

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: P676980

Luminaire Tested: **CCW-SA-2C-730-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676980
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

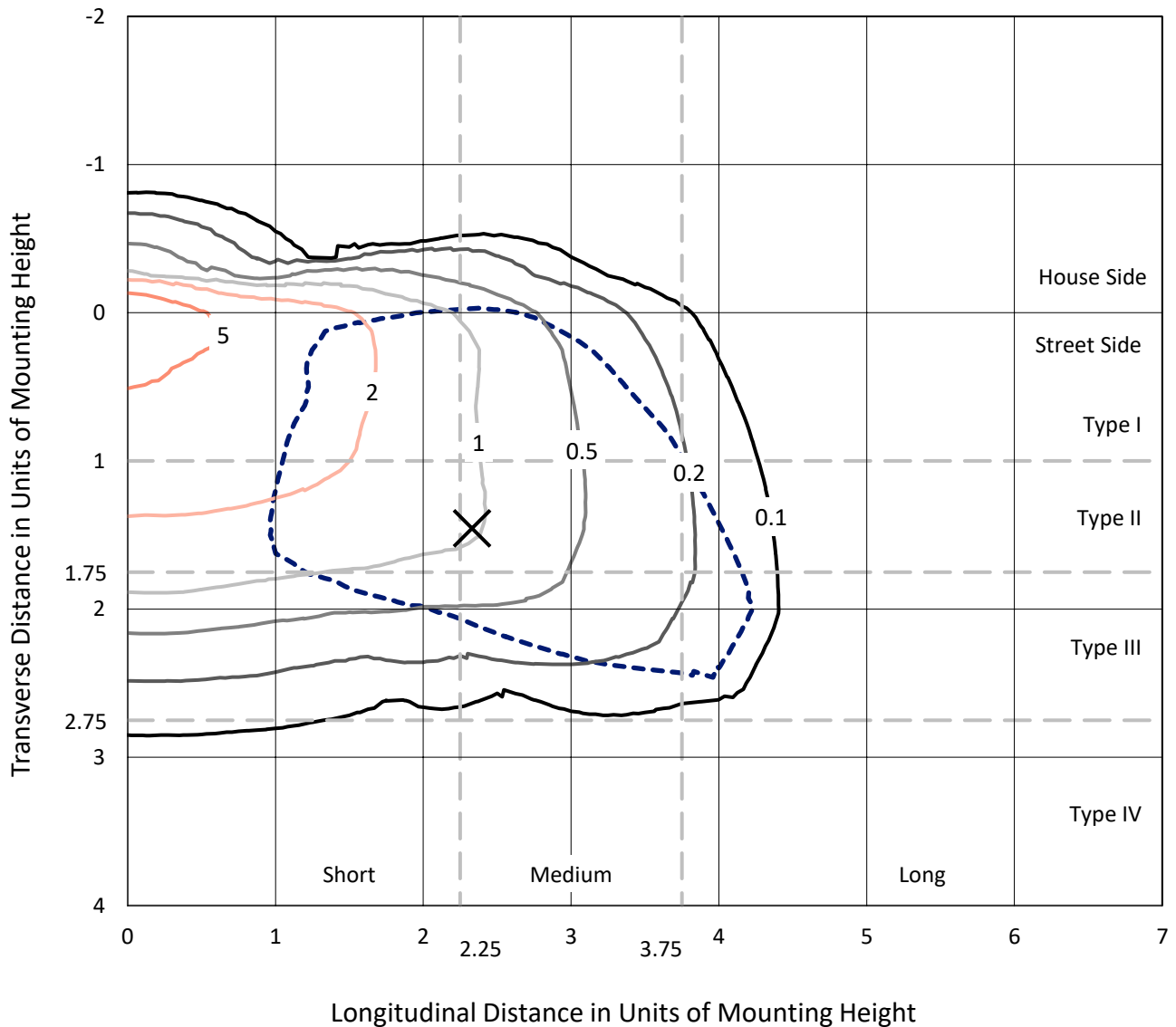
Lumens per Lamp: N/A
Luminaire Lumens: 6803.5 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
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

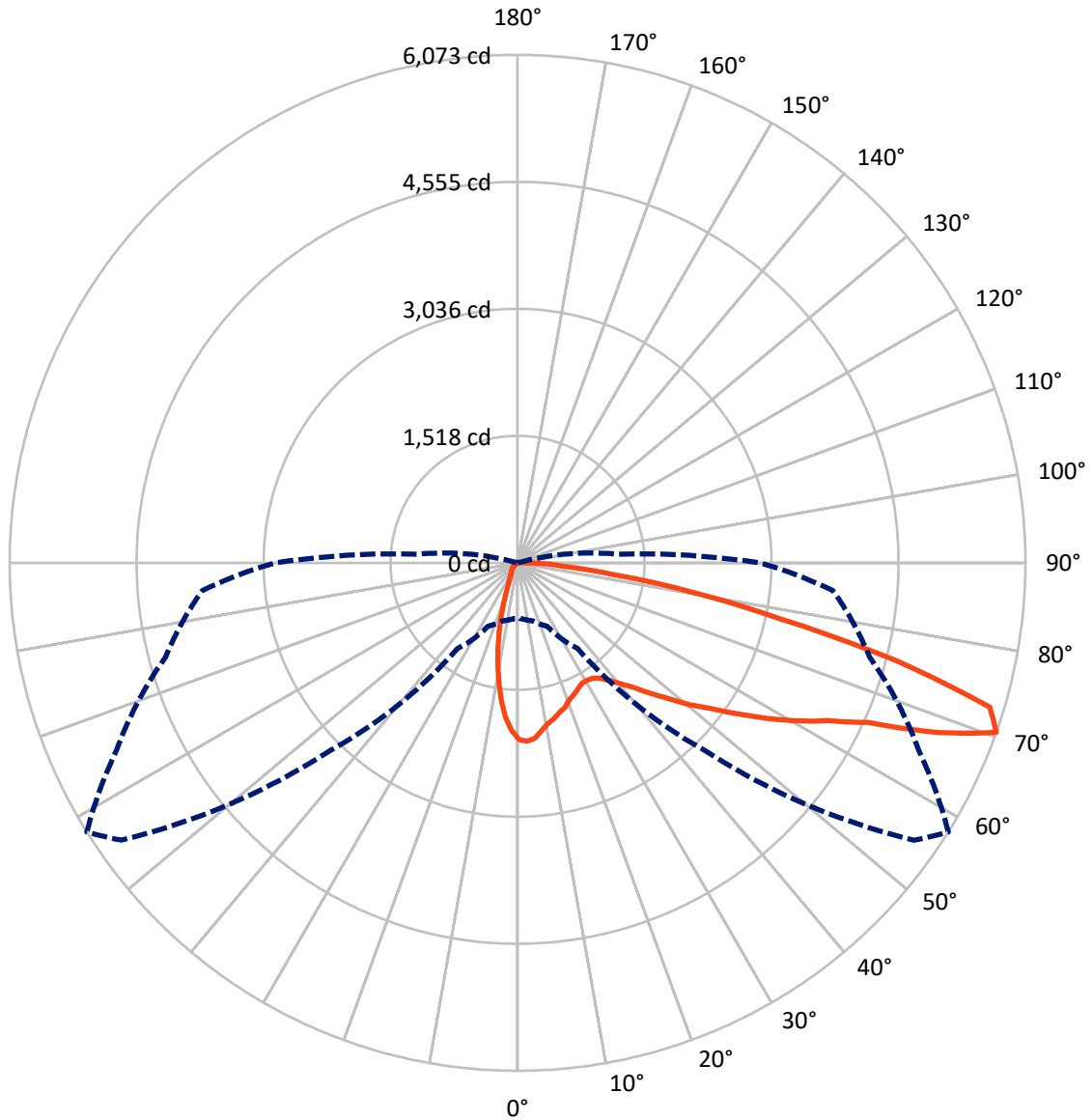
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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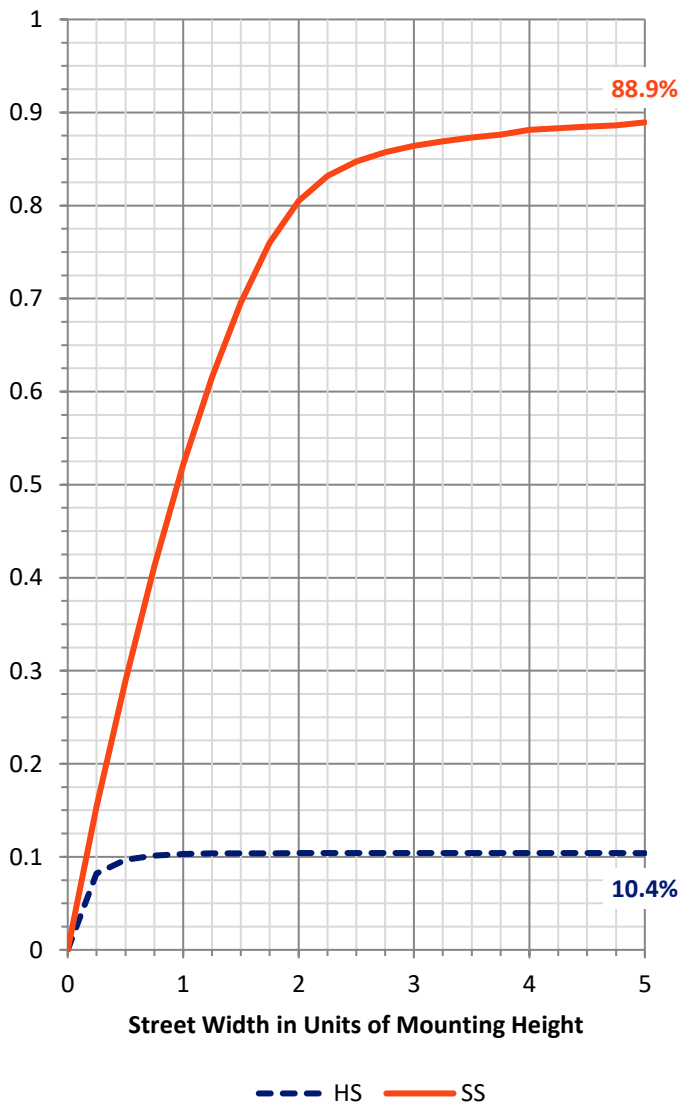
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	712.4	0.0	712.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6091.0	0.0	6091.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	6803.5	0.0	6803.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	2.5
10°-20°	358.8	5.3
20°-30°	480.4	7.1
30°-40°	649.4	9.5
40°-50°	932.0	13.7
50°-60°	1373.4	20.2
60°-70°	1675.3	24.6
70°-80°	1023.0	15.0
80°-90°	139.0	2.0
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°	6803.5	100.0
0°-180°	6803.5	100.0

