

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: P676959

Luminaire Tested: **CCW-SA-2D-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676959
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

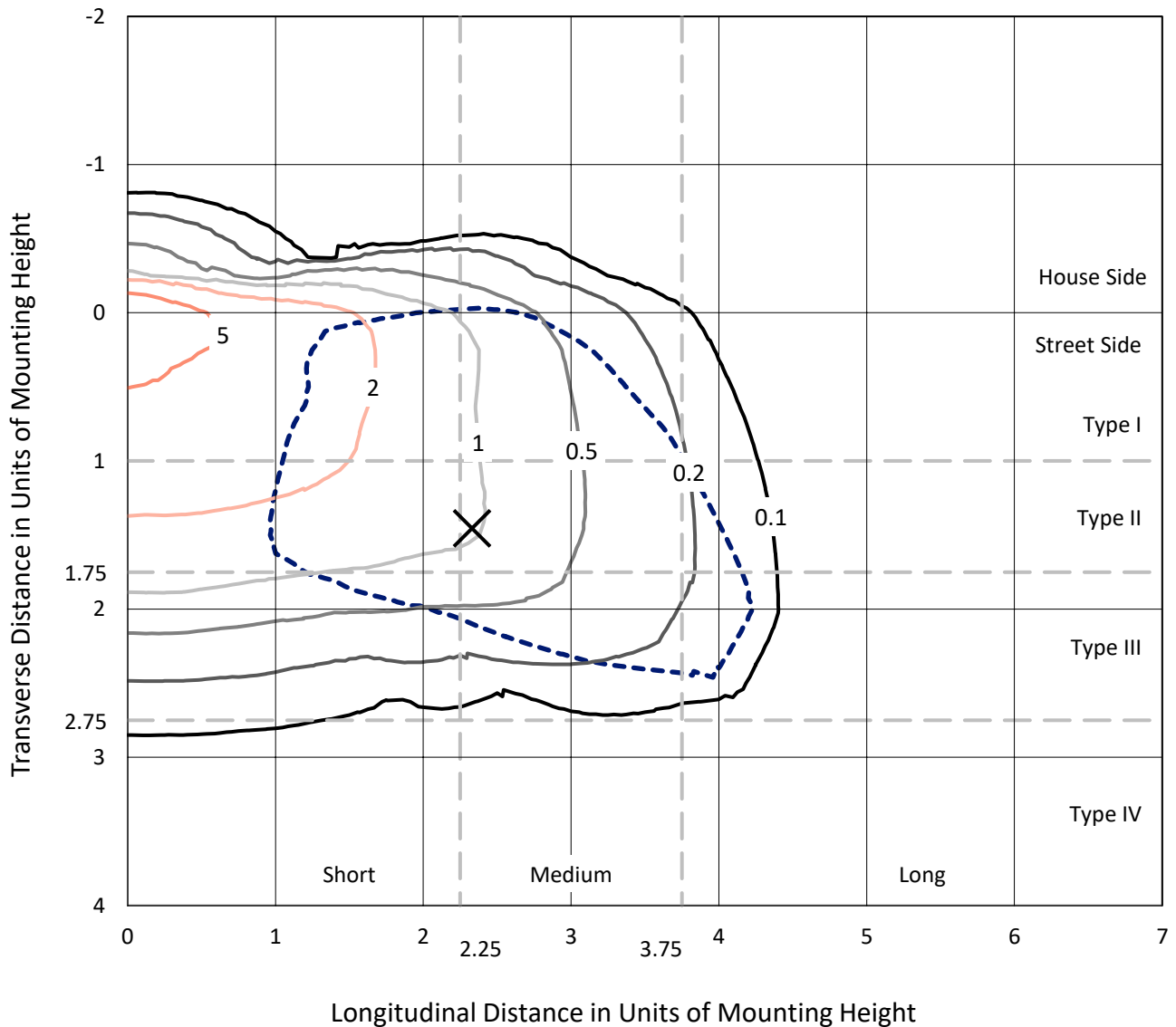
Lumens per Lamp: N/A
Luminaire Lumens: 6788.6 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
Input Voltage (V): 120
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

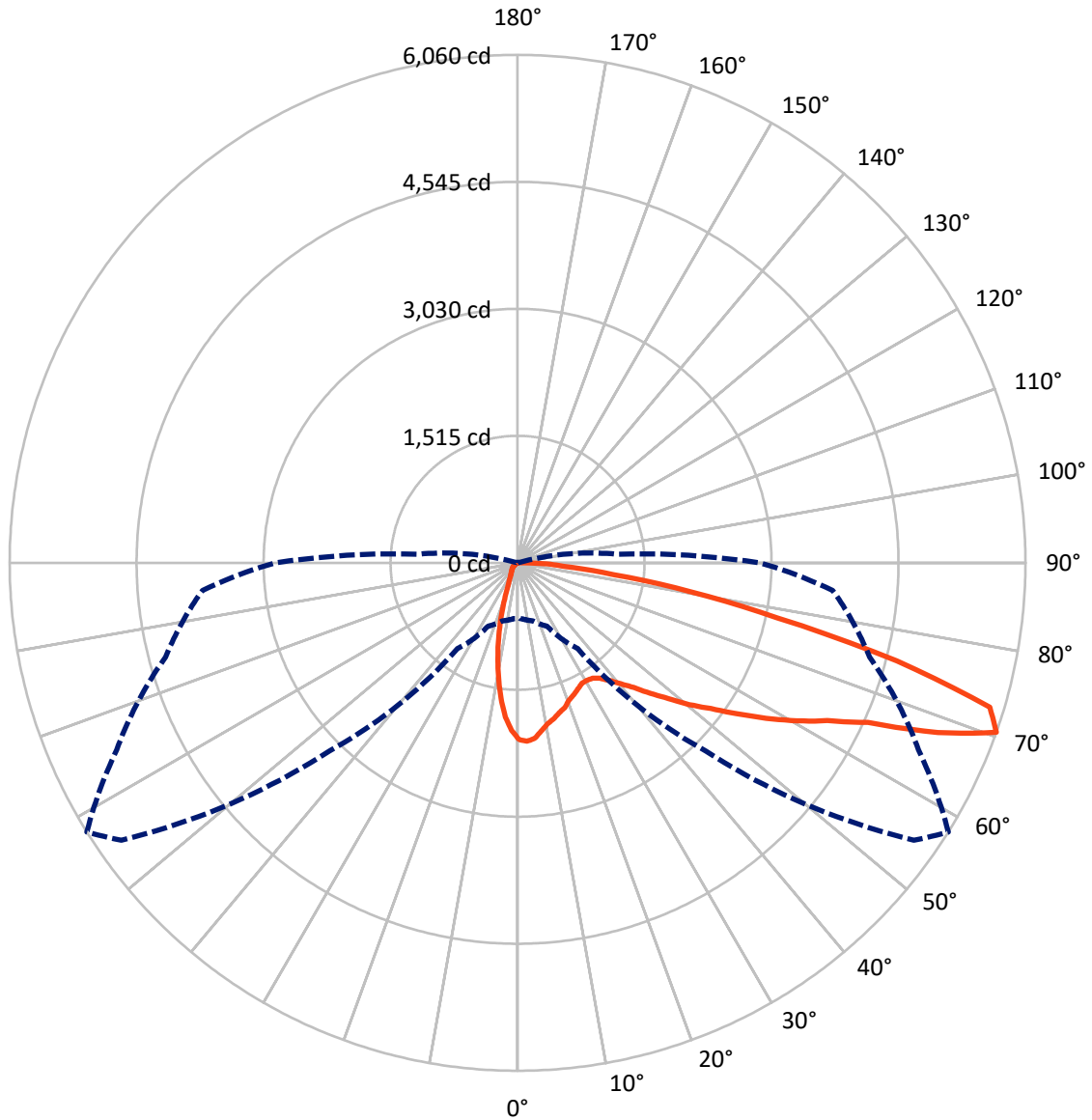
✕ Max cd
 - - - 1/2 Max cd



Based on 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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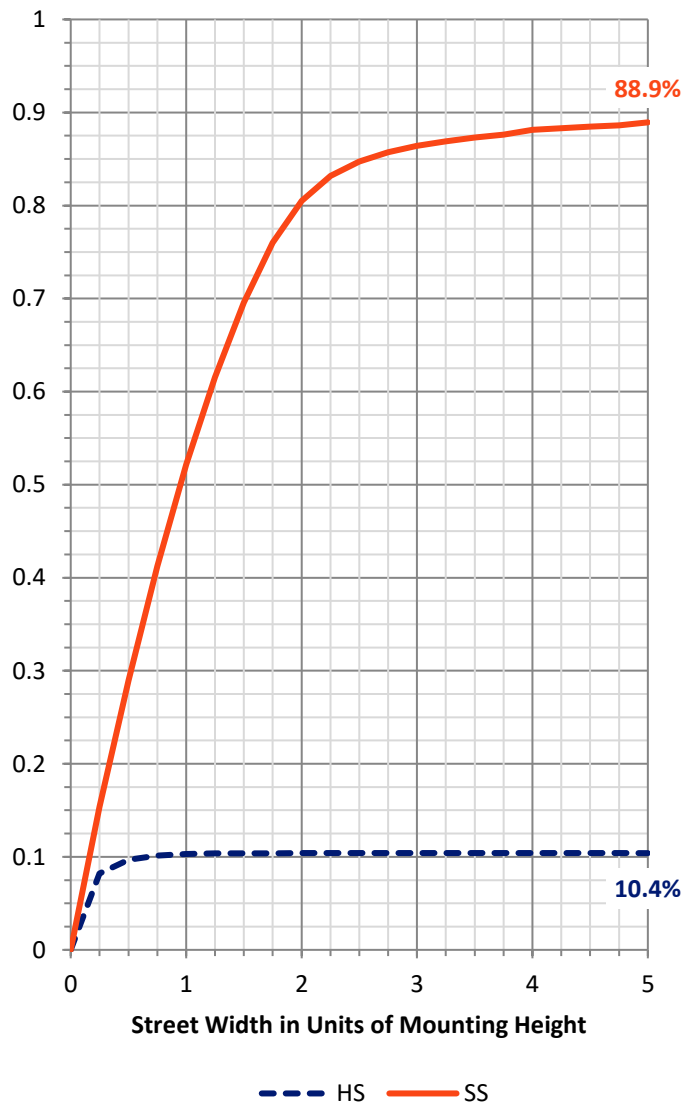
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	710.9	0.0	710.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6077.7	0.0	6077.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	6788.6	0.0	6788.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	2.5
10°-20°	358.0	5.3
20°-30°	479.3	7.1
30°-40°	647.9	9.5
40°-50°	929.9	13.7
50°-60°	1370.4	20.2
60°-70°	1671.6	24.6
70°-80°	1020.7	15.0
80°-90°	138.7	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°	6788.6	100.0
