

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: P675474

Luminaire Tested: **CCW-SA-2D-835-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675474
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

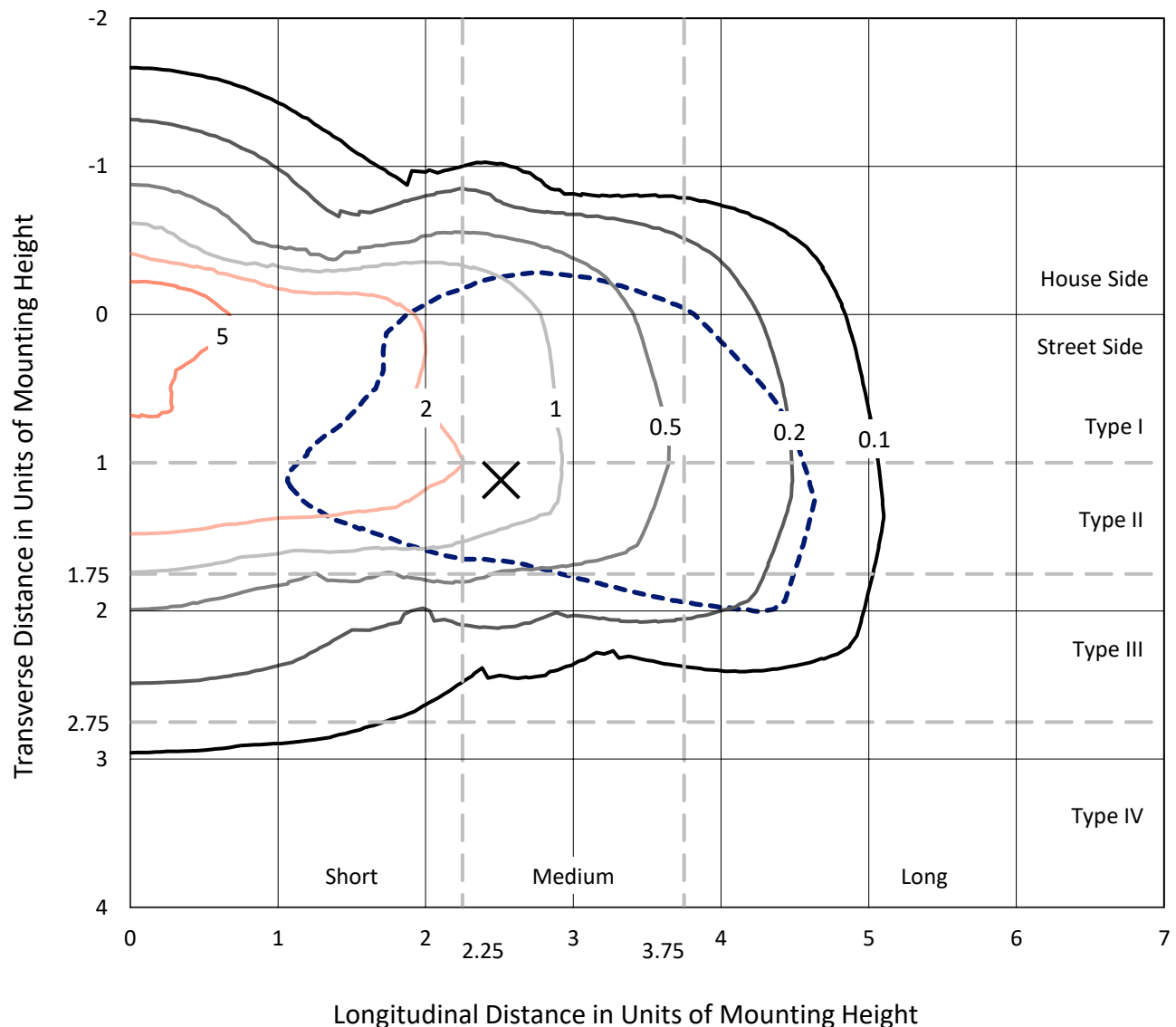
Lumens per Lamp: N/A
Luminaire Lumens: 9095.1 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

REPORT NUMBER: P675474
 CATALOG NUMBER: CCW-SA-2D-835-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

