

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: P675540

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675540
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

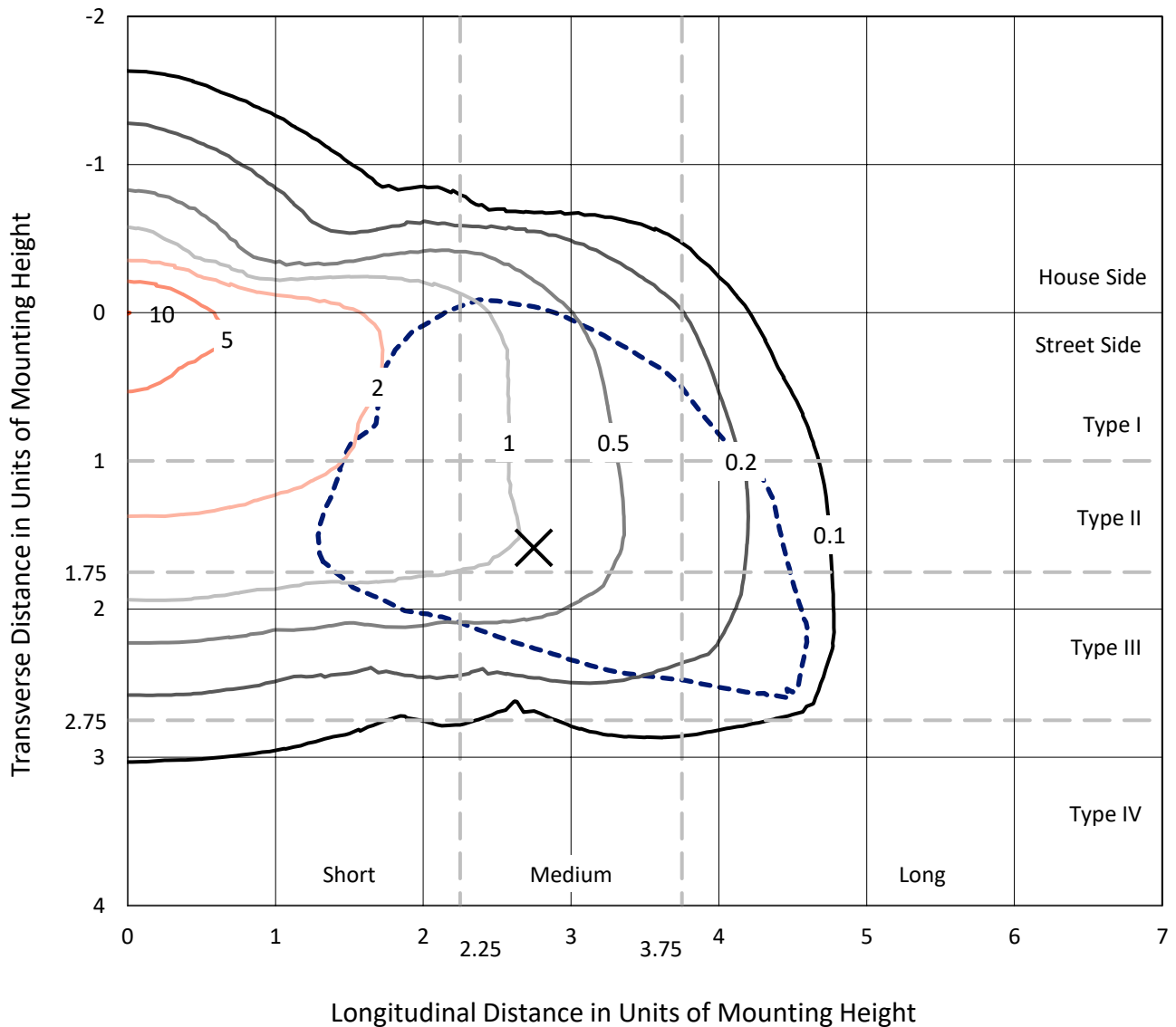
Lumens per Lamp: N/A
Luminaire Lumens: 8140.5 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

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

REPORT NUMBER: P675540
 CATALOG NUMBER: CCW-SA-2C-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