0°-180°	6788.6	100.0

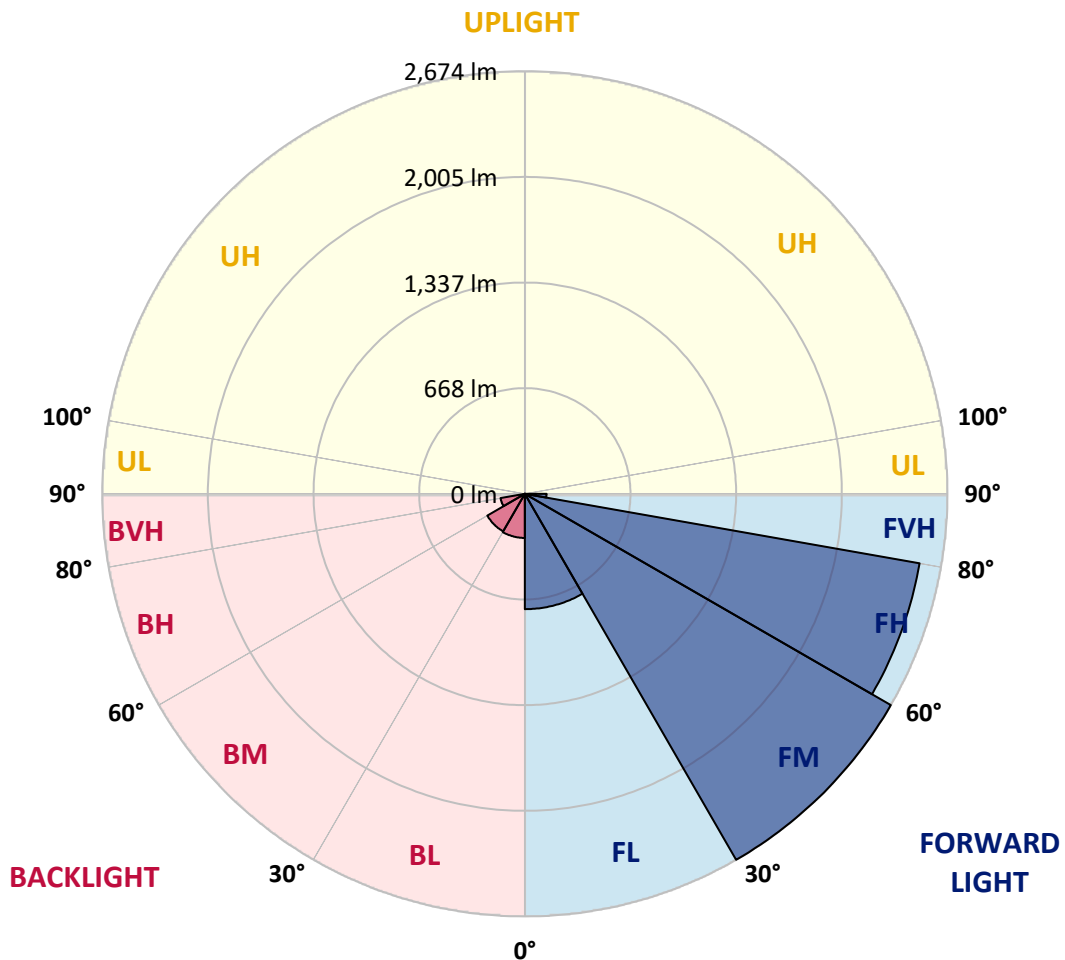


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.9	10.8			
FM (30°-60°)	2673.9	39.4			
FH (60°-80°)	2536.5	37.4			G2/5000
FVH (80°-90°)	137.3	2.0			G2/225
BL (0°-30°)	279.4	4.1	B1/500		
BM (30°-60°)	274.4	4.0	B1/1000		
BH (60°-80°)	155.8	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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°	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4
2.5°	2145.6	2153.5	2134.4	2156.7	2136.0	2145.6	2134.4	2131.2	2132.8	2134.4	2121.7
5°	2045.3	2064.4	2072.4	2059.6	2089.9	2085.1	2104.2	2105.8	2097.8	2089.9	2091.5
7.5°	1913.2	1932.3	1940.2	1948.2	1978.4	2018.2	2043.7	2027.8	2040.5	2069.2	2026.2
10°	1817.7	1812.9	1811.3	1827.2	1884.5	1918.0	1960.9	1956.2	1988.0	2015.1	1980.0
12.5°	1699.9	1690.4	1719.0	1731.7	1782.7	1841.6	1875.0	1910.0	1941.8	1970.5	1930.7
15°	1612.4	1620.3	1631.5	1658.5	1695.1	1773.1	1822.5	1855.9	1913.2	1927.5	1911.6
17.5°	1542.3	1548.7	1564.6	1578.9	1625.1	1699.9	1777.9	1817.7	1878.2	1916.4	1867.0
20°	1543.9	1524.8	1524.8	1539.1	1564.6	1653.7	1736.5	1749.2	1832.0	1897.3	1863.8
