

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: P148239

Luminaire Tested: **VXS-E05-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148239
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E05-LED-E1-5XQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14524 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

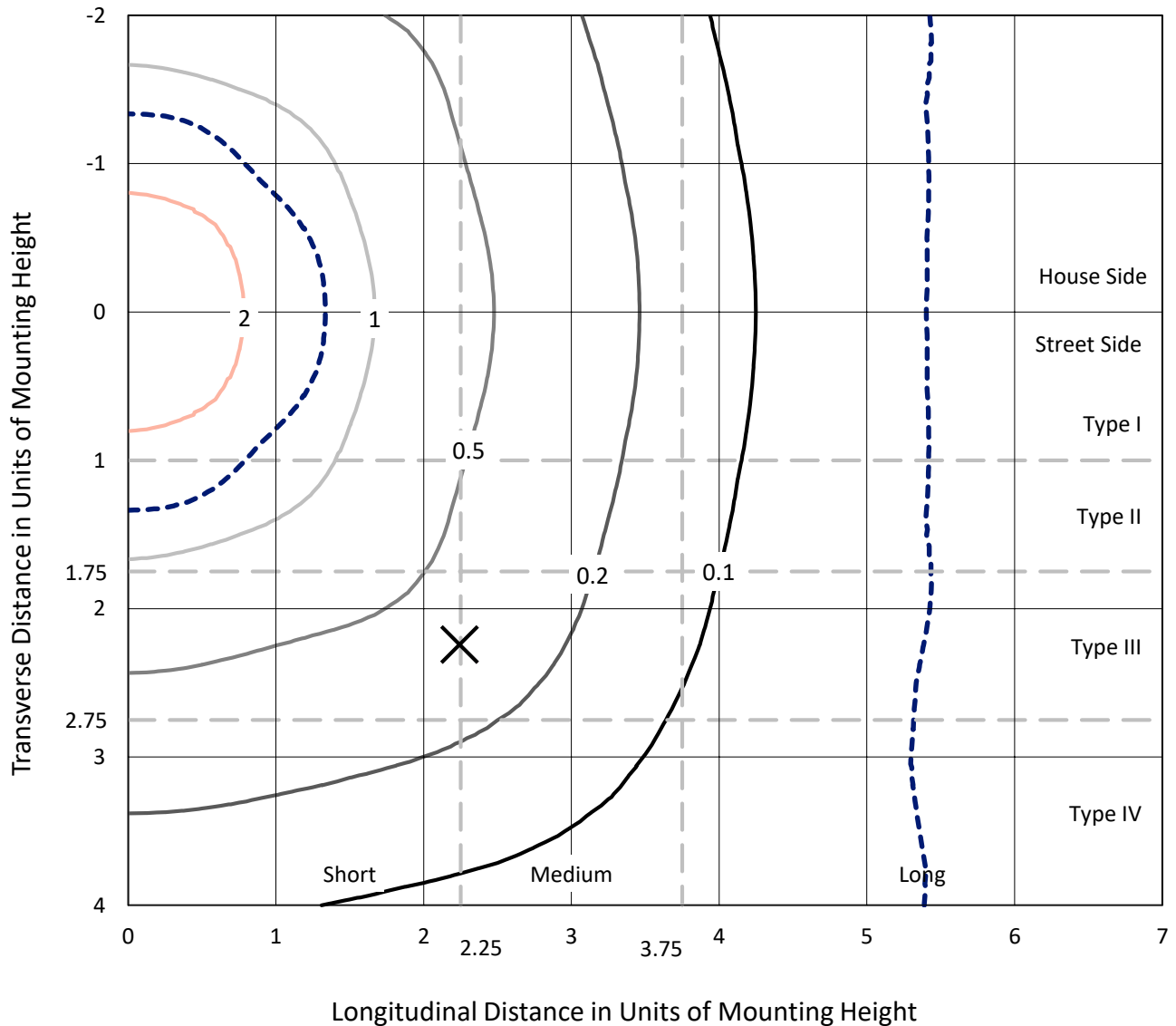
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

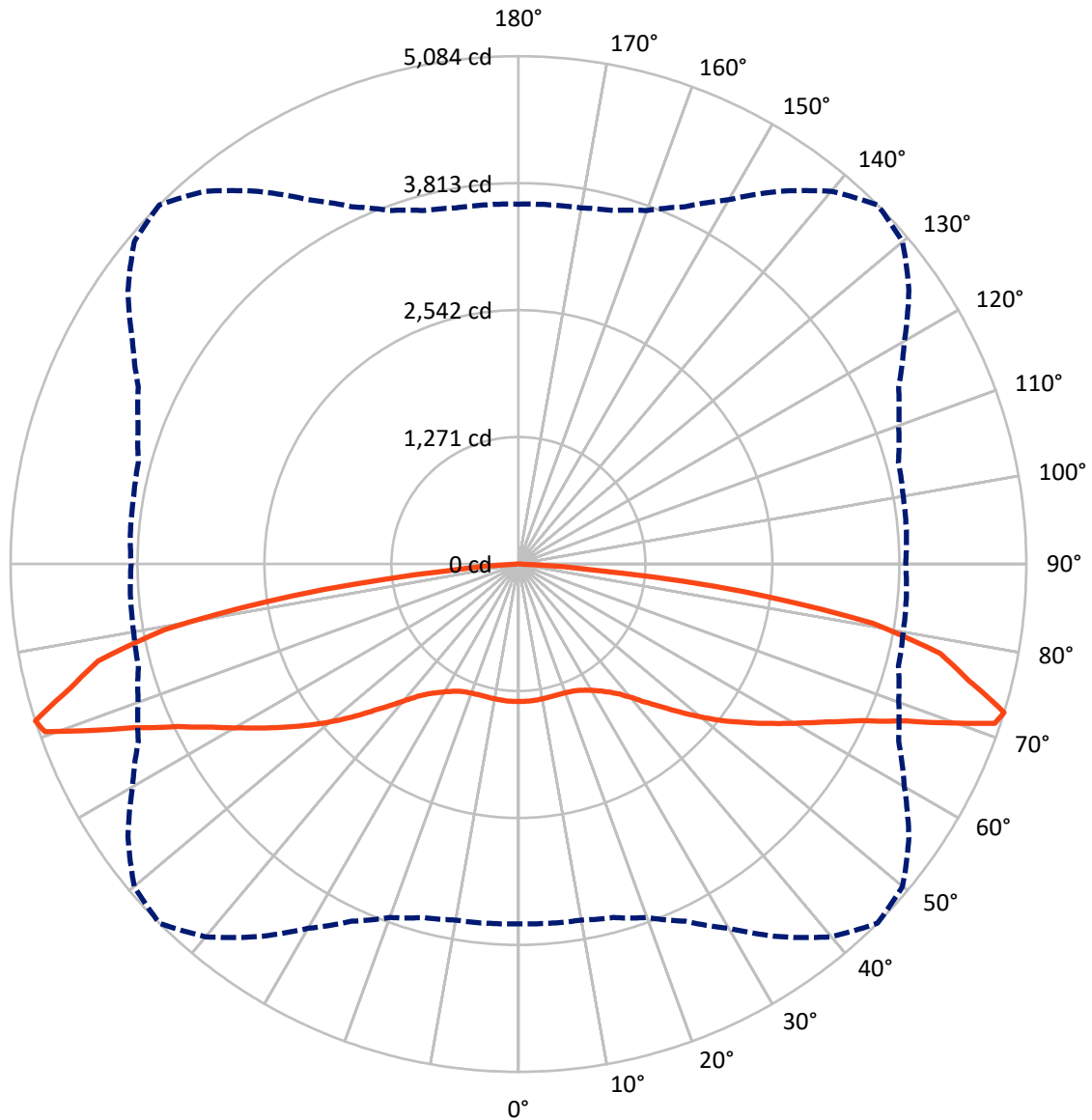
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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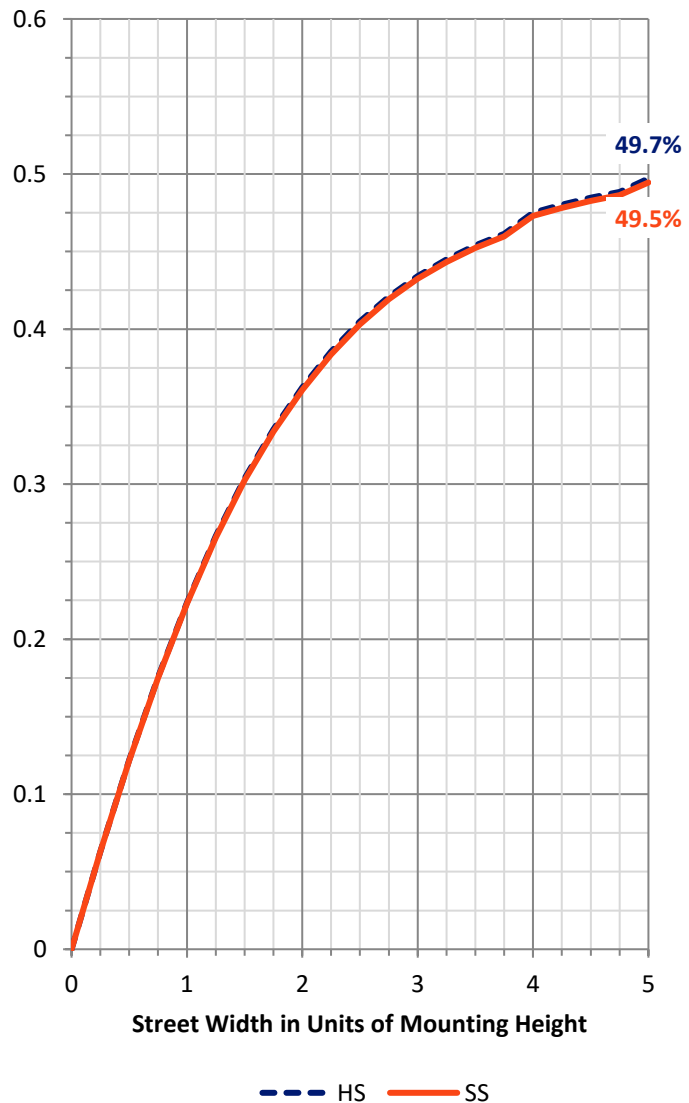
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7262.0	0.0	7262.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7262.0	0.0	7262.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14524.0	0.0	14524.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	0.9
10°-20°	388.0	2.7
20°-30°	649.6	4.5
30°-40°	990.4	6.8
40°-50°	1581.4	10.9
50°-60°	2431.5	16.7
60°-70°	3540.4	24.4
70°-80°	3988.2	27.5
80°-90°	823.3	5.7
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°	14524.0	100.0
0°-180°	14524.0	100.0



