

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: P148251

Luminaire Tested: **VXS-E06-LED-E1-5XQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148251
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-E06-LED-E1-5XQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19580.4 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G4

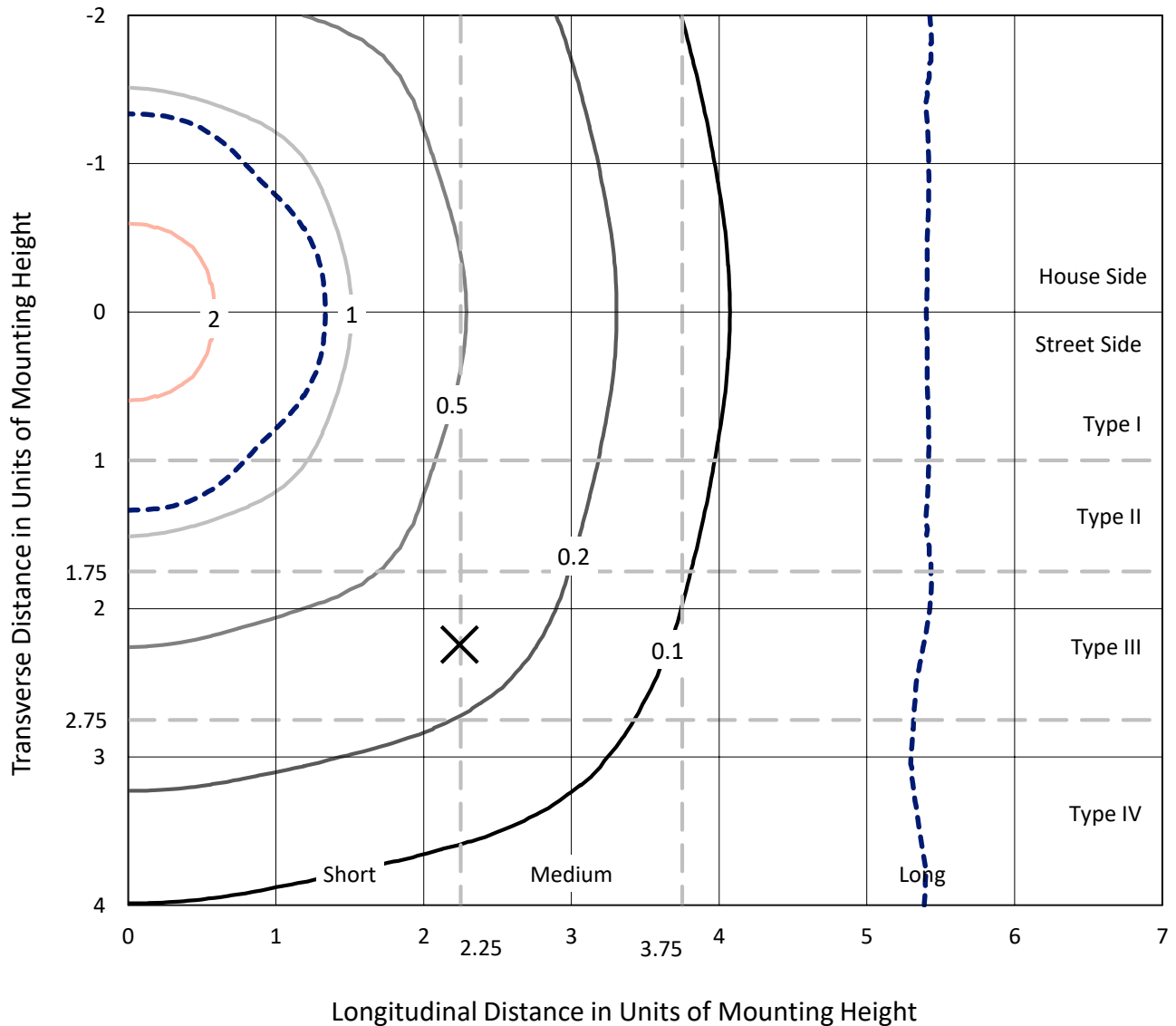
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

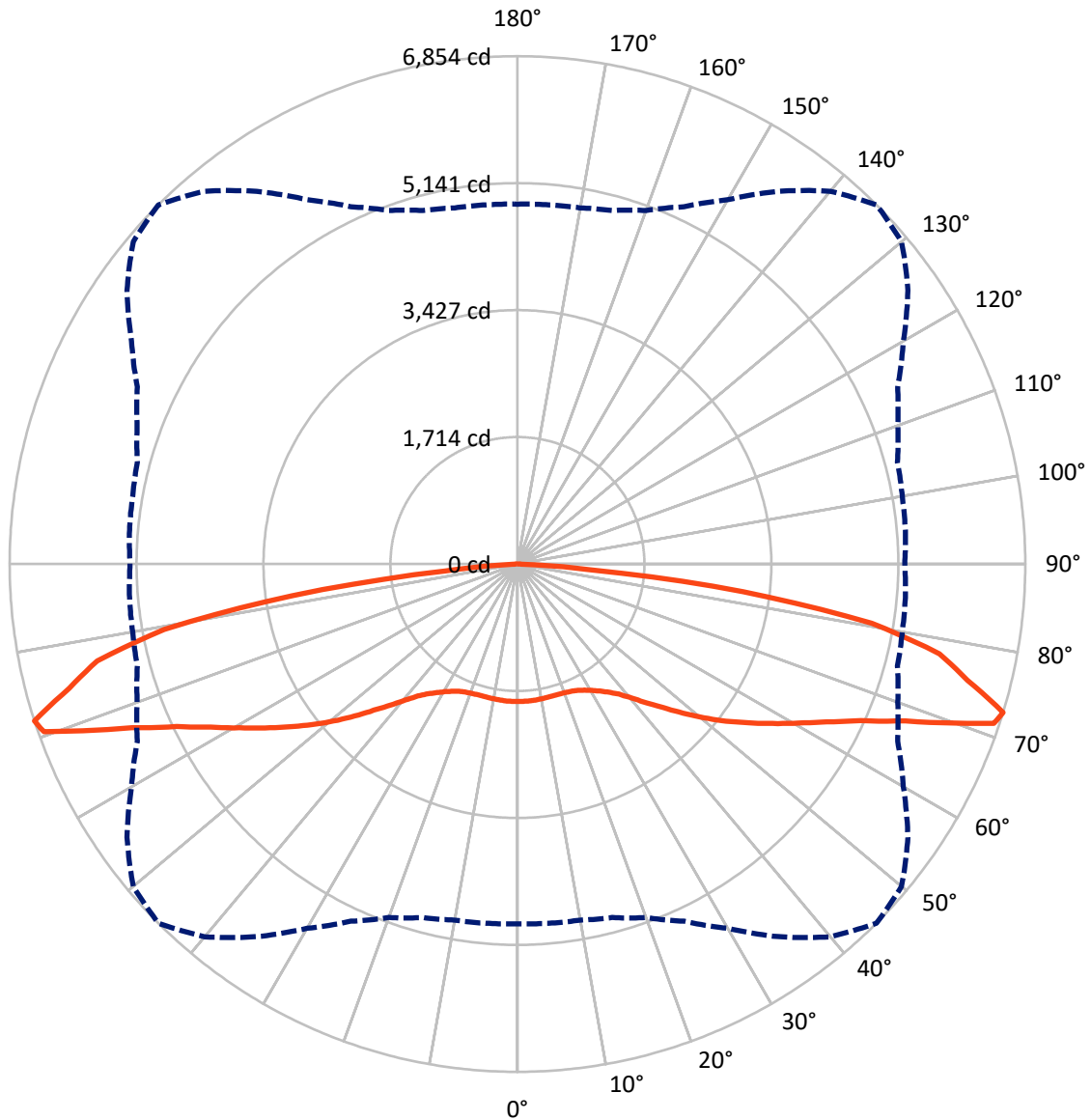
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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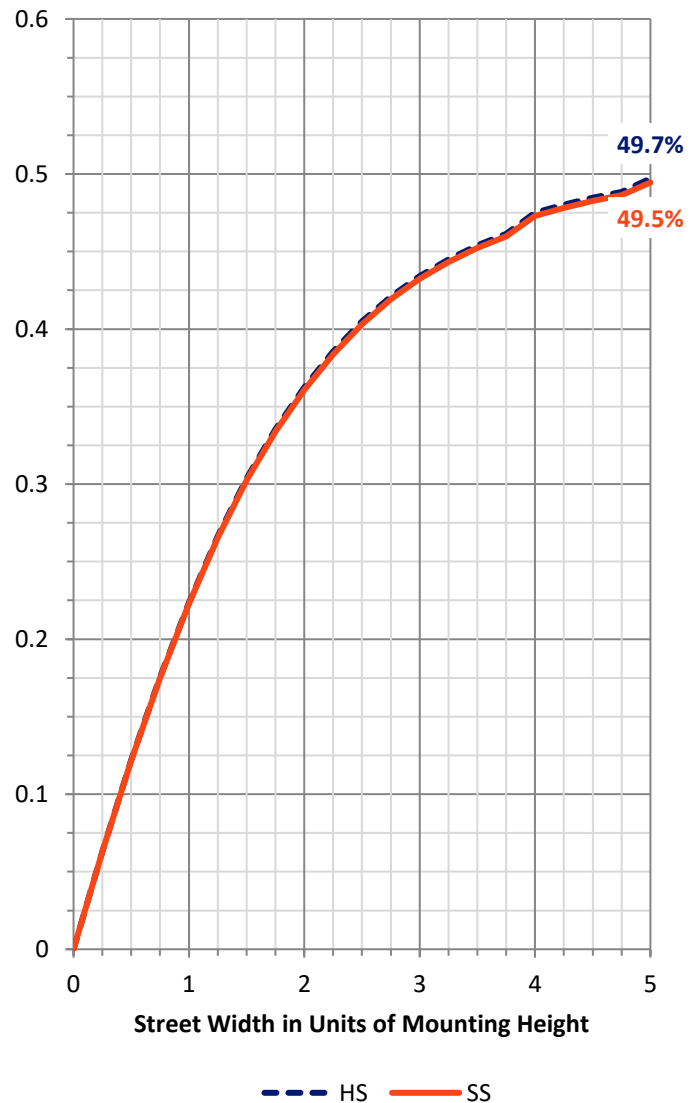
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9790.2	0.0	9790.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9790.2	0.0	9790.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19580.4	0.0	19580.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	0.9
10°-20°	523.0	2.7
20°-30°	875.8	4.5
30°-40°	1335.2	6.8
40°-50°	2132.0	10.9
50°-60°	3278.1	16.7
60°-70°	4772.9	24.4
70°-80°	5376.7	27.5
80°-90°	1109.9	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°	19580.4	100.0
0°-180°	19580.4	100.0