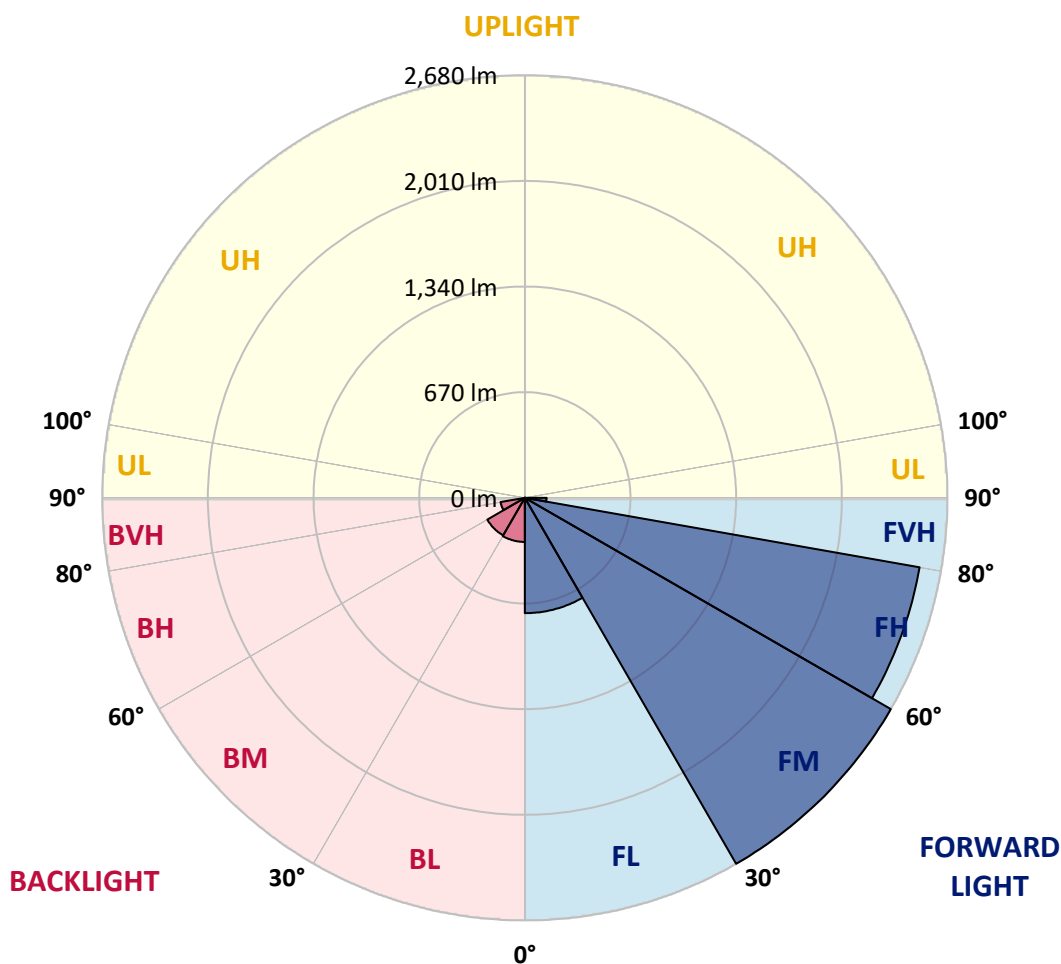


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.5	10.8			
FM (30°-60°)	2679.8	39.4			
FH (60°-80°)	2542.1	37.4			G2/5000
FVH (80°-90°)	137.6	2.0			G2/225
BL (0°-30°)	280.0	4.1	B1/500		
BM (30°-60°)	275.0	4.0	B1/1000		
BH (60°-80°)	156.1	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0
2.5°	2150.3	2158.3	2139.1	2161.5	2140.7	2150.3	2139.1	2135.9	2137.5	2139.1	2126.4
5°	2049.8	2068.9	2076.9	2064.2	2094.5	2089.7	2108.8	2110.4	2102.4	2094.5	2096.1
7.5°	1917.4	1936.5	1944.5	1952.5	1982.8	2022.7	2048.2	2032.2	2045.0	2073.7	2030.7
10°	1821.7	1816.9	1815.3	1831.3	1888.7	1922.2	1965.2	1960.5	1992.4	2019.5	1984.4
12.5°	1703.6	1694.1	1722.8	1735.5	1786.6	1845.6	1879.1	1914.2	1946.1	1974.8	1934.9
15°	1615.9	1623.9	1635.0	1662.2	1698.9	1777.0	1826.5	1860.0	1917.4	1931.8	1915.8
17.5°	1545.7	1552.1	1568.1	1582.4	1628.7	1703.6	1781.8	1821.7	1882.3	1920.6	1871.1
20°	1547.3	1528.2	1528.2	1542.5	1568.1	1657.4	1740.3	1753.1	1836.0	1901.4	1867.9
22.5°	1548.9	1542.5	1528.2	1526.6	1537.7	1601.6	1686.1	1714.8	1804.1	1880.7	1840.8
