

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: P180208

Luminaire Tested: **ICM-E06-LED-E1-5XQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180208
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: ICM-E06-LED-E1-5XQ
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17751.1 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

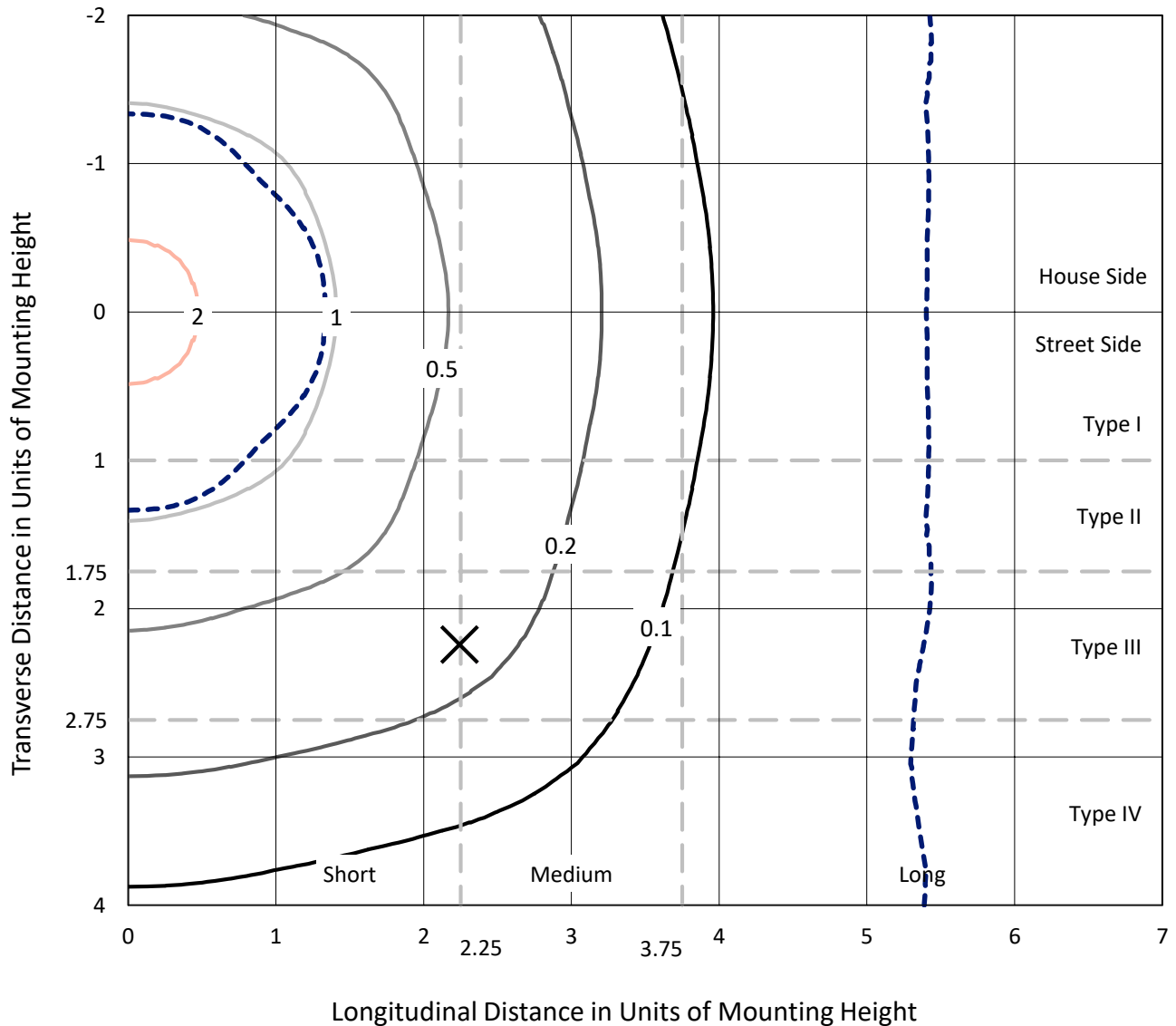
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

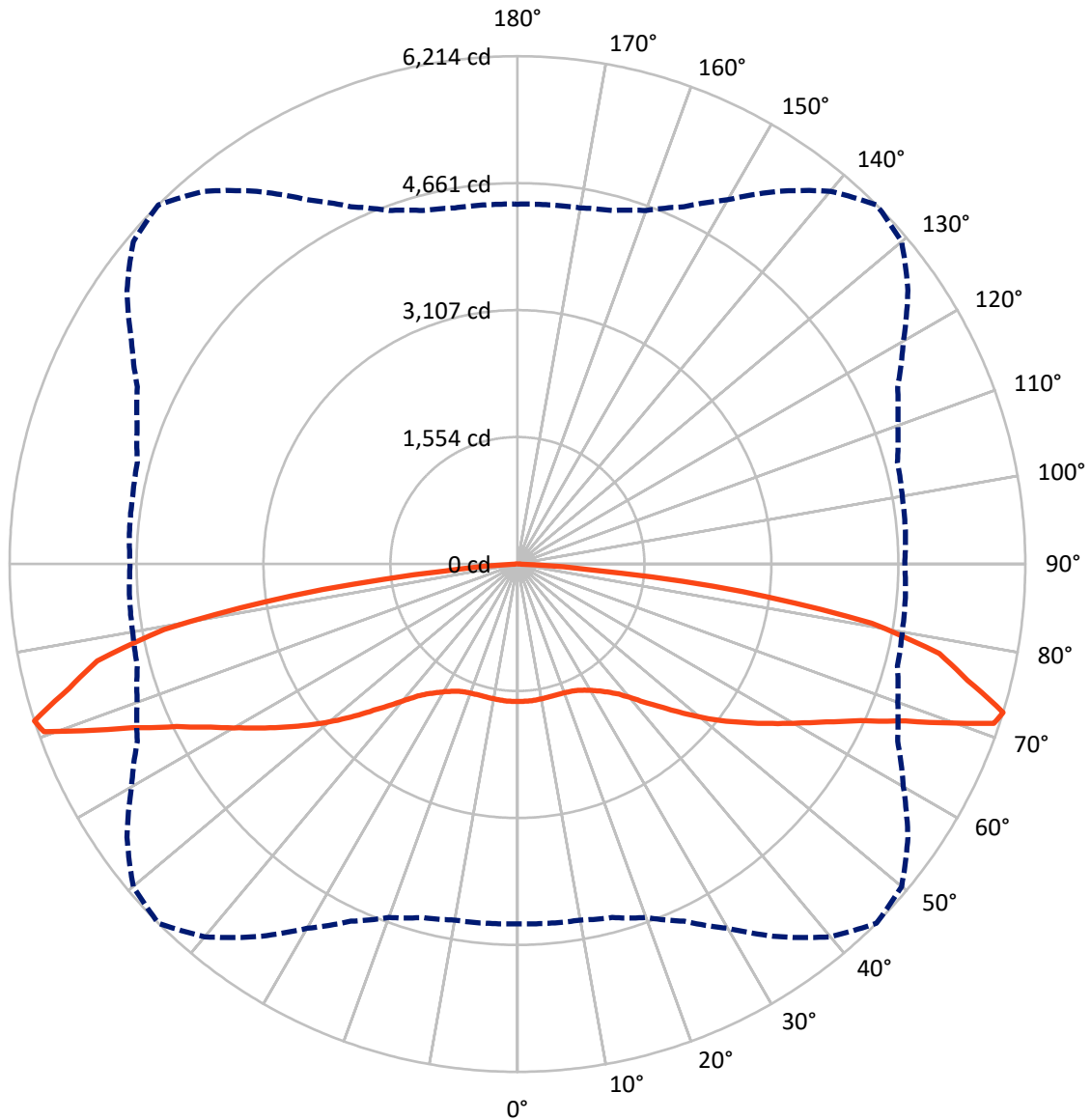


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Non-Cutoff

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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	8875.5	0.0	8875.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8875.5	0.0	8875.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17751.1	0.0	17751.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	0.9
10°-20°	474.2	2.7
20°-30°	794.0	4.5
30°-40°	1210.4	6.8
40°-50°	1932.8	10.9
50°-60°	2971.8	16.7
60°-70°	4327.0	24.4
70°-80°	4874.3	27.5
80°-90°	1006.2	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°	17751.1	100.0
0°-180°	17751.1	100.0



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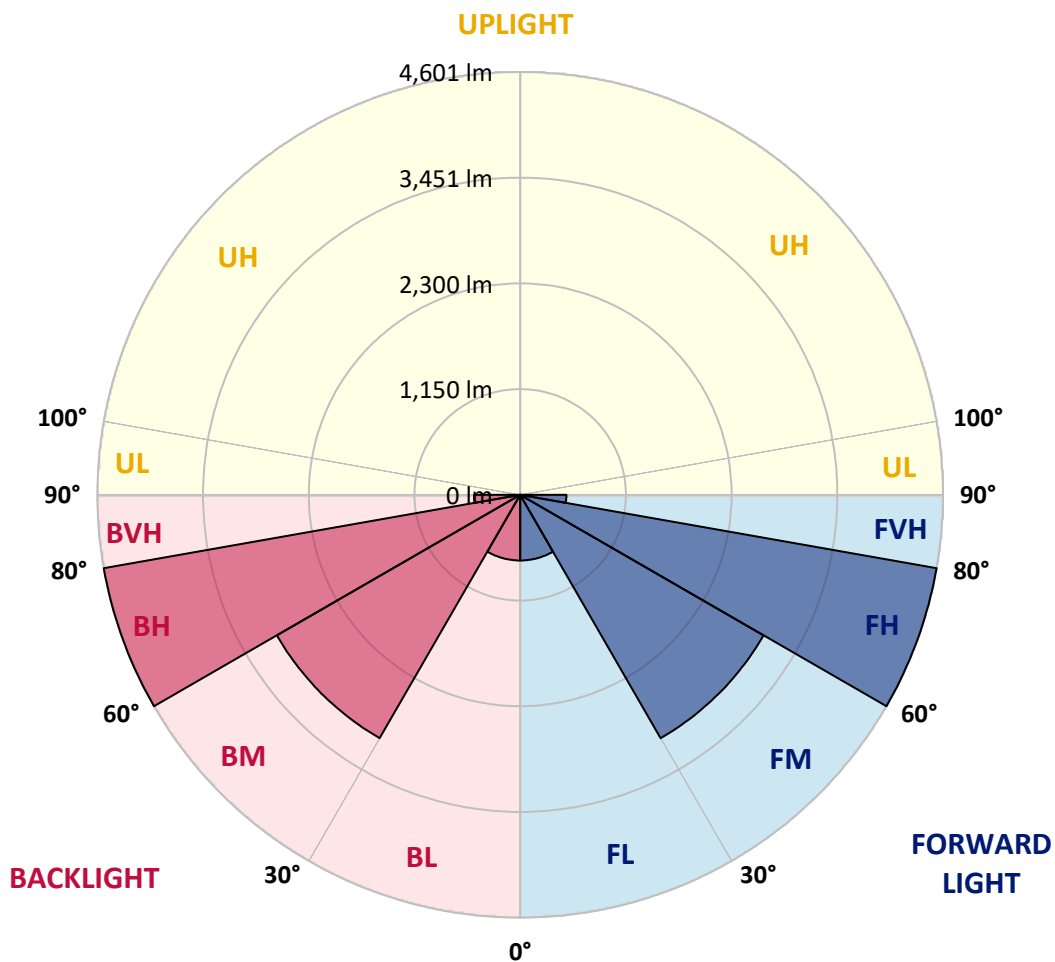
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	714.2	4.0			
FM	(30°-60°)	3057.5	17.2			
FH	(60°-80°)	4600.7	25.9			G2/5000