22.5°	1545.5	1539.1	1524.8	1523.2	1534.4	1598.0	1682.4	1711.0	1800.2	1876.6	1836.8
25°	1567.8	1543.9	1545.5	1523.2	1528.0	1559.8	1626.7	1669.7	1771.5	1887.7	1822.5
27.5°	1586.9	1598.0	1575.8	1566.2	1539.1	1537.6	1593.3	1629.9	1757.2	1913.2	1832.0
30°	1629.9	1637.8	1637.8	1631.5	1606.0	1569.4	1582.1	1628.3	1728.6	1908.4	1816.1
32.5°	1701.5	1687.2	1706.3	1696.7	1663.3	1606.0	1617.1	1641.0	1746.1	1968.9	1841.6
35°	1725.4	1736.5	1762.0	1741.3	1730.1	1696.7	1674.4	1691.9	1771.5	2029.4	1879.8
37.5°	1798.6	1782.7	1800.2	1846.3	1857.5	1797.0	1754.0	1779.5	1867.0	2101.0	1914.8
40°	1805.0	1817.7	1849.5	1940.2	1951.4	1925.9	1890.9	1897.3	1962.5	2193.3	2002.3
42.5°	1836.8	1851.1	1916.4	1992.8	2053.3	2058.0	2032.6	2032.6	2088.3	2341.3	2099.4
45°	1898.9	1875.0	1959.3	2088.3	2175.8	2193.3	2226.7	2218.8	2263.4	2497.3	2280.9
47.5°	1922.7	1930.7	2023.0	2179.0	2279.3	2360.4	2416.2	2417.7	2440.0	2696.3	2516.4
50°	2000.7	1999.1	2110.6	2255.4	2403.4	2551.4	2659.7	2659.7	2658.1	2890.5	2718.6
52.5°	2104.2	2101.0	2187.0	2358.9	2551.4	2737.7	2880.9	2885.7	2922.3	3129.2	2951.0
55°	2272.9	2258.6	2341.3	2468.7	2699.5	2925.5	3173.8	3175.4	3146.7	3299.5	3118.1