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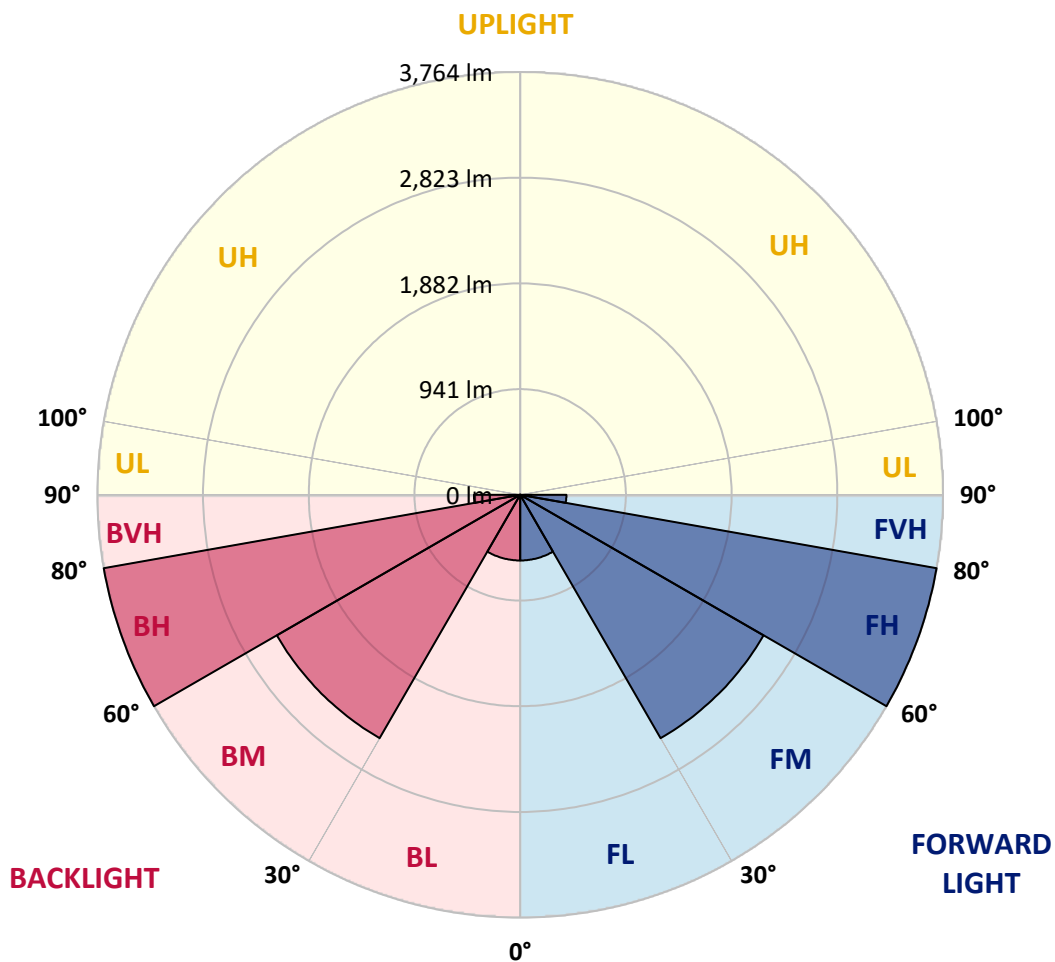
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	584.4	4.0			
FM	(30°-60°)	2501.7	17.2			
FH	(60°-80°)	3764.3	25.9			G2/5000
FVH	(80°-90°)	411.6	2.8			G3/500
BL	(0°-30°)	584.4	4.0	B2/1000		
BM	(30°-60°)	2501.7	17.2	B3/5000		
BH	(60°-80°)	3764.3	25.9	B4/5000		G2/5000
BVH	(80°-90°)	411.6	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2
2.5°	1378.4	1379.2	1378.8	1378.0	1378.3	1378.0	1377.2	1376.9	1374.2	1375.8	1378.0
5°	1378.4	1377.6	1377.3	1376.9	1376.9	1378.0	1376.9	1375.8	1375.3	1376.1	1374.9
7.5°	1377.6	1376.2	1375.3	1374.9	1375.3	1375.8	1374.6	1373.1	1374.2	1373.1	1371.6
10°	1375.3	1374.2	1374.6	1373.1	1373.5	1373.1	1371.6	1370.4	1371.2	1370.1	1368.1
12.5°	1376.2	1374.2	1373.9	1373.1	1372.6	1372.3	1370.4	1368.5	1368.9	1368.1	1366.2
15°	1376.2	1375.0	1374.6	1373.1	1372.7	1371.9	1369.6	1368.9	1368.9	1367.8	1365.5
17.5°	1376.9	1376.2	1376.2	1374.2	1373.5	1373.1	1370.5	1369.3	1370.4	1368.1	1366.6
20°	1379.2	1378.4	1378.8	1377.6	1376.2	1376.2	1374.2	1373.5	1373.9	1373.5	1369.2
22.5°	1383.6	1383.7	1384.5	1384.1	1383.7	1384.1	1382.6	1382.6	1383.0	1383.0	1379.6