FVH	(80°-90°)	503.1	2.8			G4/750
BL	(0°-30°)	714.2	4.0	B2/1000		
BM	(30°-60°)	3057.5	17.2	B3/5000		
BH	(60°-80°)	4600.7	25.9	B4/5000		G2/5000
BVH	(80°-90°)	503.1	2.8			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9
2.5°	1684.7	1685.6	1685.1	1684.2	1684.7	1684.2	1683.3	1682.8	1679.5	1681.4	1684.2
5°	1684.7	1683.7	1683.3	1682.8	1682.8	1684.2	1682.8	1681.4	1680.9	1681.9	1680.5
7.5°	1683.7	1681.9	1680.9	1680.5	1680.9	1681.4	1680.0	1678.1	1679.5	1678.1	1676.3
10°	1680.9	1679.5	1680.0	1678.1	1678.6	1678.1	1676.3	1674.9	1675.8	1674.4	1672.1
12.5°	1681.9	1679.5	1679.1	1678.1	1677.7	1677.2	1674.9	1672.6	1673.0	1672.1	1669.8
15°	1681.9	1680.5	1680.0	1678.1	1677.7	1676.8	1674.0	1673.0	1673.0	1671.6	1668.8
17.5°	1682.8	1681.9	1681.9	1679.5	1678.6	1678.1	1674.9	1673.5	1674.9	1672.1	1670.2
20°	1685.6	1684.7	1685.1	1683.7	1681.9	1681.9	1679.5	1678.6	1679.1	1678.6	1673.5
22.5°	1691.2	1691.2	1692.1	1691.6	1691.2	1691.6	1689.8	1689.8	1690.2	1690.2	1686.1
25°	1707.0	1706.5	1707.5	1707.5	1707.9	1711.2	1709.8	1709.3	1711.6	1711.6	1707.5
27.5°	1736.8	1735.8	1736.8	1737.7	1740.0	1744.2	1743.3	1744.7	1748.4	1747.5	1743.7
30°	1771.2	1770.2	1772.6	1775.4	1777.2	1783.7	1780.9	1787.9	1791.2	1794.0	1791.2
32.5°	1821.4	1821.4	1825.6	1827.5	1831.6	1838.2	1839.1	1844.7	1848.8	1853.5	1850.2
35°	1888.4	1887.5	1890.7	1894.0	1899.1	1905.1	1907.5	1914.9	1921.4	1924.7	1918.6