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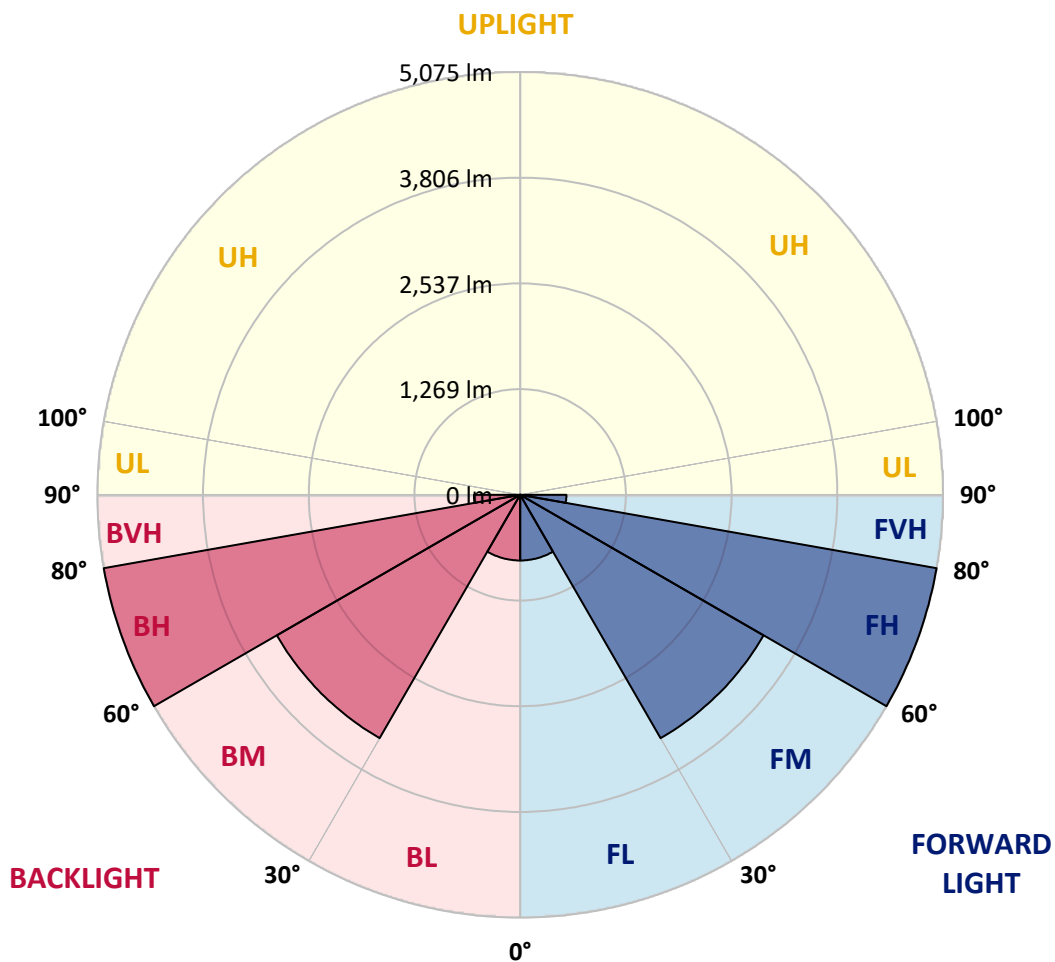
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	787.8	4.0			
FM	(30°-60°)	3372.6	17.2			
FH	(60°-80°)	5074.8	25.9			G3/7500
FVH	(80°-90°)	555.0	2.8			G4/750
BL	(0°-30°)	787.8	4.0	B2/1000		
BM	(30°-60°)	3372.6	17.2	B3/5000		
BH	(60°-80°)	5074.8	25.9	B5		G3/7500
BVH	(80°-90°)	555.0	2.8			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2
2.5°	1858.2	1859.3	1858.8	1857.7	1858.2	1857.7	1856.8	1856.2	1852.6	1854.7	1857.8
5°	1858.2	1857.2	1856.7	1856.2	1856.2	1857.8	1856.2	1854.7	1854.1	1855.1	1853.7
7.5°	1857.2	1855.2	1854.2	1853.7	1854.2	1854.7	1853.2	1851.1	1852.6	1851.1	1849.0
10°	1854.1	1852.6	1853.2	1851.1	1851.6	1851.1	1849.0	1847.5	1848.5	1847.0	1844.4
12.5°	1855.1	1852.6	1852.1	1851.1	1850.6	1850.1	1847.5	1845.0	1845.5	1844.4	1841.9
15°	1855.1	1853.7	1853.2	1851.1	1850.6	1849.5	1846.4	1845.4	1845.4	1843.9	1840.8
17.5°	1856.2	1855.1	1855.1	1852.6	1851.6	1851.1	1847.5	1845.9	1847.5	1844.4	1842.4
20°	1859.3	1858.2	1858.9	1857.2	1855.2	1855.2	1852.6	1851.6	1852.1	1851.6	1846.0