25°	1396.7	1396.3	1397.1	1397.0	1397.4	1400.1	1399.0	1398.5	1400.4	1400.4	1397.0
27.5°	1421.0	1420.3	1421.0	1421.8	1423.7	1427.2	1426.3	1427.5	1430.6	1429.7	1426.7
30°	1449.1	1448.5	1450.4	1452.6	1454.1	1459.5	1457.2	1462.9	1465.5	1467.9	1465.5
32.5°	1490.3	1490.3	1493.7	1495.2	1498.7	1504.0	1504.8	1509.2	1512.7	1516.5	1513.9
35°	1545.1	1544.2	1547.0	1549.6	1553.8	1558.8	1560.6	1566.7	1572.1	1574.7	1569.8
37.5°	1628.8	1624.7	1629.6	1631.1	1634.5	1635.6	1641.0	1648.6	1654.3	1653.5	1650.2
40°	1742.2	1741.5	1739.6	1737.2	1742.6	1744.5	1744.5	1754.7	1763.9	1762.4	1762.0
42.5°	1874.6	1871.2	1869.0	1869.0	1872.0	1872.7	1884.6	1892.1	1898.7	1900.1	1898.7
45°	2017.0	2013.6	2014.3	2012.7	2013.9	2018.9	2025.7	2039.8	2052.0	2052.4	2045.9
47.5°	2169.9	2159.4	2167.7	2155.9	2163.1	2166.9	2184.0	2204.7	2225.9	2229.6	2224.0
50°	2325.2	2324.0	2323.3	2321.0	2324.5	2332.8	2353.8	2386.1	2406.6	2420.4	2411.3
52.5°	2494.9	2489.2	2486.6	2482.8	2486.2	2502.6	2531.9	2560.0	2597.0	2612.5	2600.0
55°	2660.1	2658.2	2648.3	2648.0	2655.2	2680.6	2712.6	2747.3	2787.3	2804.8	2800.2
