

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: P675551

Luminaire Tested: **CCW-SA-2C-735-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675551
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

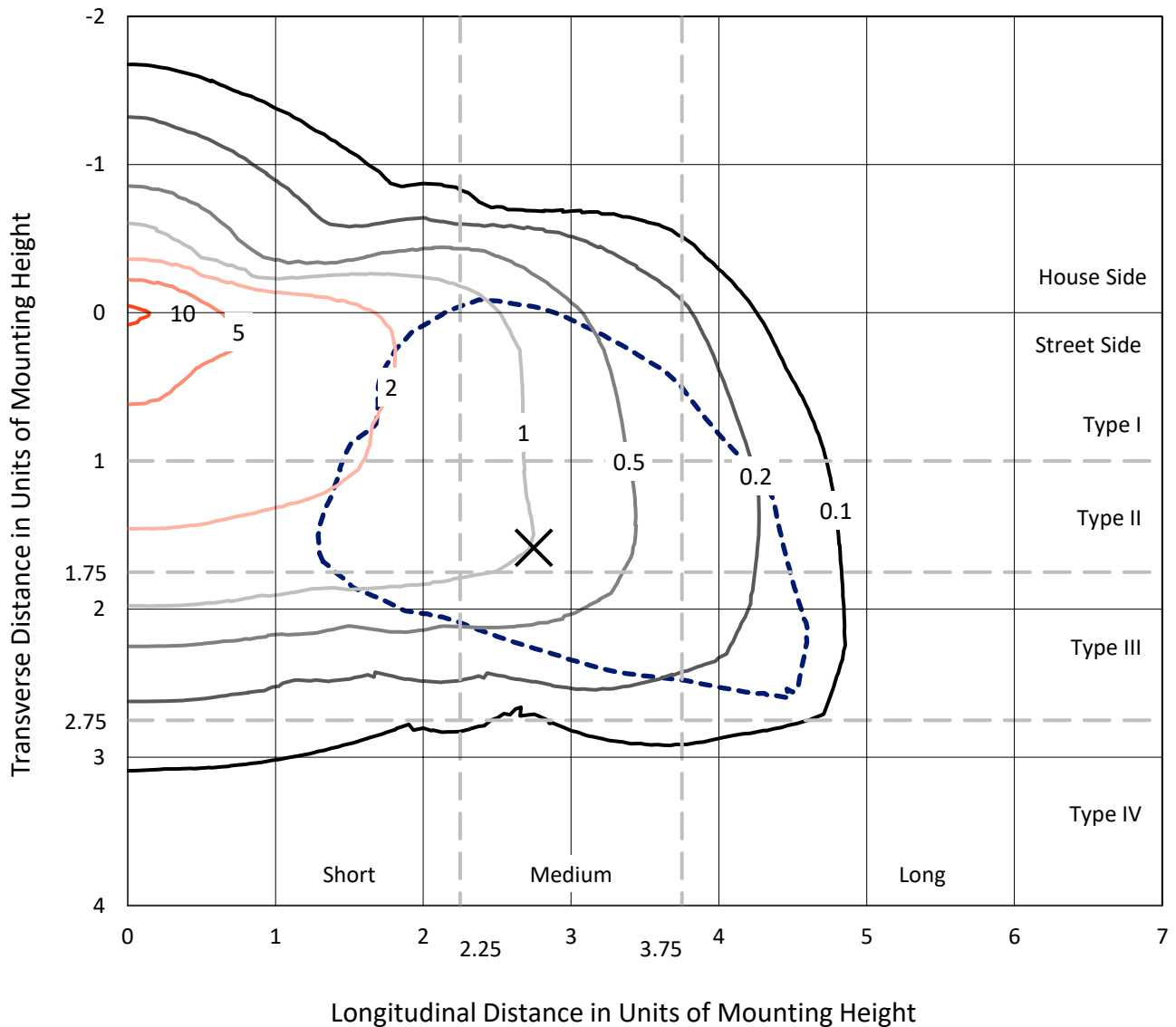
Lumens per Lamp: N/A
Luminaire Lumens: 8817.2 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

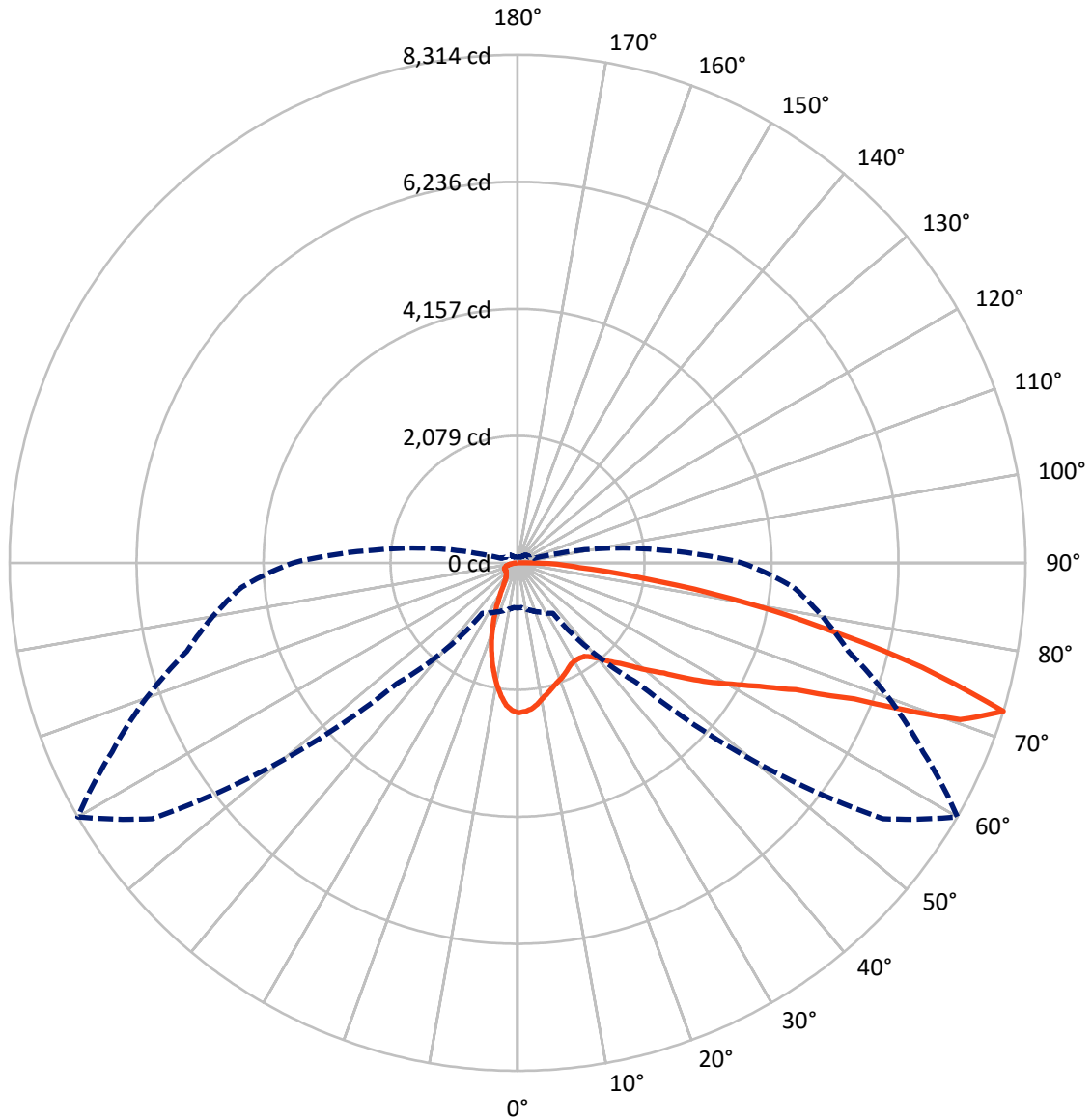
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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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	1514.7	0.0	1514.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	7302.6	0.0	7302.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	8817.2	0.0	8817.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	2.4
10°-20°	482.6	5.5
20°-30°	617.6	7.0
30°-40°	790.1	9.0
40°-50°	1083.6	12.3
50°-60°	1567.3	17.8
60°-70°	2150.1	24.4
70°-80°	1613.4	18.3
80°-90°	299.9	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°	8817.2	100.0
0°-180°	8817.2	100.0

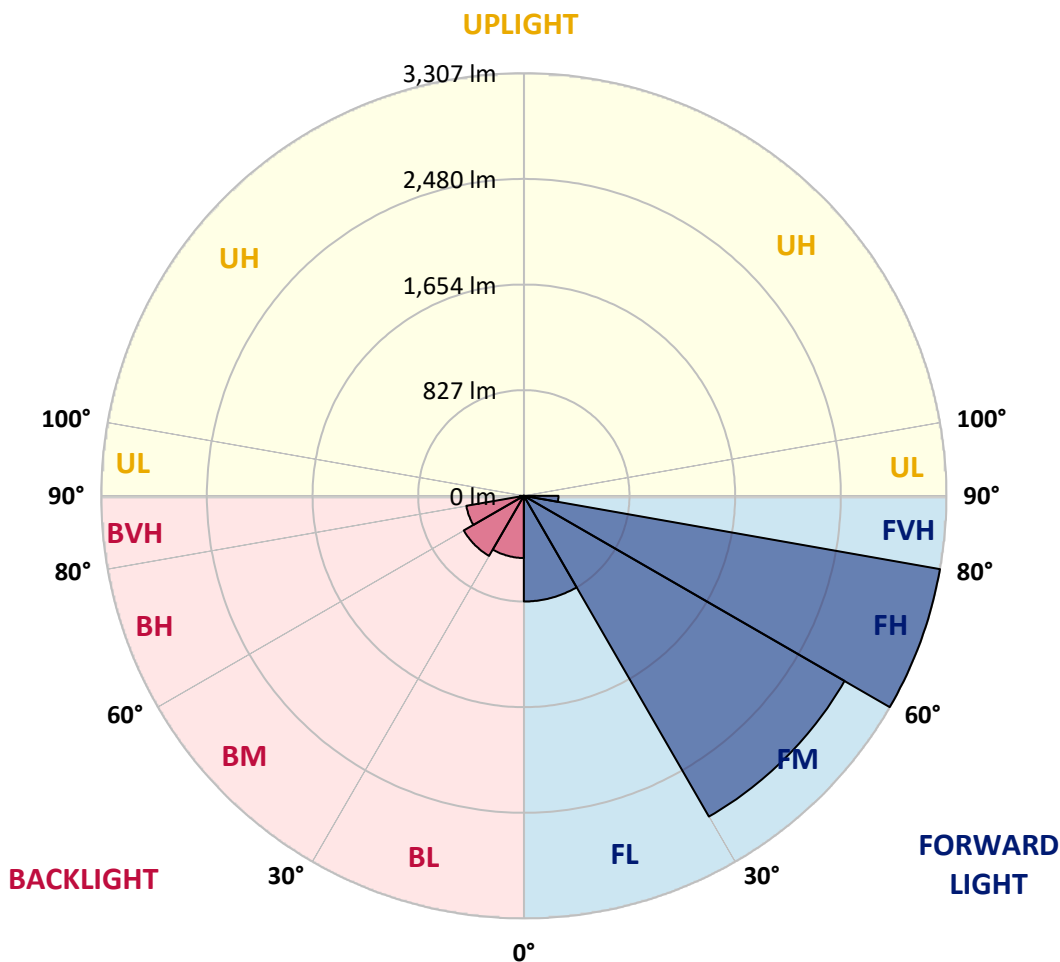


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	826.7	9.4			
FM (30°-60°)	2898.2	32.9			
FH (60°-80°)	3307.0	37.5			G2/5000
FVH (80°-90°)	270.7	3.1			G3/500
BL (0°-30°)	486.2	5.5	B1/500		
BM (30°-60°)	542.8	6.2	B1/1000		
BH (60°-80°)	456.4	5.2	B1/500		G1/500
BVH (80°-90°)	29.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2