22.5°	1865.5	1865.5	1866.5	1866.0	1865.5	1866.0	1863.9	1863.9	1864.5	1864.5	1859.8
25°	1882.9	1882.4	1883.4	1883.4	1883.9	1887.5	1886.0	1885.5	1888.1	1888.1	1883.4
27.5°	1915.8	1914.7	1915.8	1916.8	1919.3	1923.9	1922.9	1924.5	1928.6	1927.6	1923.5
30°	1953.7	1952.7	1955.2	1958.3	1960.4	1967.6	1964.5	1972.2	1975.8	1978.9	1975.8
32.5°	2009.1	2009.1	2013.7	2015.8	2020.4	2027.6	2028.6	2034.8	2039.4	2044.6	2040.9
35°	2083.0	2082.0	2085.6	2089.1	2094.8	2101.5	2104.0	2112.2	2119.4	2123.0	2116.4
37.5°	2195.9	2190.2	2196.9	2199.0	2203.5	2205.1	2212.2	2222.6	2230.3	2229.2	2224.7
40°	2348.8	2347.8	2345.2	2342.1	2349.2	2351.8	2351.8	2365.7	2378.0	2376.0	2375.4
42.5°	2527.3	2522.7	2519.6	2519.6	2523.7	2524.8	2540.6	2550.9	2559.6	2561.7	2559.6
45°	2719.2	2714.6	2715.6	2713.5	2715.0	2721.7	2731.0	2749.9	2766.4	2766.8	2758.1
47.5°	2925.4	2911.1	2922.3	2906.4	2916.2	2921.3	2944.5	2972.1	3000.8	3006.0	2998.3
50°	3134.7	3133.2	3132.2	3129.1	3133.7	3145.1	3173.3	3216.8	3244.6	3263.0	3250.7
52.5°	3363.6	3355.9	3352.3	3347.2	3351.8	3373.9	3413.4	3451.3	3501.0	3522.1	3505.2
55°	3586.3	3583.6	3570.4	3569.8	3579.6	3614.0	3657.0	3703.7	3757.6	3781.1	3775.0
