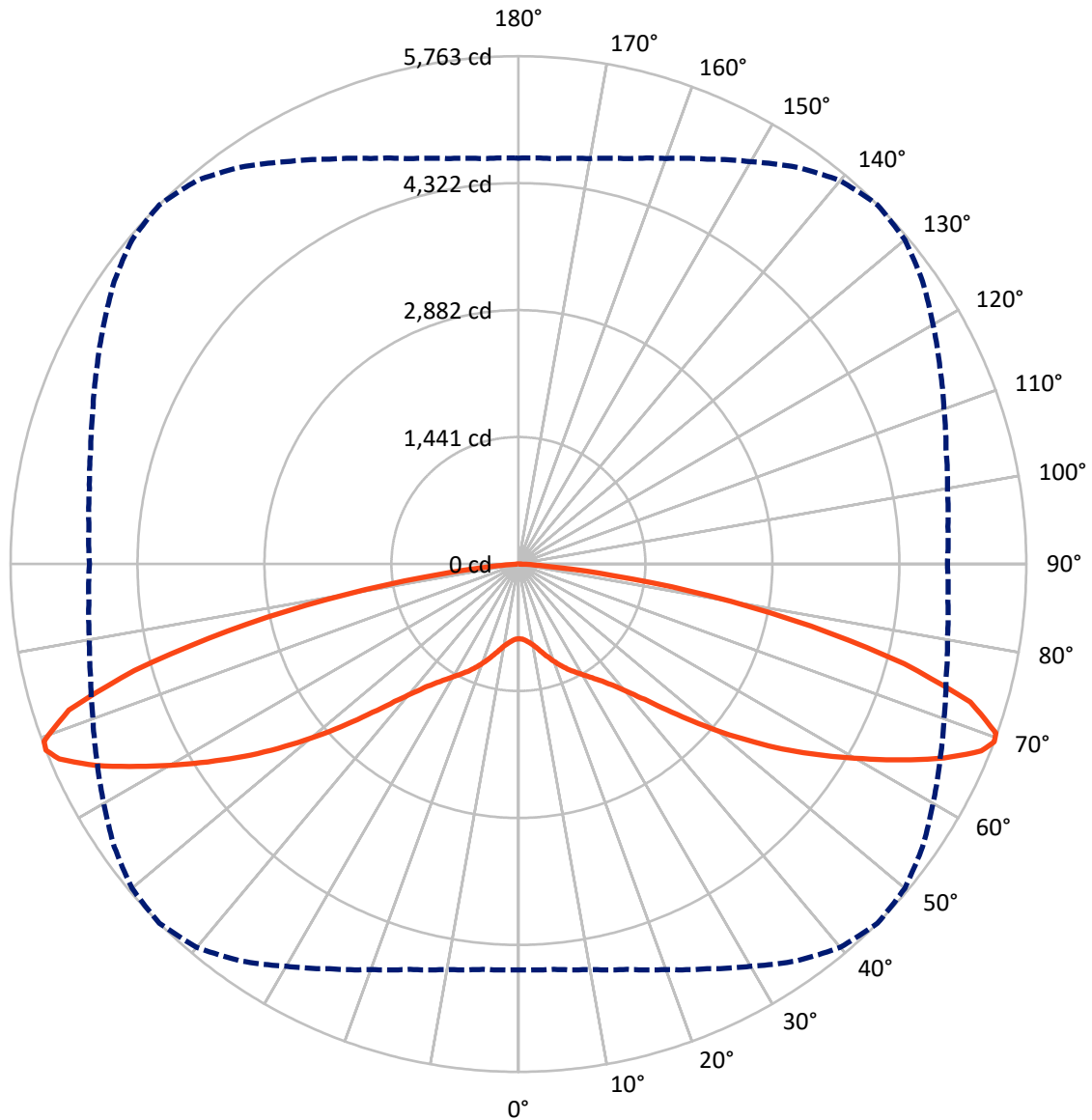
✕ Max cd
 - - - 1/2 Max cd



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



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8167.3	0.0	8167.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8167.3	0.0	8167.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16334.6	0.0	16334.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.2	0.5
10°-20°	300.8	1.8
20°-30°	609.0	3.7
30°-40°	1021.1	6.3
40°-50°	1801.1	11.0
50°-60°	3176.2	19.4
60°-70°	4849.1	29.7
70°-80°	4051.9	24.8
80°-90°	440.3	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°	16334.6	100.0
0°-180°	16334.6	100.0



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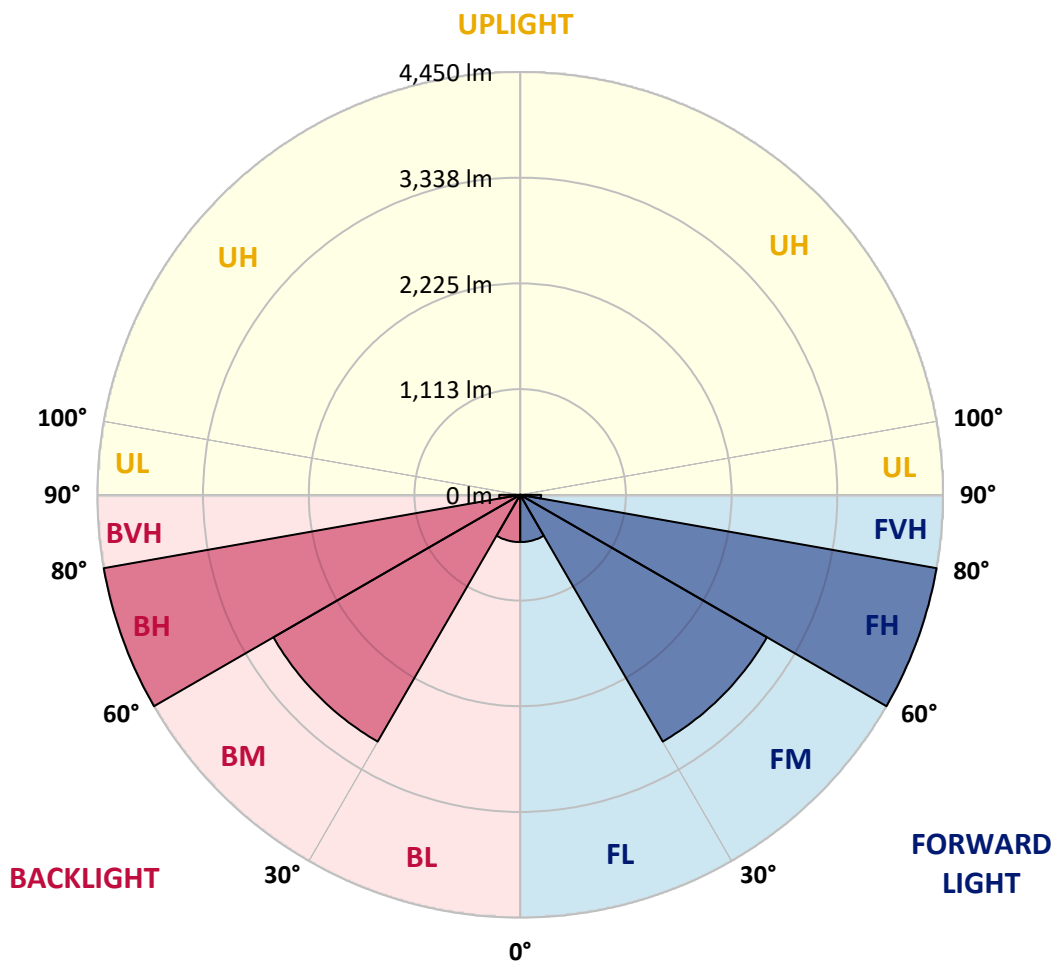
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.5	3.0			
FM	(30°-60°)	2999.2	18.4			
FH	(60°-80°)	4450.5	27.2			G2/5000
FVH	(80°-90°)	220.1	1.3			G2/225
BL	(0°-30°)	497.5	3.0	B1/500		
BM	(30°-60°)	2999.2	18.4	B3/5000		
BH	(60°-80°)	4450.5	27.2	B4/5000		G2/5000
BVH	(80°-90°)	220.1	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°	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3
2.5°	855.1	856.8	855.1	855.1	855.1	855.1	855.1	853.4	853.4	853.4	855.1
5°	872.2	873.9	872.2	873.9	873.9	873.9	873.9	872.2	872.2	872.2	872.2
7.5°	899.6	899.6	899.6	901.2	899.6	899.6	901.2	899.6	899.6	899.6	899.6
10°	938.9	937.2	937.2	937.2	937.2	937.2	938.9	938.9	938.9	937.2	937.2
12.5°	986.7	985.1	986.7	986.7	988.5	988.5	988.5	988.5	988.5	988.5	986.7
15°	1044.9	1044.9	1044.9	1046.6	1050.1	1050.1	1048.3	1050.1	1050.1	1050.1	1050.1