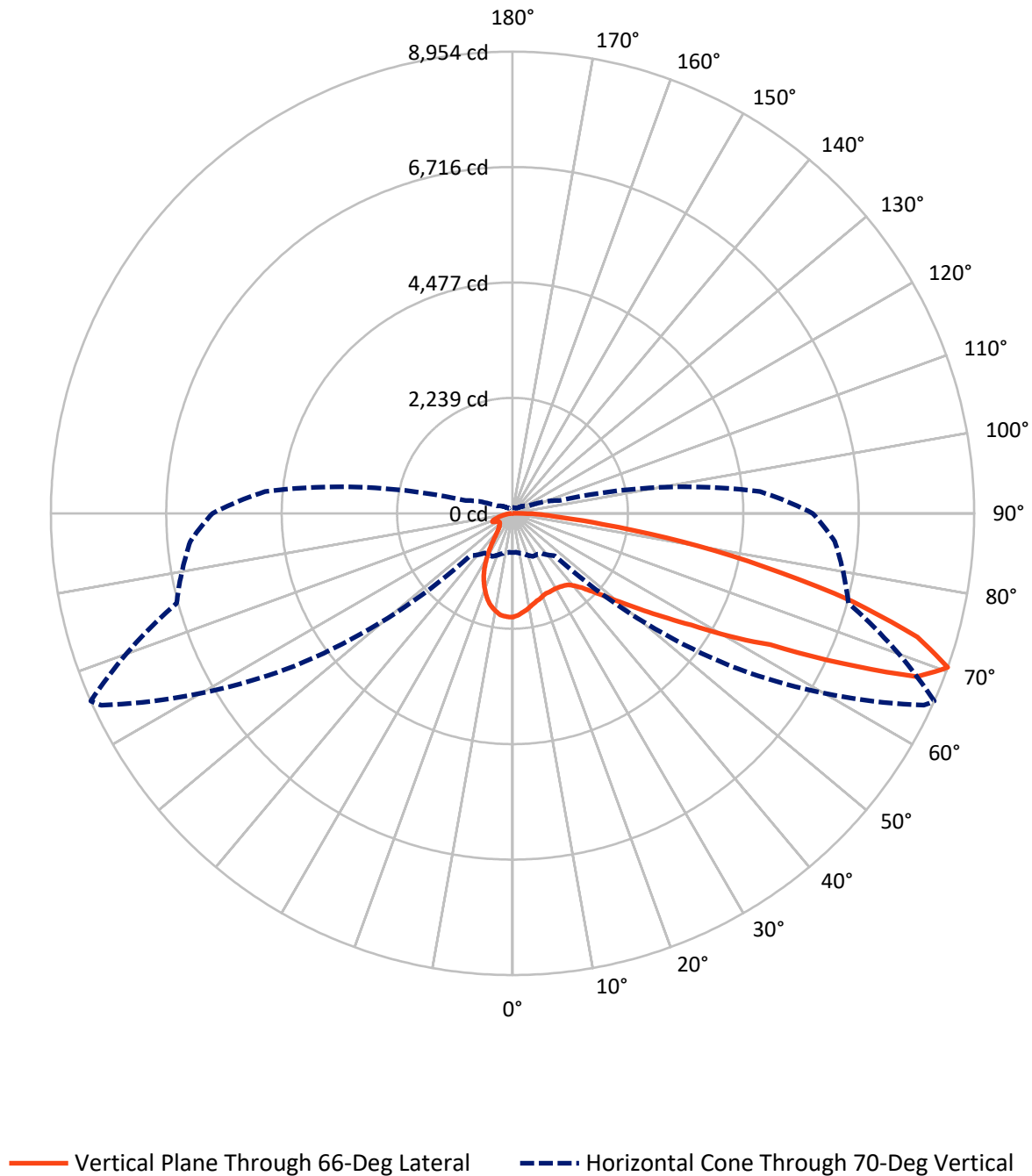
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P675474
CATALOG NUMBER: CCW-SA-2D-835-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P675474

CATALOG NUMBER: CCW-SA-2D-835-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.7	0.0	1861.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7233.5	0.0	7233.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	9095.1	0.0	9095.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	2.0
10°-20°	437.4	4.8
20°-30°	600.7	6.6
30°-40°	805.4	8.9
40°-50°	1168.5	12.8
50°-60°	1776.2	19.5
60°-70°	2193.7	24.1
70°-80°	1631.3	17.9
80°-90°	304.3	3.3
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°	9095.1	100.0
0°-180°	9095.1	100.0