2.5°	2402.6	2425.6	2432.2	2432.2	2451.9	2428.9	2461.7	2435.5	2442.0	2451.9	2445.3
5°	2287.8	2327.2	2304.2	2346.8	2330.4	2360.0	2399.4	2399.4	2389.5	2409.2	2392.8
7.5°	2176.2	2163.0	2202.4	2202.4	2228.7	2268.1	2300.9	2333.7	2337.0	2343.6	2340.3
10°	2025.2	2041.6	2061.3	2087.5	2120.4	2159.8	2228.7	2254.9	2261.5	2300.9	2291.0
12.5°	1900.5	1923.4	1936.6	1989.1	2018.6	2074.4	2153.2	2189.3	2192.6	2248.4	2248.4
15°	1808.5	1821.7	1851.2	1870.9	1936.6	2015.3	2090.8	2123.7	2159.8	2218.8	2202.4
17.5°	1746.2	1762.6	1775.7	1802.0	1864.3	1930.0	2048.2	2067.9	2110.5	2195.9	2176.2
20°	1710.1	1713.4	1733.1	1749.5	1805.3	1867.6	1972.7	2025.2	2081.0	2156.5	2136.8
22.5°	1716.6	1703.5	1700.2	1723.2	1733.1	1792.1	1920.1	1975.9	2054.7	2143.3	2110.5
25°	1729.8	1733.1	1726.5	1706.8	1710.1	1762.6	1847.9	1920.1	2008.8	2140.1	2074.4
27.5°	1762.6	1779.0	1752.8	1733.1	1713.4	1733.1	1821.7	1874.2	1972.7	2156.5	2071.1
30°	1795.4	1811.8	1805.3	1775.7	1736.3	1729.8	1792.1	1857.8	1953.0	2169.6	2071.1
32.5°	1844.7	1867.6	1844.7	1854.5	1808.5	1779.0	1802.0	1861.1	1972.7	2215.6	2074.4
35°	1900.5	1920.1	1926.7	1903.7	1893.9	1838.1	1851.2	1880.8	1992.4	2268.1	2107.2
37.5°	1962.8	1985.8	2005.5	2008.8	1975.9	1943.1	1936.6	1953.0	2041.6	2360.0	2143.3
40°	2005.5	2018.6	2058.0	2090.8	2100.7	2054.7	2051.4	2051.4	2130.2	2442.0	2209.0
42.5°	2077.7	2071.1	2126.9	2186.0	2202.4	2176.2	2182.7	2209.0	2254.9	2560.2	2314.0