57.5°	3815.1	3800.2	3796.1	3789.9	3809.4	3841.8	3894.5	3978.8	4034.6	4061.3	4045.9
60°	4038.8	4027.5	4018.8	4016.7	4030.1	4075.2	4151.1	4252.2	4321.5	4356.4	4331.7
62.5°	4278.9	4271.7	4261.5	4249.6	4277.8	4335.8	4430.3	4542.1	4644.1	4687.3	4649.8
65°	4577.4	4562.6	4551.3	4536.4	4559.5	4632.3	4750.9	4908.4	5045.4	5095.6	5069.0
67.5°	4892.4	4878.5	4879.7	4870.5	4911.4	5012.5	5165.4	5379.3	5563.0	5648.7	5598.4
70°	5167.5	5175.1	5177.2	5214.7	5285.5	5439.4	5693.9	6028.9	6307.5	6438.3	6384.5
71°	5086.4	5103.3	5129.5	5168.5	5290.6	5472.7	5820.1	6225.9	6558.3	6780.0	6705.6
72.5°	4856.6	4866.8	4880.1	4939.7	5077.7	5318.9	5676.5	6140.2	6567.6	6854.4	6768.2
75°	4524.1	4533.9	4538.4	4580.0	4705.7	4916.1	5243.4	5654.9	6031.9	6276.2	6252.0
77.5°	4022.4	4023.8	4059.8	4123.9	4265.1	4505.6	4850.4	5277.3	5631.8	5821.7	5701.0
80°	2888.5	2869.0	2905.9	2988.5	3163.0	3439.0	3792.0	4279.4	4672.8	4850.4	4663.6
82.5°	1099.0	1158.4	1252.3	1388.8	1447.8	1754.6	2084.0	2370.4	2701.8	3072.1	2979.3
85°	117.9	132.8	166.7	206.7	261.1	361.1	499.2	681.3	839.9	987.2	876.3
87.5°	44.1	45.2	50.3	58.0	59.1	61.6	65.7	76.5	71.3	61.6	49.7