57.5°	2829.8	2818.9	2815.8	2811.2	2825.7	2849.6	2888.8	2951.3	2992.7	3012.5	3001.1
60°	2995.8	2987.5	2980.9	2979.4	2989.3	3022.8	3079.2	3154.1	3205.5	3231.4	3213.1
62.5°	3173.9	3168.5	3160.9	3152.2	3173.2	3216.2	3286.2	3369.1	3444.9	3476.8	3449.0
65°	3395.4	3384.4	3376.0	3365.0	3382.0	3436.1	3523.9	3640.8	3742.4	3779.7	3760.0
67.5°	3629.0	3618.8	3619.5	3612.6	3643.1	3718.1	3831.5	3990.3	4126.4	4190.1	4152.6
70°	3833.0	3838.8	3840.2	3868.0	3920.6	4034.7	4223.5	4471.9	4678.7	4775.6	4735.8
71°	3772.8	3785.5	3804.9	3833.8	3924.4	4059.5	4317.1	4618.1	4864.8	5029.1	4974.0
72.5°	3602.5	3610.1	3619.9	3664.0	3766.4	3945.3	4210.6	4554.6	4871.6	5084.4	5020.4
75°	3355.9	3363.0	3366.4	3397.3	3490.6	3646.5	3889.3	4194.5	4474.3	4655.3	4637.5
77.5°	2983.6	2984.8	3011.4	3059.0	3163.6	3342.1	3597.8	3914.5	4177.4	4318.2	4228.8
80°	2142.6	2128.1	2155.4	2216.8	2346.2	2550.9	2812.7	3174.3	3466.1	3597.8	3459.3
82.5°	815.1	859.3	928.9	1030.2	1074.0	1301.5	1545.9	1758.2	2004.0	2278.8	2209.9
85°	87.6	98.5	123.7	153.4	193.8	268.0	370.3	505.4	623.0	732.2	649.9
87.5°	32.7	33.5	37.3	43.0	43.7	45.7	48.7	56.7	52.8	45.7	36.9