25°	1571.2	1547.3	1548.9	1526.6	1531.4	1563.3	1630.3	1673.3	1775.4	1891.9	1826.5
27.5°	1590.4	1601.6	1579.2	1569.6	1542.5	1540.9	1596.8	1633.5	1761.1	1917.4	1836.0
30°	1633.5	1641.4	1641.4	1635.0	1609.5	1572.8	1585.6	1631.9	1732.4	1912.6	1820.1
32.5°	1705.2	1690.9	1710.0	1700.5	1667.0	1609.5	1620.7	1644.6	1749.9	1973.2	1845.6
35°	1729.2	1740.3	1765.9	1745.1	1734.0	1700.5	1678.1	1695.7	1775.4	2033.8	1883.9
37.5°	1802.5	1786.6	1804.1	1850.4	1861.6	1800.9	1757.9	1783.4	1871.1	2105.6	1919.0
40°	1808.9	1821.7	1853.6	1944.5	1955.7	1930.2	1895.1	1901.4	1966.8	2198.1	2006.7
42.5°	1840.8	1855.2	1920.6	1997.2	2057.8	2062.6	2037.0	2037.0	2092.9	2346.5	2104.0
45°	1903.0	1879.1	1963.7	2092.9	2180.6	2198.1	2231.6	2223.7	2268.3	2502.8	2285.9
47.5°	1927.0	1934.9	2027.5	2183.8	2284.3	2365.6	2421.5	2423.1	2445.4	2702.2	2522.0
50°	2005.1	2003.5	2115.2	2260.4	2408.7	2557.1	2665.5	2665.5	2663.9	2896.8	2724.6
52.5°	2108.8	2105.6	2191.8	2364.0	2557.1	2743.7	2887.3	2892.0	2928.7	3136.1	2957.4
55°	2277.9	2263.5	2346.5	2474.1	2705.4	2931.9	3180.8	3182.4	3153.7	3306.8	3124.9
57.5°	2419.9	2418.3	2486.9	2609.7	2871.3	3174.4	3463.1	3506.2	3415.3	3482.3	3258.9