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°	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2	1855.2
2.5°	1855.2	1855.8	1855.1	1855.8	1855.8	1853.7	1854.1	1853.1
5°	1854.7	1853.2	1853.7	1854.2	1853.7	1854.7	1853.1	1854.1
7.5°	1852.1	1849.1	1850.1	1850.1	1849.0	1850.6	1849.5	1849.0
10°	1847.0	1842.9	1845.0	1843.9	1843.4	1843.9	1843.9	1843.9
12.5°	1842.4	1839.8	1840.3	1839.8	1839.3	1840.8	1840.3	1840.8
15°	1841.3	1837.3	1836.7	1835.6	1836.3	1837.3	1837.3	1838.8
17.5°	1840.3	1835.2	1834.7	1833.7	1834.2	1836.3	1836.7	1835.6
20°	1843.4	1839.3	1838.3	1837.3	1836.8	1839.3	1838.8	1838.8
22.5°	1857.8	1852.6	1852.1	1848.0	1846.4	1848.0	1847.0	1847.0
25°	1880.8	1874.6	1872.6	1866.9	1862.9	1862.9	1861.3	1860.3
27.5°	1922.4	1913.2	1911.1	1906.5	1900.8	1901.9	1898.9	1898.2
30°	1970.7	1962.4	1955.2	1948.6	1942.0	1939.4	1935.8	1935.2
32.5°	2033.8	2024.5	2015.8	2007.6	1998.3	1994.7	1988.6	1985.5
35°	2111.2	2098.9	2088.6	2083.0	2073.8	2069.1	2065.1	2069.6
37.5°	2219.5	2204.6	2199.5	2192.7	2186.6	2179.5	2180.9	2179.5
40°	2369.3	2356.0	2350.8	2339.0	2337.5	2329.2	2334.4	2329.3
42.5°	2554.5	2529.8	2526.2	2517.1	2514.0	2509.3	2511.4	2507.8
45°	2756.1	2734.1	2729.9	2715.0	2715.5	2704.8	2708.9	2708.9