45°	2113.8	2107.2	2172.9	2271.4	2346.8	2333.7	2340.3	2350.1	2392.8	2747.3	2491.3
47.5°	2163.0	2169.6	2264.8	2376.4	2455.2	2501.1	2537.2	2533.9	2566.8	2937.7	2688.2
50°	2212.3	2225.4	2340.3	2458.4	2596.3	2675.1	2727.6	2763.7	2796.5	3137.9	2914.7
52.5°	2307.5	2320.6	2448.6	2576.6	2753.9	2868.7	3000.0	2996.7	3000.0	3338.1	3141.2
55°	2445.3	2448.6	2524.1	2671.8	2911.4	3121.5	3302.0	3321.7	3265.9	3587.6	3400.5
57.5°	2602.9	2616.0	2681.6	2793.2	3036.1	3364.4	3640.1	3679.5	3528.5	3791.1	3636.8
60°	2750.6	2760.4	2862.2	2990.2	3252.8	3669.6	3981.4	4027.4	3863.3	4040.5	3883.0
62.5°	2583.2	2632.4	2812.9	3105.1	3633.5	4132.4	4414.7	4444.2	4188.2	4293.3	4145.6
65°	2067.9	2100.7	2360.0	2832.6	3659.8	4972.7	5084.3	5005.5	4634.6	4618.2	4542.7
67.5°	1152.1	1178.3	1355.6	1851.2	3082.1	5287.8	6525.2	5947.5	5327.2	5107.3	5081.0
70°	909.2	915.8	938.7	1040.5	1710.1	4660.9	7660.9	7687.2	6459.6	5780.1	5195.9
72.5°	738.5	735.2	804.2	892.8	1010.9	2796.5	7303.1	8314.1	7326.1	5602.9	4526.3
75°	564.6	574.4	663.0	791.0	925.6	1316.2	5448.6	6840.3	6863.3	5222.1	3817.3
77.5°	430.0	433.3	531.7	699.1	905.9	928.9	3554.7	5097.4	5120.4	4043.8	2104.0
80°	321.7	321.7	403.7	590.8	882.9	856.7	2189.3	3535.0	3200.2	1421.2	459.5
82.5°	183.8	196.9	269.1	449.7	800.9	823.9	1234.1	2025.2	1352.3	387.3	213.3
85°	98.5	101.8	164.1	302.0	659.7	787.8	942.0	1007.7	538.3	206.8	98.5