Coefficient of Utilization



REPORT NUMBER: P675474

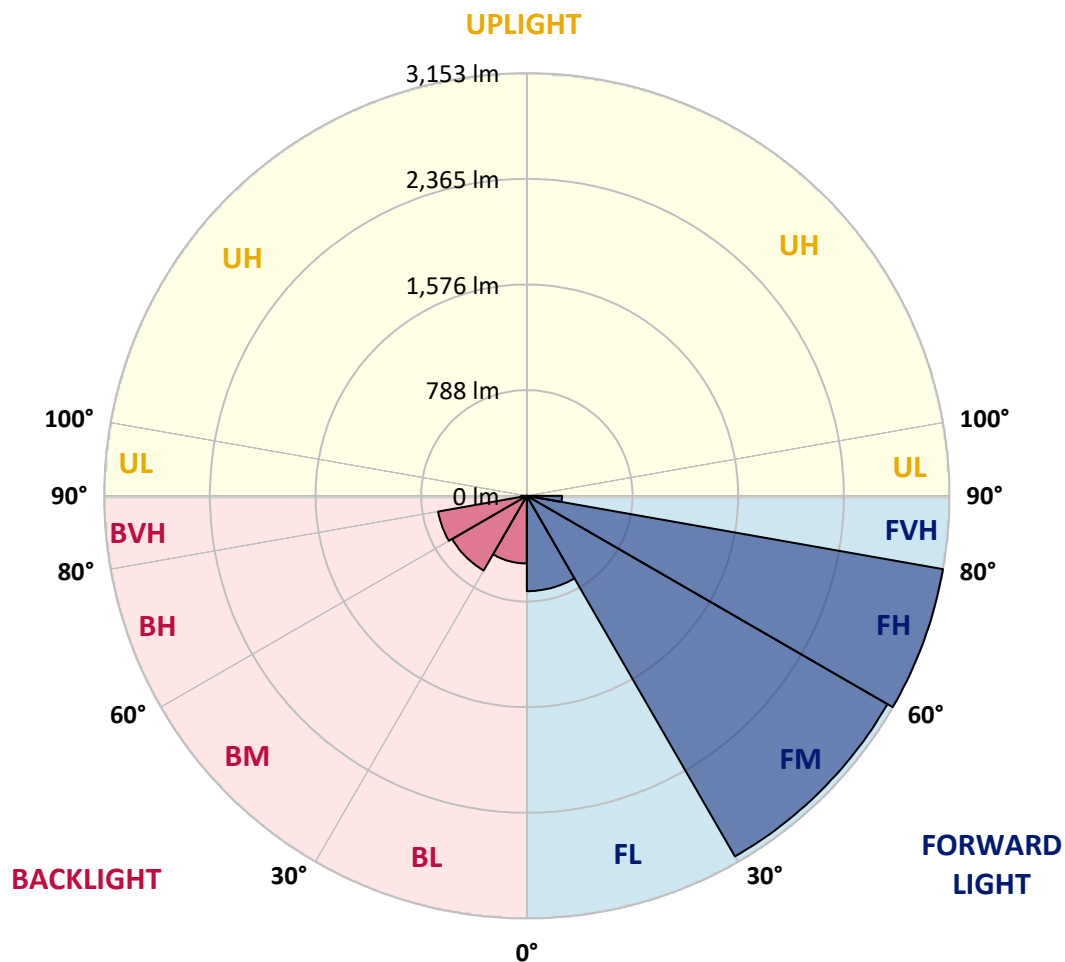
CATALOG NUMBER: CCW-SA-2D-835-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.2	7.8			
FM	(30°-60°)	3107.0	34.2			
FH	(60°-80°)	3153.0	34.7			G2/5000
FVH	(80°-90°)	262.3	2.9			G3/500
BL	(0°-30°)	504.6	5.5	B2/1000		
BM	(30°-60°)	643.1	7.1	B1/1000		
BH	(60°-80°)	672.0	7.4	B2/1000		G2/1000
BVH	(80°-90°)	42.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P675474