60°	2383.2	2403.9	2545.9	2727.7	3046.8	3477.5	3767.8	3834.8	3689.6	3601.9	3359.4
62.5°	2155.1	2202.9	2357.7	2648.0	3195.1	3917.7	4187.3	4157.0	3833.2	3704.0	3482.3
65°	1550.5	1598.4	1789.8	2225.3	3022.8	4228.8	4739.3	4602.1	4088.4	3855.5	3646.6
67.5°	912.4	931.6	1051.2	1419.7	2260.4	4059.7	5409.2	5420.4	4590.9	4088.4	3930.5
70°	658.8	673.2	719.4	837.5	1252.2	3182.4	5782.5	6072.8	5288.0	4356.4	3780.6
72.5°	505.7	505.7	583.8	697.1	797.6	1906.2	5321.5	5903.7	5439.5	4099.6	3046.8
75°	363.7	373.3	457.8	599.8	735.4	957.1	3920.9	4685.0	4610.0	3322.7	2128.0
77.5°	209.0	213.8	322.2	502.5	690.7	657.2	2423.1	3176.0	3265.3	2080.1	922.0
80°	106.9	110.1	180.3	397.2	625.3	572.7	1445.2	2091.3	1773.8	604.6	213.8
82.5°	52.6	52.6	81.4	253.6	531.2	507.3	850.2	1154.9	628.5	138.8	89.3
85°	17.5	19.1	36.7	143.6	384.4	306.3	520.0	548.7	210.6	52.6	49.5
87.5°	4.8	6.4	9.6	52.6	167.5	201.0	309.5	350.9	86.1	20.7	23.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0
2.5°	2078.5	2067.3	2054.6	2022.7	1997.2	1963.7	1941.3	1923.8	1890.3	1896.7	1882.3
5°	2057.8	2037.0	1963.7	1893.5	1829.7	1732.4	1665.4	1622.3	1587.2	1552.1	1577.6