17.5°	1109.9	1113.4	1109.9	1111.6	1113.4	1111.6	1115.0	1116.8	1118.4	1116.8	1111.6
20°	1176.6	1178.3	1178.3	1178.3	1178.3	1181.8	1183.4	1183.4	1188.6	1186.8	1185.2
22.5°	1239.9	1243.3	1243.3	1245.0	1245.0	1250.2	1250.2	1250.2	1253.6	1257.0	1253.6
25°	1306.5	1304.9	1304.9	1308.3	1309.9	1316.8	1316.8	1320.2	1325.4	1327.0	1323.6
27.5°	1366.4	1364.8	1364.8	1369.8	1371.6	1380.1	1380.1	1386.9	1390.4	1392.1	1388.7
30°	1429.7	1429.7	1428.0	1433.2	1438.2	1445.1	1448.5	1455.3	1460.5	1462.2	1458.8
32.5°	1505.0	1501.6	1503.2	1506.6	1510.1	1516.9	1522.1	1530.6	1537.4	1539.2	1535.8
35°	1590.5	1585.3	1587.0	1590.5	1595.5	1605.9	1614.4	1619.6	1629.8	1633.3	1626.4
37.5°	1684.6	1686.2	1684.6	1693.1	1701.7	1713.6	1723.8	1730.7	1740.9	1746.1	1740.9
40°	1817.9	1812.7	1817.9	1826.4	1840.1	1855.5	1876.1	1881.2	1891.5	1901.8	1889.7
42.5°	1990.7	1987.3	1999.2	2006.0	2021.5	2038.5	2064.1	2077.8	2093.3	2100.1	2089.8
45°	2216.4	2216.4	2230.1	2231.8	2255.8	2277.9	2313.9	2331.0	2360.0	2360.0	2360.0
47.5°	2466.1	2476.4	2484.9	2502.0	2519.1	2560.1	2596.1	2633.7	2661.0	2664.5	2659.3
50°	2724.4	2734.6	2760.2	2784.1	2821.8	2873.1	2912.4	2962.1	2986.0	3006.5	2999.7
52.5°	3009.9	3011.6	3042.4	3073.2	3127.9	3184.4	3247.7	3299.0	3341.7	3360.5	3345.1
55°	3322.9	3326.3	3353.7	3386.1	3447.7	3512.7	3591.4	3644.4	3699.1	3733.3	3707.7
57.5°	3661.5	3663.2	3690.6	3729.8	3803.4	3868.4	3943.6	4019.0	4070.3	4101.0	4083.9
60°	4036.1	4044.6	4065.1	4114.7	4184.8	4253.2	4328.5	4395.1	4455.0	4487.5	4470.4
62.5°	4436.2	4444.8	4473.8	4513.2	4574.7	4649.9	4721.8	4807.3	4856.9	4892.8	4867.2