57.5°	2414.6	2413.0	2481.4	2604.0	2865.0	3167.4	3455.5	3498.5	3407.8	3474.6	3251.8
60°	2378.0	2398.6	2540.3	2721.8	3040.1	3469.8	3759.5	3826.4	3681.5	3594.0	3352.1
62.5°	2150.3	2198.1	2352.5	2642.2	3188.1	3909.1	4178.1	4147.9	3824.8	3695.9	3474.6
65°	1547.1	1594.9	1785.9	2220.4	3016.2	4219.5	4728.8	4592.0	4079.4	3847.1	3638.6
67.5°	910.4	929.5	1048.9	1416.6	2255.4	4050.8	5397.3	5408.5	4580.8	4079.4	3921.9
70°	657.4	671.7	717.8	835.6	1249.5	3175.4	5769.8	6059.5	5276.4	4346.8	3772.3
72.5°	504.6	504.6	582.6	695.6	795.8	1902.0	5309.8	5890.8	5427.6	4090.6	3040.1
75°	362.9	372.5	456.8	598.5	733.8	955.0	3912.3	4674.7	4599.9	3315.4	2123.3
77.5°	208.5	213.3	321.5	501.4	689.2	655.8	2417.7	3169.0	3258.1	2075.5	920.0
80°	106.6	109.8	179.9	396.3	623.9	571.4	1442.1	2086.7	1769.9	603.2	213.3
82.5°	52.5	52.5	81.2	253.1	530.0	506.2	848.4	1152.4	627.1	138.5	89.1
85°	17.5	19.1	36.6	143.3	383.6	305.6	518.9	547.5	210.1	52.5	49.3
87.5°	4.8	6.4	9.6	52.5	167.1	200.6	308.8	350.2	86.0	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°	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4	2107.4
2.5°	2073.9	2062.8	2050.1	2018.2	1992.8	1959.3	1937.1	1919.6	1886.1	1892.5	1878.2