7.5°	2021.1	1971.6	1856.8	1726.0	1590.4	1462.8	1335.2	1258.6	1202.8	1151.7	1150.1
10°	1958.9	1879.1	1698.9	1528.2	1319.2	1151.7	989.0	861.4	778.4	717.8	716.2
12.5°	1888.7	1805.7	1579.2	1301.7	1060.8	824.7	630.1	494.5	416.3	368.5	362.1
15°	1844.0	1722.8	1429.3	1100.7	802.4	537.6	349.3	264.8	234.5	223.3	223.3
17.5°	1786.6	1647.8	1280.9	891.7	556.7	311.1	226.5	204.2	202.6	199.4	196.2
20°	1762.7	1590.4	1148.5	711.4	352.5	220.1	194.6	189.8	189.8	186.6	183.4
22.5°	1698.9	1507.4	1008.1	521.6	234.5	193.0	183.4	177.1	173.9	170.7	173.9
25°	1670.1	1448.4	875.7	360.5	191.4	172.3	167.5	161.1	156.3	154.7	154.7
27.5°	1651.0	1389.4	746.5	250.4	169.1	157.9	148.4	143.6	137.2	130.8	130.8
30°	1636.6	1343.1	622.1	185.0	151.5	140.4	132.4	121.2	113.3	106.9	106.9
32.5°	1617.5	1288.9	497.7	157.9	137.2	126.0	111.7	102.1	90.9	86.1	86.1
35°	1623.9	1252.2	390.8	140.4	122.8	108.5	95.7	82.9	71.8	67.0	65.4
37.5°	1636.6	1225.1	296.7	126.0	110.1	94.1	79.8	65.4	59.0	52.6	52.6
40°	1690.9	1217.1	218.5	116.4	100.5	82.9	67.0	54.2	47.9	43.1	41.5
42.5°	1781.8	1228.3	169.1	105.3	90.9	70.2	55.8	44.7	38.3	33.5	31.9