65°	4704.7	4720.1	4766.2	4819.3	4909.9	5007.4	5091.2	5207.5	5267.4	5310.1	5286.1
67.5°	4721.8	4730.4	4786.7	4867.2	4988.6	5135.6	5306.6	5488.0	5605.9	5662.4	5621.3
69°	4605.5	4617.5	4672.2	4762.8	4897.9	5068.9	5272.4	5498.2	5679.5	5763.3	5723.9
70°	4473.8	4499.5	4559.4	4658.5	4790.2	4969.7	5180.1	5421.2	5633.4	5747.9	5718.9
72.5°	4196.8	4203.6	4242.9	4321.7	4422.5	4571.3	4769.6	4997.1	5199.0	5363.1	5387.0
75°	3724.8	3747.0	3776.1	3829.1	3880.4	3988.1	4121.6	4277.1	4395.1	4521.7	4526.8
77.5°	2814.9	2881.7	2903.8	2915.9	2938.0	3023.6	3139.9	3275.0	3372.4	3393.0	3389.5
80°	1263.8	1352.7	1373.3	1470.8	1530.6	1672.5	1850.4	2057.3	2195.9	2211.3	2173.7
82.5°	248.0	265.1	309.5	386.5	526.7	610.6	726.8	872.2	1005.6	1082.6	1036.4
85°	82.1	87.3	100.9	111.2	128.3	145.4	176.2	218.9	271.9	301.0	268.5
87.5°	32.5	32.5	37.6	41.0	44.5	44.5	44.5	41.0	39.4	32.5	29.1
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°	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3
2.5°	853.4	853.4	853.4	853.4	853.4	853.4	853.4	853.4
5°	872.2	870.5	870.5	868.8	868.8	868.8	868.8	868.8
7.5°	897.8	896.2	894.4	896.2	894.4	894.4	894.4	894.4
10°	937.2	933.8	932.0	930.4	930.4	930.4	928.6	928.6
12.5°	983.3	983.3	981.7	979.9	976.5	978.2	976.5	973.1
15°	1046.6	1043.2	1041.5	1039.8	1036.4	1036.4	1036.4	1034.6
17.5°	1109.9	1106.5	1106.5	1101.3	1099.7	1099.7	1099.7	1101.3
20°	1180.0	1174.9	1171.5	1168.1	1164.7	1166.3	1162.9	1166.3
22.5°	1250.2	1243.3	1239.9	1234.7	1229.6	1229.6	1227.9	1224.5
25°	1318.5	1309.9	1306.5	1301.5	1294.6	1294.6	1291.2	1287.8
27.5°	1383.5	1375.0	1371.6	1361.3	1354.5	1352.7	1349.3	1347.7