5°	2053.3	2032.6	1959.3	1889.3	1825.6	1728.6	1661.7	1618.7	1583.7	1548.7	1574.2
7.5°	2016.6	1967.3	1852.7	1722.2	1586.9	1459.6	1332.2	1255.8	1200.1	1149.2	1147.6
10°	1954.6	1875.0	1695.1	1524.8	1316.3	1149.2	986.8	859.5	776.7	716.3	714.7
12.5°	1884.5	1801.8	1575.8	1298.8	1058.5	822.9	628.7	493.4	415.4	367.7	361.3
15°	1840.0	1719.0	1426.1	1098.3	800.6	536.4	348.6	264.2	234.0	222.8	222.8
17.5°	1782.7	1644.2	1278.1	889.7	555.5	310.4	226.0	203.7	202.1	199.0	195.8
20°	1758.8	1586.9	1146.0	709.9	351.8	219.7	194.2	189.4	189.4	186.2	183.0
22.5°	1695.1	1504.1	1005.9	520.5	234.0	192.6	183.0	176.7	173.5	170.3	173.5
25°	1666.5	1445.2	873.8	359.7	191.0	171.9	167.1	160.8	156.0	154.4	154.4
27.5°	1647.4	1386.3	744.9	249.9	168.7	157.6	148.0	143.3	136.9	130.5	130.5
30°	1633.1	1340.2	620.8	184.6	151.2	140.1	132.1	121.0	113.0	106.6	106.6
32.5°	1614.0	1286.1	496.6	157.6	136.9	125.7	111.4	101.9	90.7	86.0	86.0
35°	1620.3	1249.5	390.0	140.1	122.6	108.2	95.5	82.8	71.6	66.9	65.3
37.5°	1633.1	1222.4	296.1	125.7	109.8	93.9	79.6	65.3	58.9	52.5	52.5
40°	1687.2	1214.4	218.1	116.2	100.3	82.8	66.9	54.1	47.8	43.0	41.4