37.5°	1990.7	1985.6	1991.6	1993.5	1997.7	1999.1	2005.6	2014.9	2021.9	2020.9	2016.8
40°	2129.3	2128.4	2126.1	2123.3	2129.8	2132.1	2132.1	2144.7	2155.8	2154.0	2153.5
42.5°	2291.2	2287.0	2284.2	2284.2	2287.9	2288.9	2303.3	2312.6	2320.5	2322.3	2320.5
45°	2465.1	2460.9	2461.9	2460.0	2461.4	2467.5	2475.8	2493.0	2507.9	2508.4	2500.5
47.5°	2652.1	2639.1	2649.3	2634.9	2643.7	2648.4	2669.3	2694.4	2720.5	2725.1	2718.2
50°	2841.9	2840.5	2839.6	2836.8	2840.9	2851.2	2876.8	2916.3	2941.4	2958.2	2947.0
52.5°	3049.3	3042.3	3039.1	3034.4	3038.6	3058.6	3094.4	3128.9	3174.0	3193.0	3177.7
55°	3251.2	3248.9	3236.8	3236.3	3245.1	3276.3	3315.4	3357.7	3406.5	3427.9	3422.3
57.5°	3458.6	3445.1	3441.4	3435.8	3453.5	3482.8	3530.7	3607.0	3657.7	3681.9	3667.9
60°	3661.4	3651.2	3643.3	3641.4	3653.5	3694.4	3763.3	3854.9	3917.7	3949.3	3927.0
62.5°	3879.1	3872.6	3863.3	3852.6	3878.2	3930.7	4016.3	4117.7	4210.3	4249.3	4215.4
65°	4149.8	4136.3	4126.1	4112.6	4133.5	4199.6	4307.0	4449.8	4574.0	4619.6	4595.4
67.5°	4435.4	4422.8	4423.7	4415.4	4452.6	4544.2	4682.8	4876.8	5043.3	5121.0	5075.4
70°	4684.7	4691.7	4693.5	4727.5	4791.7	4931.2	5161.9	5465.6	5718.2	5836.8	5787.9
71°	4611.2	4626.5	4650.3	4685.6	4796.3	4961.4	5276.3	5644.2	5945.6	6146.5	6079.1
72.5°	4402.8	4412.1	4424.2	4478.2	4603.3	4821.9	5146.1	5566.5	5954.0	6214.0	6135.9
75°	4101.4	4110.3	4114.4	4152.1	4266.1	4456.8	4753.5	5126.5	5468.4	5689.8	5667.9