CATALOG NUMBER: CCW-SA-2D-835-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4
2.5°	1911.3	1921.4	1924.8	1931.6	1948.5	1962.0	1982.3	1992.5	1982.3	1995.9	1995.9
5°	1779.4	1765.8	1799.7	1813.2	1833.5	1860.6	1907.9	1945.1	1935.0	1975.6	2009.4
7.5°	1667.7	1667.7	1677.9	1708.3	1732.0	1772.6	1823.3	1880.9	1897.8	1951.9	2002.6
10°	1566.2	1579.8	1579.8	1627.1	1640.7	1688.0	1772.6	1843.6	1847.0	1938.4	2009.4
12.5°	1512.1	1505.4	1539.2	1552.7	1593.3	1640.7	1708.3	1796.3	1799.7	1897.8	1995.9
15°	1468.1	1474.9	1491.8	1525.7	1562.9	1600.1	1664.3	1745.5	1762.5	1877.5	1989.1
17.5°	1471.5	1474.9	1474.9	1498.6	1529.0	1573.0	1633.9	1728.6	1738.8	1850.4	1979.0
20°	1491.8	1478.3	1488.4	1498.6	1518.9	1559.5	1610.2	1691.4	1701.6	1847.0	2002.6
22.5°	1535.8	1525.7	1522.3	1518.9	1515.5	1539.2	1603.5	1671.1	1681.3	1830.1	2012.8
25°	1606.8	1603.5	1579.8	1556.1	1539.2	1539.2	1589.9	1688.0	1684.6	1830.1	2019.5
27.5°	1691.4	1691.4	1688.0	1644.1	1593.3	1566.2	1600.1	1681.3	1677.9	1830.1	2036.5
30°	1806.4	1806.4	1796.3	1755.7	1664.3	1586.5	1606.8	1674.5	1684.6	1816.6	2022.9
32.5°	1931.6	1928.2	1938.4	1901.1	1806.4	1681.3	1647.4	1688.0	1698.2	1830.1	2026.3
35°	2022.9	2043.2	2077.1	2043.2	1948.5	1779.4	1704.9	1715.1	1721.9	1833.5	2039.8
37.5°	2127.8	2151.5	2198.8	2225.9	2124.4	1928.2	1796.3	1759.1	1759.1	1877.5	2043.2
40°	2280.0	2256.3	2337.5	2384.9	2344.3	2110.9	1938.4	1840.3	1843.6	1935.0	2087.2
42.5°	2391.7	2415.3	2499.9	2584.5	2533.7	2334.1	2094.0	1972.2	1972.2	2019.5	2154.9
45°	2516.8	2543.9	2662.3	2763.8	2801.0	2601.4	2307.1	2161.6	2154.9	2185.3	2276.6
47.5°	2655.5	2692.7	2828.0	2946.4	3044.5	2878.8	2581.1	2391.7	2388.3	2412.0	2479.6
50°	2814.5	2828.0	2939.7	3156.2	3352.4	3247.5	2916.0	2716.4	2699.5	2709.6	2801.0
52.5°	2861.9	2851.7	2980.3	3213.7	3572.3	3697.4	3372.7	3085.1	3078.4	3054.7	3173.1
55°	2689.3	2723.2	2848.3	3146.0	3751.6	4228.5	3873.3	3589.2	3528.3	3464.0	3606.1
57.5°	2344.3	2347.7	2489.8	2841.6	3612.9	4668.3	4722.4	4083.1	4086.5	3913.9	4076.3
60°	1823.3	1813.2	1924.8	2242.8	3217.1	4803.6	5649.3	4871.3	4837.4	4363.8	4512.7
62.5°	1315.9	1295.6	1319.3	1505.4	2405.2	4597.3	6559.3	5754.2	5612.1	4823.9	4938.9
65°	1082.5	1092.7	1102.8	1112.9	1349.7	3792.1	6840.1	7195.3	7005.8	5361.8	5409.1
67.5°	896.4	903.2	947.2	1008.1	1001.3	2239.4	6515.3	8528.1	8457.1	6028.2	5815.1
70°	761.1	757.8	808.5	920.1	937.0	1163.7	5158.8	8802.1	8954.3	6745.4	6275.1
72.5°	608.9	615.7	659.7	808.5	920.1	981.0	2970.1	8213.5	8210.1	7296.8	6028.2
75°	436.4	436.4	497.3	669.8	889.7	970.9	1644.1	6667.5	6792.7	6857.0	5229.8
77.5°	287.5	301.1	348.4	500.7	835.6	950.6	1041.9	4847.6	5003.2	5128.4	4001.9
80°	196.2	203.0	233.4	348.4	707.0	957.3	852.5	3261.0	3321.9	2831.4	1623.8
82.5°	118.4	121.8	155.6	243.6	507.4	910.0	801.7	1799.7	1762.5	855.9	466.8
85°	64.3	67.7	98.1	162.4	334.9	795.0	788.2	882.9	822.0	314.6	196.2
87.5°	23.7	23.7	44.0	81.2	192.8	544.6	686.7	524.3	490.5	159.0	91.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675474