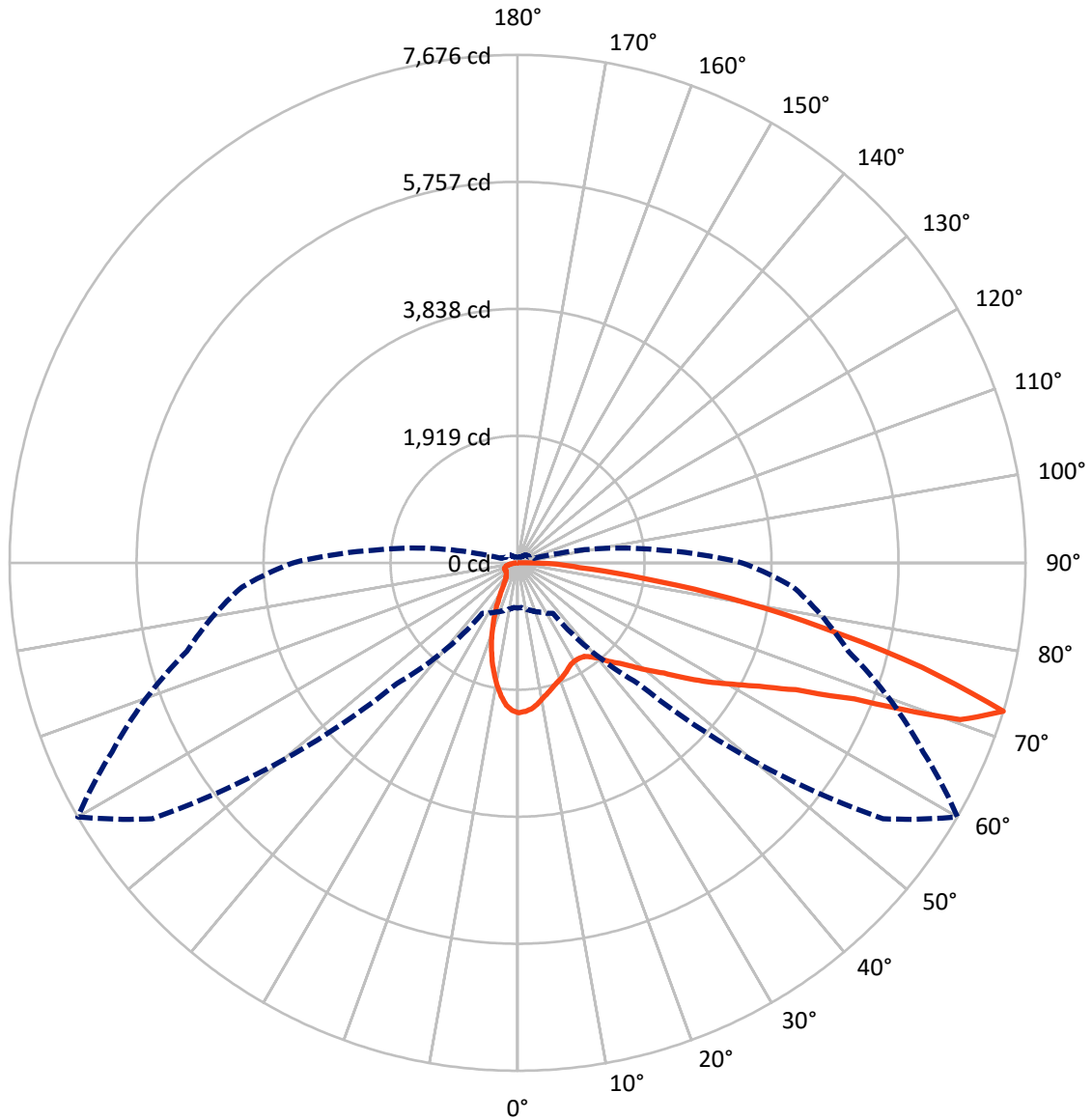
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P675540
CATALOG NUMBER: CCW-SA-2C-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1398.4	0.0	1398.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6742.1	0.0	6742.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	8140.5	0.0	8140.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	2.4
10°-20°	445.5	5.5
20°-30°	570.2	7.0
30°-40°	729.4	9.0
40°-50°	1000.4	12.3
50°-60°	1447.0	17.8
60°-70°	1985.0	24.4
70°-80°	1489.6	18.3
80°-90°	276.9	3.4
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°	8140.5	100.0
0°-180°	8140.5	100.0