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°	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2	1376.2
2.5°	1376.2	1376.5	1376.2	1376.5	1376.5	1374.9	1375.3	1374.5
5°	1375.8	1374.6	1374.9	1375.3	1374.9	1375.8	1374.6	1375.3
7.5°	1373.9	1371.6	1372.3	1372.3	1371.6	1372.6	1372.0	1371.6
10°	1370.1	1367.0	1368.5	1367.8	1367.4	1367.8	1367.7	1367.8
12.5°	1366.6	1364.7	1365.1	1364.8	1364.4	1365.5	1365.1	1365.4
15°	1365.8	1362.8	1362.4	1361.7	1362.1	1362.8	1362.8	1363.9
17.5°	1365.1	1361.2	1360.8	1360.1	1360.5	1362.1	1362.4	1361.7
20°	1367.4	1364.4	1363.5	1362.8	1362.4	1364.4	1363.9	1363.9
22.5°	1378.0	1374.2	1373.9	1370.8	1369.6	1370.8	1370.1	1370.1
25°	1395.1	1390.6	1389.0	1384.9	1381.9	1381.9	1380.7	1379.9
27.5°	1426.0	1419.1	1417.6	1414.2	1409.9	1410.8	1408.5	1408.1
30°	1461.8	1455.6	1450.4	1445.4	1440.4	1438.5	1435.9	1435.4
32.5°	1508.6	1501.7	1495.2	1489.1	1482.3	1479.6	1475.0	1472.7
35°	1566.0	1556.9	1549.3	1545.1	1538.2	1534.8	1531.7	1535.1
37.5°	1646.3	1635.2	1631.5	1626.5	1622.0	1616.6	1617.8	1616.7
40°	1757.5	1747.6	1743.7	1734.9	1733.9	1727.8	1731.6	1727.8
42.5°	1894.8	1876.6	1873.9	1867.0	1864.8	1861.3	1862.8	1860.2
45°	2044.4	2028.0	2025.0	2013.9	2014.3	2006.3	2009.3	2009.3