CATALOG NUMBER: CCW-SA-2D-835-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4	2009.4
2.5°	2012.8	2012.8	2012.8	2012.8	2009.4	1995.9	2006.0	2002.6	1982.3	1985.7	1972.2
5°	2006.0	2022.9	2012.8	1999.2	1982.3	1941.7	1928.2	1918.1	1891.0	1880.9	1891.0
7.5°	2022.9	2009.4	2002.6	1979.0	1911.3	1874.1	1826.7	1769.2	1728.6	1718.5	1728.6
10°	2019.5	2019.5	1989.1	1921.4	1857.2	1748.9	1688.0	1586.5	1529.0	1512.1	1515.5
12.5°	2006.0	2016.2	1968.8	1860.6	1738.8	1606.8	1495.2	1387.0	1285.5	1244.9	1238.1
15°	2019.5	2009.4	1924.8	1786.1	1617.0	1434.3	1271.9	1112.9	1018.2	957.3	943.8
17.5°	1999.2	1989.1	1867.3	1684.6	1458.0	1224.6	1021.6	849.1	754.4	730.7	730.7
20°	2022.9	1958.7	1799.7	1562.9	1292.2	994.6	764.5	636.0	612.3	612.3	619.1
22.5°	2019.5	1951.9	1742.2	1444.5	1092.7	751.0	568.3	531.1	534.5	561.5	558.2
25°	1999.2	1938.4	1661.0	1312.5	882.9	564.9	470.2	460.1	483.7	514.2	510.8
27.5°	1995.9	1901.1	1586.5	1156.9	673.2	446.5	409.3	409.3	433.0	460.1	456.7
30°	1975.6	1870.7	1495.2	981.0	507.4	389.0	375.5	375.5	385.6	399.2	399.2
32.5°	1972.2	1830.1	1393.7	798.3	405.9	351.8	345.0	348.4	348.4	355.2	351.8
35°	1945.1	1776.0	1288.9	619.1	351.8	331.5	324.8	321.4	321.4	318.0	318.0
37.5°	1935.0	1742.2	1180.6	480.4	328.1	314.6	307.8	297.7	294.3	294.3	290.9
40°	1945.1	1708.3	1075.7	389.0	307.8	301.1	290.9	277.4	274.0	274.0	274.0
42.5°	1982.3	1704.9	967.5	338.3	297.7	287.5	274.0	260.5	257.1	260.5	257.1
45°	2066.9	1732.0	862.6	314.6	284.2	274.0	257.1	246.9	243.6	246.9	246.9
47.5°	2205.6	1806.4	767.9	301.1	274.0	260.5	243.6	233.4	233.4	233.4	233.4
50°	2435.6	1948.5	676.6	290.9	267.2	250.3	233.4	219.9	216.5	216.5	219.9
52.5°	2780.7	2192.1	602.1	284.2	257.1	236.8	219.9	209.7	203.0	199.6	203.0
55°	3196.8	2547.3	578.5	277.4	243.6	226.6	209.7	196.2	189.4	189.4	186.1
57.5°	3643.3	2939.7	619.1	270.6	233.4	213.1	196.2	182.7	175.9	172.5	172.5
60°	4127.0	3403.1	767.9	267.2	223.3	199.6	182.7	172.5	162.4	159.0	159.0
62.5°	4566.8	3822.6	1035.1	263.9	216.5	186.1	169.1	155.6	148.8	145.5	145.5
65°	5067.5	4289.4	1295.6	277.4	213.1	175.9	155.6	142.1	135.3	131.9	131.9
67.5°	5503.9	4695.4	1447.8	311.2	223.3	162.4	138.7	128.5	125.2	121.8	121.8
70°	5821.8	4820.5	970.9	341.7	240.2	152.2	125.2	118.4	111.6	111.6	111.6
72.5°	5395.6	4303.0	575.1	321.4	226.6	142.1	111.6	104.9	101.5	101.5	98.1
75°	4614.2	3663.6	443.1	260.5	182.7	121.8	98.1	91.3	88.0	88.0	84.6
77.5°	3406.5	2625.1	328.1	206.4	142.1	98.1	84.6	81.2	77.8	74.4	74.4
80°	1332.8	1150.2	223.3	152.2	104.9	77.8	71.0	67.7	64.3	60.9	60.9
82.5°	412.7	348.4	128.5	101.5	74.4	60.9	57.5	54.1	50.7	47.4	47.4
85°	179.3	172.5	84.6	64.3	50.7	40.6	40.6	37.2	33.8	30.4	30.4
87.5°	88.0	84.6	47.4	30.4	27.1	20.3	20.3	16.9	13.5	13.5	13.5
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)