77.5°	3646.5	3647.9	3680.5	3738.6	3866.5	4084.7	4397.2	4784.2	5105.6	5277.7	5168.4
80°	2618.6	2600.9	2634.4	2709.3	2867.5	3117.7	3437.7	3879.6	4236.3	4397.2	4227.9
82.5°	996.3	1050.2	1135.4	1259.1	1312.6	1590.7	1889.3	2148.9	2449.3	2785.1	2700.9
85°	107.0	120.5	151.2	187.4	236.7	327.4	452.6	617.7	761.4	894.9	794.4
87.5°	40.0	40.9	45.6	52.6	53.5	55.8	59.5	69.3	64.7	55.8	45.1
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°	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9	1681.9
2.5°	1681.9	1682.3	1681.9	1682.3	1682.3	1680.5	1680.9	1680.0
5°	1681.4	1680.0	1680.5	1680.9	1680.5	1681.4	1680.0	1680.9
7.5°	1679.1	1676.3	1677.2	1677.2	1676.3	1677.7	1676.8	1676.3
10°	1674.4	1670.7	1672.6	1671.6	1671.2	1671.6	1671.6	1671.6
12.5°	1670.2	1667.9	1668.4	1667.9	1667.5	1668.8	1668.4	1668.8
15°	1669.3	1665.6	1665.1	1664.2	1664.7	1665.6	1665.6	1667.0
17.5°	1668.4	1663.7	1663.3	1662.3	1662.8	1664.7	1665.1	1664.2
20°	1671.2	1667.5	1666.5	1665.6	1665.1	1667.5	1667.0	1667.0
22.5°	1684.2	1679.5	1679.1	1675.4	1674.0	1675.4	1674.4	1674.4
25°	1705.1	1699.5	1697.7	1692.6	1688.8	1688.8	1687.5	1686.5
27.5°	1742.8	1734.4	1732.6	1728.4	1723.3	1724.2	1721.4	1720.9
30°	1786.5	1779.1	1772.6	1766.5	1760.5	1758.2	1754.9	1754.4
32.5°	1843.7	1835.4	1827.5	1820.0	1811.6	1808.4	1802.8	1800.0
35°	1914.0	1902.8	1893.5	1888.4	1880.0	1875.8	1872.1	1876.3