47.5°	2212.6	2195.4	2181.3	2173.5	2170.4	2165.4	2168.1	2167.7
50°	2386.1	2362.9	2347.3	2331.7	2324.9	2326.7	2321.5	2330.6
52.5°	2572.6	2537.9	2515.9	2501.0	2488.1	2490.8	2491.6	2494.2
55°	2765.6	2721.5	2689.4	2670.1	2658.2	2659.0	2662.4	2665.5
57.5°	2959.6	2904.5	2861.0	2832.1	2824.6	2828.0	2828.0	2827.6
60°	3160.9	3094.7	3038.8	3006.1	2999.2	2997.3	3012.1	3007.3
62.5°	3377.2	3297.5	3239.7	3197.9	3188.0	3194.8	3208.2	3205.2
65°	3663.6	3553.7	3479.1	3437.6	3420.9	3427.8	3445.6	3444.9
67.5°	4033.2	3879.5	3780.9	3727.7	3715.4	3723.8	3733.7	3743.2
70°	4585.8	4366.2	4225.4	4110.1	4060.6	4051.1	4060.9	4061.3
71°	4780.3	4528.0	4303.8	4163.0	4081.9	4047.7	4050.4	4033.2
72.5°	4772.2	4461.3	4199.2	4051.8	3939.2	3911.8	3898.4	3877.9
75°	4450.7	4170.6	3943.0	3782.4	3674.0	3641.7	3618.0	3616.9
77.5°	4036.3	3829.6	3578.9	3408.7	3276.7	3223.0	3199.0	3198.2
80°	3244.7	2935.2	2751.9	2649.4	2490.1	2443.9	2395.2	2377.0
82.5°	1962.2	1533.3	1246.7	1107.9	1031.0	849.0	761.9	720.8
85°	457.0	324.6	223.8	146.8	105.8	84.1	64.7	57.1
87.5°	30.8	24.4	21.7	17.5	13.4	13.0	8.0	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)