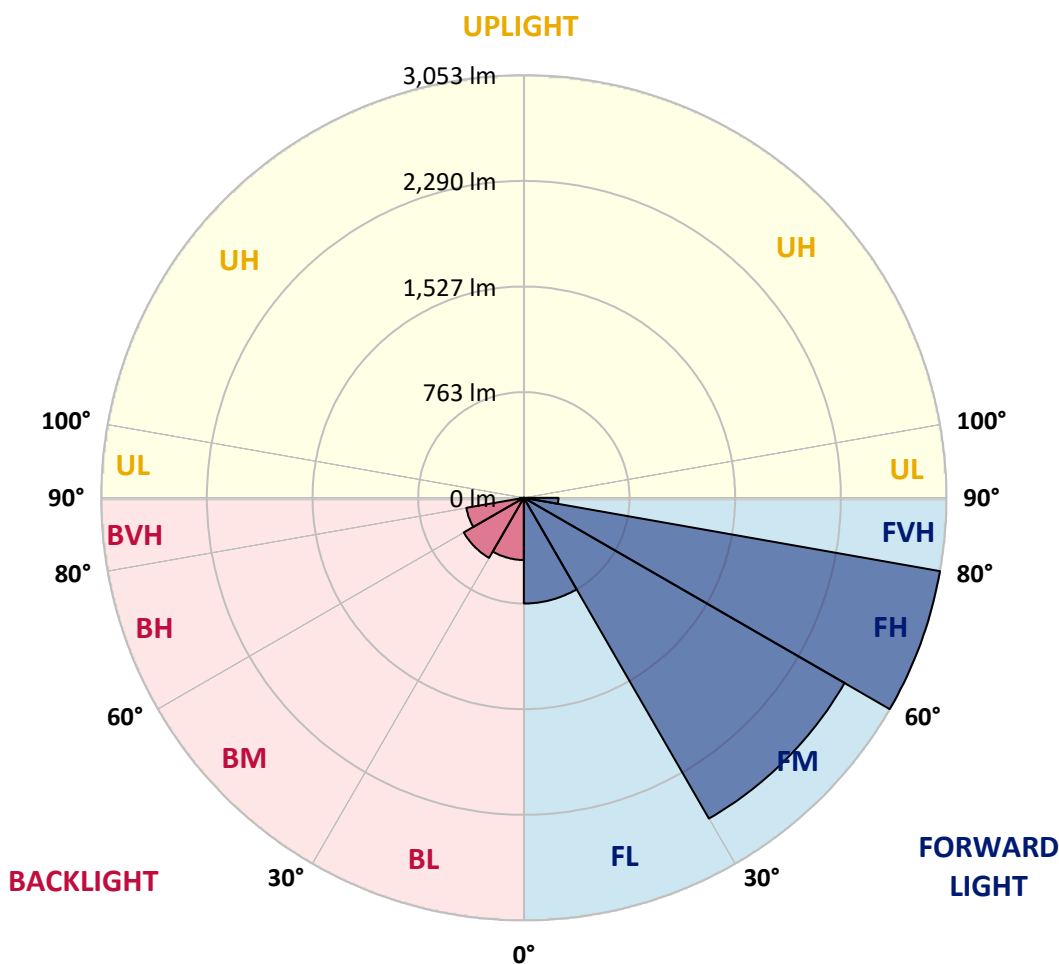


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.3	9.4			
FM (30°-60°)	2675.7	32.9			
FH (60°-80°)	3053.2	37.5			G2/5000
FVH (80°-90°)	249.9	3.1			G3/500
BL (0°-30°)	448.9	5.5	B1/500		
BM (30°-60°)	501.1	6.2	B1/1000		
BH (60°-80°)	421.4	5.2	B1/500		G1/500
BVH (80°-90°)	27.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type III Medium