87.5°	36.1	36.1	75.5	154.3	416.9	584.3	748.4	643.3	308.5	95.2	49.2
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°	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2	2455.2
2.5°	2451.9	2438.8	2428.9	2438.8	2402.6	2386.2	2405.9	2396.1	2376.4	2366.5	2360.0
5°	2402.6	2386.2	2369.8	2360.0	2320.6	2281.2	2261.5	2222.1	2189.3	2199.1	2179.5
7.5°	2350.1	2333.7	2284.5	2238.5	2159.8	2081.0	2044.9	1989.1	1969.4	1953.0	1943.1
10°	2284.5	2254.9	2179.5	2087.5	1972.7	1884.0	1792.1	1726.5	1657.6	1628.0	1637.9
12.5°	2202.4	2186.0	2067.9	1926.7	1765.9	1618.2	1509.9	1404.8	1312.9	1263.7	1250.6
15°	2166.3	2117.1	1946.4	1759.3	1555.8	1372.0	1211.2	1027.4	919.0	866.5	866.5
17.5°	2126.9	2035.0	1831.5	1575.5	1342.5	1106.1	879.7	712.3	626.9	597.4	597.4
20°	2064.6	1962.8	1697.0	1401.5	1119.3	833.7	630.2	538.3	512.0	492.3	495.6
22.5°	2018.6	1893.9	1572.2	1230.9	886.2	620.4	495.6	466.1	456.2	449.7	453.0
25°	1966.1	1811.8	1440.9	1047.1	695.8	489.1	430.0	416.9	423.4	426.7	426.7
27.5°	1923.4	1742.9	1306.4	850.1	525.2	413.6	387.3	384.0	397.2	403.7	407.0
30°	1893.9	1680.5	1175.1	669.6	420.1	367.6	354.5	354.5	370.9	377.5	380.7
32.5°	1864.3	1628.0	1033.9	512.0	357.8	328.2	324.9	328.2	338.1	338.1	341.4
35°	1874.2	1578.8	899.4	413.6	321.7	302.0	302.0	302.0	305.3	308.5	308.5
37.5°	1893.9	1565.7	754.9	347.9	295.4	282.3	282.3	279.0	282.3	279.0	282.3
40°	1913.6	1546.0	623.6	308.5	279.0	269.1	265.9	259.3	256.0	256.0	259.3