37.5°	2012.1	1998.6	1994.0	1987.9	1982.3	1975.8	1977.2	1975.8
40°	2147.9	2135.8	2131.2	2120.5	2119.1	2111.6	2116.3	2111.6
42.5°	2315.8	2293.5	2290.2	2281.9	2279.1	2274.9	2276.8	2273.5
45°	2498.6	2478.6	2474.9	2461.4	2461.9	2452.1	2455.8	2455.8
47.5°	2704.2	2683.3	2666.1	2656.3	2652.6	2646.5	2649.8	2649.3
50°	2916.3	2887.9	2868.9	2849.8	2841.4	2843.7	2837.2	2848.4
52.5°	3144.2	3101.9	3074.9	3056.8	3040.9	3044.2	3045.1	3048.4
55°	3380.0	3326.1	3287.0	3263.3	3248.9	3249.8	3254.0	3257.7
57.5°	3617.2	3549.8	3496.8	3461.4	3452.1	3456.3	3456.3	3455.8
60°	3863.3	3782.3	3714.0	3674.0	3665.6	3663.3	3681.4	3675.4
62.5°	4127.5	4030.3	3959.6	3908.4	3896.3	3904.7	3921.0	3917.2
65°	4477.7	4343.3	4252.1	4201.4	4181.0	4189.3	4211.2	4210.3
67.5°	4929.3	4741.4	4621.0	4555.8	4541.0	4551.2	4563.3	4574.9
70°	5604.7	5336.3	5164.2	5023.3	4962.8	4951.2	4963.3	4963.8
71°	5842.4	5534.0	5260.0	5087.9	4988.9	4947.0	4950.3	4929.3
72.5°	5832.6	5452.6	5132.1	4952.1	4814.4	4781.0	4764.7	4739.6
75°	5439.6	5097.2	4819.1	4622.8	4490.3	4450.7	4421.9	4420.5
77.5°	4933.1	4680.5	4374.0	4166.1	4004.7	3939.1	3909.8	3908.9
80°	3965.6	3587.5	3363.3	3238.2	3043.3	2987.0	2927.5	2905.1
82.5°	2398.2	1874.0	1523.7	1354.0	1260.0	1037.7	931.2	880.9
85°	558.6	396.7	273.5	179.5	129.3	102.8	79.1	69.8
87.5°	37.7	29.8	26.5	21.4	16.3	15.8	9.8	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)