REPORT NUMBER: P675540

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7
2.5°	2218.2	2239.5	2245.5	2245.5	2263.7	2242.5	2272.8	2248.5	2254.6	2263.7	2257.6
5°	2112.2	2148.5	2127.3	2166.7	2151.6	2178.8	2215.2	2215.2	2206.1	2224.3	2209.1
7.5°	2009.1	1997.0	2033.4	2033.4	2057.6	2094.0	2124.3	2154.6	2157.6	2163.7	2160.7
10°	1869.7	1884.9	1903.1	1927.3	1957.6	1994.0	2057.6	2081.9	2087.9	2124.3	2115.2
12.5°	1754.6	1775.8	1787.9	1836.4	1863.7	1915.2	1987.9	2021.3	2024.3	2075.8	2075.8
15°	1669.7	1681.9	1709.1	1727.3	1787.9	1860.7	1930.4	1960.7	1994.0	2048.5	2033.4
17.5°	1612.2	1627.3	1639.4	1663.7	1721.3	1781.9	1891.0	1909.1	1948.5	2027.3	2009.1
20°	1578.8	1581.9	1600.0	1615.2	1666.7	1724.3	1821.3	1869.7	1921.3	1991.0	1972.8
22.5°	1584.9	1572.8	1569.7	1591.0	1600.0	1654.6	1772.8	1824.3	1897.0	1978.8	1948.5
25°	1597.0	1600.0	1594.0	1575.8	1578.8	1627.3	1706.1	1772.8	1854.6	1975.8	1915.2
27.5°	1627.3	1642.5	1618.2	1600.0	1581.9	1600.0	1681.9	1730.3	1821.3	1991.0	1912.2
30°	1657.6	1672.8	1666.7	1639.4	1603.1	1597.0	1654.6	1715.2	1803.1	2003.1	1912.2
32.5°	1703.1	1724.3	1703.1	1712.2	1669.7	1642.5	1663.7	1718.2	1821.3	2045.5	1915.2
35°	1754.6	1772.8	1778.8	1757.6	1748.5	1697.0	1709.1	1736.4	1839.4	2094.0	1945.5
37.5°	1812.2	1833.4	1851.6	1854.6	1824.3	1794.0	1787.9	1803.1	1884.9	2178.8	1978.8
40°	1851.6	1863.7	1900.1	1930.4	1939.4	1897.0	1894.0	1894.0	1966.7	2254.6	2039.4
42.5°	1918.2	1912.2	1963.7	2018.2	2033.4	2009.1	2015.2	2039.4	2081.9	2363.7	2136.4
45°	1951.6	1945.5	2006.1	2097.0	2166.7	2154.6	2160.7	2169.8	2209.1	2536.4	2300.1
47.5°	1997.0	2003.1	2091.0	2194.0	2266.7	2309.2	2342.5	2339.5	2369.8	2712.2	2481.9
50°	2042.5	2054.6	2160.7	2269.8	2397.0	2469.8	2518.2	2551.6	2581.9	2897.0	2691.0
52.5°	2130.4	2142.5	2260.7	2378.9	2542.5	2648.6	2769.8	2766.7	2769.8	3081.9	2900.1
55°	2257.6	2260.7	2330.4	2466.7	2687.9	2881.9	3048.6	3066.7	3015.2	3312.2	3139.5
57.5°	2403.1	2415.2	2475.8	2578.9	2803.1	3106.1	3360.7	3397.1	3257.7	3500.1	3357.7
60°	2539.5	2548.6	2642.5	2760.7	3003.1	3388.0	3675.9	3718.3	3566.8	3730.4	3584.9
62.5°	2384.9	2430.4	2597.0	2866.7	3354.6	3815.3	4075.9	4103.1	3866.8	3963.7	3827.4
65°	1909.1	1939.4	2178.8	2615.2	3378.9	4591.0	4694.1	4621.3	4278.9	4263.7	4194.0
67.5°	1063.7	1087.9	1251.5	1709.1	2845.5	4881.9	6024.4	5491.1	4918.3	4715.3	4691.0
70°	839.4	845.5	866.7	960.6	1578.8	4303.1	7072.9	7097.2	5963.8	5336.5	4797.1
72.5°	681.8	678.8	742.4	824.3	933.4	2581.9	6742.6	7676.0	6763.8	5172.9	4178.9
75°	521.2	530.3	612.1	730.3	854.6	1215.2	5030.4	6315.3	6336.5	4821.3	3524.3
77.5°	397.0	400.0	490.9	645.5	836.4	857.6	3281.9	4706.2	4727.4	3733.4	1942.5
80°	297.0	297.0	372.7	545.5	815.2	790.9	2021.3	3263.7	2954.6	1312.2	424.3
82.5°	169.7	181.8	248.5	415.2	739.4	760.6	1139.4	1869.7	1248.5	357.6	197.0
85°	90.9	93.9	151.5	278.8	609.1	727.3	869.7	930.3	497.0	190.9	90.9