47.5°	2982.9	2959.8	2940.8	2930.1	2925.9	2919.3	2922.9	2922.3
50°	3216.8	3185.5	3164.6	3143.4	3134.2	3136.8	3129.6	3142.0
52.5°	3468.3	3421.6	3391.8	3371.8	3354.4	3357.9	3359.0	3362.6
55°	3728.4	3668.8	3625.7	3599.6	3583.7	3584.7	3589.3	3593.4
57.5°	3990.1	3915.6	3857.1	3818.1	3807.9	3812.5	3812.5	3812.0
60°	4261.5	4172.1	4096.8	4052.6	4043.4	4040.8	4060.8	4054.1
62.5°	4552.8	4445.6	4367.6	4311.2	4297.8	4307.2	4325.0	4320.9
65°	4939.2	4790.9	4690.4	4634.4	4611.8	4621.0	4645.2	4644.1
67.5°	5437.3	5230.1	5097.2	5025.3	5008.9	5020.2	5033.6	5046.4
70°	6182.3	5886.2	5696.5	5540.9	5474.3	5461.5	5474.8	5475.2
71°	6444.5	6104.2	5802.1	5612.2	5503.0	5456.8	5460.4	5437.3
72.5°	6433.7	6014.5	5661.0	5462.4	5310.6	5273.7	5255.8	5228.0
75°	6000.1	5622.6	5315.8	5099.3	4953.0	4909.4	4877.6	4876.1
77.5°	5441.5	5162.9	4824.8	4595.4	4417.4	4345.1	4312.7	4311.7
80°	4374.3	3957.2	3709.8	3571.8	3356.9	3294.8	3229.2	3204.6
82.5°	2645.3	2067.2	1680.7	1493.5	1389.8	1144.7	1027.2	971.7
85°	616.2	437.6	301.7	198.0	142.6	113.4	87.3	77.0
87.5°	41.6	32.8	29.2	23.6	17.9	17.4	10.8	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)