42.5°	1995.6	1572.2	512.0	282.3	265.9	259.3	249.5	242.9	239.6	239.6	239.6
45°	2100.7	1621.5	423.4	269.1	256.0	239.6	233.0	229.8	223.2	226.5	229.8
47.5°	2258.2	1697.0	370.9	259.3	246.2	226.5	219.9	213.3	213.3	219.9	219.9
50°	2465.0	1821.7	338.1	249.5	236.3	216.6	206.8	203.5	203.5	213.3	213.3
52.5°	2688.2	1966.1	324.9	246.2	226.5	206.8	196.9	193.7	193.7	206.8	206.8
55°	2911.4	2143.3	334.8	246.2	219.9	196.9	187.1	180.5	183.8	193.7	193.7
57.5°	3157.6	2333.7	384.0	246.2	213.3	193.7	180.5	170.7	174.0	177.2	177.2
60°	3426.7	2583.2	469.4	246.2	210.1	187.1	170.7	157.6	157.6	160.8	160.8
62.5°	3699.2	2829.3	590.8	249.5	213.3	183.8	157.6	144.4	141.1	144.4	144.4
65°	4056.9	3223.2	712.3	249.5	223.2	177.2	147.7	131.3	128.0	128.0	131.3
67.5°	4559.1	3505.5	551.4	239.6	229.8	177.2	137.9	121.4	114.9	114.9	114.9
70°	4293.3	2957.4	351.2	223.2	219.9	183.8	131.3	111.6	105.0	101.8	101.8
72.5°	3676.2	2366.5	282.3	210.1	203.5	180.5	124.7	105.0	95.2	91.9	91.9
75°	2947.5	1867.6	246.2	190.4	177.2	151.0	114.9	95.2	88.6	82.1	82.1
77.5°	1444.2	781.2	187.1	167.4	151.0	114.9	101.8	88.6	78.8	72.2	72.2
80°	361.1	272.4	137.9	131.3	111.6	88.6	82.1	75.5	68.9	62.4	62.4
82.5°	193.7	160.8	98.5	88.6	75.5	62.4	62.4	59.1	55.8	49.2	46.0
85°	98.5	95.2	65.6	59.1	49.2	39.4	42.7	42.7	39.4	29.5	29.5
87.5°	52.5	52.5	32.8	26.3	23.0	19.7	19.7	19.7	16.4	13.1	13.1
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)