45°	1898.3	1271.4	138.8	98.9	79.8	59.0	44.7	36.7	28.7	25.5	25.5
47.5°	2067.3	1338.3	121.2	90.9	70.2	49.5	38.3	28.7	22.3	19.1	19.1
50°	2258.8	1414.9	106.9	81.4	60.6	41.5	30.3	22.3	16.0	14.4	14.4
52.5°	2450.2	1512.2	98.9	75.0	52.6	33.5	23.9	16.0	11.2	9.6	9.6
55°	2651.2	1598.4	89.3	70.2	43.1	27.1	17.5	9.6	6.4	4.8	4.8
57.5°	2791.5	1631.9	78.2	60.6	33.5	20.7	12.8	6.4	3.2	1.6	1.6
60°	2892.0	1636.6	67.0	49.5	25.5	16.0	8.0	3.2	1.6	0.0	0.0
62.5°	2976.6	1646.2	57.4	38.3	19.1	11.2	4.8	1.6	0.0	0.0	0.0
65°	3144.1	1638.2	46.3	30.3	12.8	6.4	3.2	0.0	0.0	0.0	0.0
67.5°	3276.5	1558.5	36.7	20.7	8.0	3.2	1.6	0.0	0.0	0.0	0.0
70°	2898.4	1188.4	28.7	14.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	2276.3	792.8	19.1	8.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0
75°	1493.1	394.0	14.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	580.6	103.7	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	140.4	35.1	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	60.6	12.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.1	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)