30°	1455.3	1445.1	1440.0	1429.7	1419.5	1417.7	1412.6	1412.6
32.5°	1530.6	1520.3	1516.9	1501.6	1493.0	1493.0	1489.5	1486.1
35°	1624.7	1609.3	1605.9	1590.5	1578.4	1578.4	1575.0	1576.8
37.5°	1735.9	1723.8	1711.9	1699.9	1686.2	1684.6	1681.1	1677.7
40°	1884.7	1870.9	1857.2	1840.1	1828.2	1824.8	1819.6	1817.9
42.5°	2083.0	2069.3	2042.0	2028.3	2016.3	2006.0	2004.4	2002.6
45°	2336.1	2319.0	2300.2	2274.5	2259.2	2236.9	2233.5	2225.0
47.5°	2640.5	2608.0	2575.5	2553.3	2529.3	2503.7	2498.5	2484.9
50°	2963.7	2938.0	2883.3	2847.5	2809.8	2784.1	2767.0	2762.0
52.5°	3310.9	3263.0	3208.3	3160.4	3105.7	3071.5	3040.7	3032.1
55°	3673.5	3605.1	3536.7	3480.2	3425.5	3384.5	3355.3	3341.7
57.5°	4036.1	3960.7	3885.5	3823.9	3777.8	3724.8	3695.6	3688.8
60°	4414.0	4342.2	4265.2	4203.6	4147.2	4101.0	4083.9	4051.4
62.5°	4814.1	4738.9	4667.0	4607.3	4535.3	4502.9	4473.8	4455.0
65°	5207.5	5120.3	5029.6	4966.3	4894.5	4848.4	4812.4	4786.7
67.5°	5511.9	5380.2	5258.8	5152.7	5055.2	4983.4	4937.3	4913.4
69°	5597.4	5433.3	5277.6	5139.1	5024.5	4944.1	4892.8	4868.9
70°	5587.2	5405.9	5234.8	5082.6	4957.8	4872.3	4822.7	4778.2
72.5°	5270.8	5104.9	4915.0	4749.1	4636.3	4554.2	4504.6	4480.6
75°	4497.7	4386.6	4249.7	4121.6	4039.5	3991.5	3929.9	3931.7
77.5°	3275.0	3278.4	3186.0	3054.4	2962.1	2945.0	2917.5	2890.2
80°	2031.7	1869.2	1763.2	1621.2	1516.9	1426.3	1386.9	1301.5
82.5°	937.2	731.9	567.8	429.2	330.1	258.2	225.7	184.7
85°	208.6	159.1	131.7	106.0	90.7	83.8	68.4	63.3
87.5°	29.1	25.7	23.9	22.3	18.9	13.7	10.3	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)