42.5°	1777.9	1225.6	168.7	105.1	90.7	70.0	55.7	44.6	38.2	33.4	31.8
45°	1894.1	1268.6	138.5	98.7	79.6	58.9	44.6	36.6	28.7	25.5	25.5
47.5°	2062.8	1335.4	121.0	90.7	70.0	49.3	38.2	28.7	22.3	19.1	19.1
50°	2253.8	1411.8	106.6	81.2	60.5	41.4	30.2	22.3	15.9	14.3	14.3
52.5°	2444.8	1508.9	98.7	74.8	52.5	33.4	23.9	15.9	11.1	9.6	9.6
55°	2645.4	1594.9	89.1	70.0	43.0	27.1	17.5	9.6	6.4	4.8	4.8
57.5°	2785.4	1628.3	78.0	60.5	33.4	20.7	12.7	6.4	3.2	1.6	1.6
60°	2885.7	1633.1	66.9	49.3	25.5	15.9	8.0	3.2	1.6	0.0	0.0
62.5°	2970.1	1642.6	57.3	38.2	19.1	11.1	4.8	1.6	0.0	0.0	0.0
65°	3137.2	1634.6	46.2	30.2	12.7	6.4	3.2	0.0	0.0	0.0	0.0
67.5°	3269.3	1555.1	36.6	20.7	8.0	3.2	1.6	0.0	0.0	0.0	0.0
70°	2892.1	1185.8	28.7	14.3	4.8	1.6	0.0	0.0	0.0	0.0	0.0
72.5°	2271.3	791.1	19.1	8.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0
75°	1489.8	393.1	14.3	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	579.4	103.5	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	140.1	35.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	60.5	12.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	36.6	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)