87.5°	33.3	33.3	69.7	142.4	384.9	539.4	690.9	594.0	284.9	87.9	45.5
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: P675540
 CATALOG NUMBER: CCW-SA-2C-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7	2266.7
2.5°	2263.7	2251.6	2242.5	2251.6	2218.2	2203.1	2221.3	2212.2	2194.0	2184.9	2178.8
5°	2218.2	2203.1	2187.9	2178.8	2142.5	2106.1	2087.9	2051.6	2021.3	2030.4	2012.2
7.5°	2169.8	2154.6	2109.1	2066.7	1994.0	1921.3	1887.9	1836.4	1818.2	1803.1	1794.0
10°	2109.1	2081.9	2012.2	1927.3	1821.3	1739.4	1654.6	1594.0	1530.3	1503.1	1512.2
12.5°	2033.4	2018.2	1909.1	1778.8	1630.3	1494.0	1394.0	1297.0	1212.2	1166.7	1154.6
15°	2000.1	1954.6	1797.0	1624.3	1436.4	1266.7	1118.2	948.5	848.5	800.0	800.0
17.5°	1963.7	1878.8	1691.0	1454.6	1239.4	1021.2	812.1	657.6	578.8	551.5	551.5
20°	1906.1	1812.2	1566.7	1294.0	1033.4	769.7	581.8	497.0	472.7	454.6	457.6
22.5°	1863.7	1748.5	1451.6	1136.4	818.2	572.7	457.6	430.3	421.2	415.2	418.2
25°	1815.2	1672.8	1330.3	966.7	642.4	451.5	397.0	384.9	390.9	393.9	393.9
27.5°	1775.8	1609.1	1206.1	784.9	484.9	381.8	357.6	354.6	366.7	372.7	375.8
30°	1748.5	1551.6	1084.9	618.2	387.9	339.4	327.3	327.3	342.4	348.5	351.5
32.5°	1721.3	1503.1	954.6	472.7	330.3	303.0	300.0	303.0	312.1	312.1	315.2
35°	1730.3	1457.6	830.3	381.8	297.0	278.8	278.8	278.8	281.8	284.9	284.9
37.5°	1748.5	1445.5	697.0	321.2	272.7	260.6	260.6	257.6	260.6	257.6	260.6
40°	1766.7	1427.3	575.8	284.9	257.6	248.5	245.5	239.4	236.4	236.4	239.4
42.5°	1842.5	1451.6	472.7	260.6	245.5	239.4	230.3	224.2	221.2	221.2	221.2
45°	1939.4	1497.0	390.9	248.5	236.4	221.2	215.2	212.1	206.1	209.1	212.1
47.5°	2084.9	1566.7	342.4	239.4	227.3	209.1	203.0	197.0	197.0	203.0	203.0
50°	2275.8	1681.9	312.1	230.3	218.2	200.0	190.9	187.9	187.9	197.0	197.0
52.5°	2481.9	1815.2	300.0	227.3	209.1	190.9	181.8	178.8	178.8	190.9	190.9
55°	2687.9	1978.8	309.1	227.3	203.0	181.8	172.7	166.7	169.7	178.8	178.8
57.5°	2915.2	2154.6	354.6	227.3	197.0	178.8	166.7	157.6	160.6	163.6	163.6
60°	3163.7	2384.9	433.3	227.3	193.9	172.7	157.6	145.5	145.5	148.5	148.5
62.5°	3415.2	2612.2	545.5	230.3	197.0	169.7	145.5	133.3	130.3	133.3	133.3
65°	3745.6	2975.8	657.6	230.3	206.1	163.6	136.4	121.2	118.2	118.2	121.2
67.5°	4209.2	3236.4	509.1	221.2	212.1	163.6	127.3	112.1	106.1	106.1	106.1
70°	3963.7	2730.4	324.3	206.1	203.0	169.7	121.2	103.0	97.0	93.9	93.9
72.5°	3394.0	2184.9	260.6	193.9	187.9	166.7	115.2	97.0	87.9	84.9	84.9
75°	2721.3	1724.3	227.3	175.8	163.6	139.4	106.1	87.9	81.8	75.8	75.8
77.5°	1333.4	721.2	172.7	154.5	139.4	106.1	93.9	81.8	72.7	66.7	66.7
80°	333.3	251.5	127.3	121.2	103.0	81.8	75.8	69.7	63.6	57.6	57.6
82.5°	178.8	148.5	90.9	81.8	69.7	57.6	57.6	54.5	51.5	45.5	42.4
85°	90.9	87.9	60.6	54.5	45.5	36.4	39.4	39.4	36.4	27.3	27.3
87.5°	48.5	48.5	30.3	24.2	21.2	18.2	18.2	18.2	15.2	12.1	12.1
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)