

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: P671409

Luminaire Tested: **CCP-SA-2C-750-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671409
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-750-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL3 distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

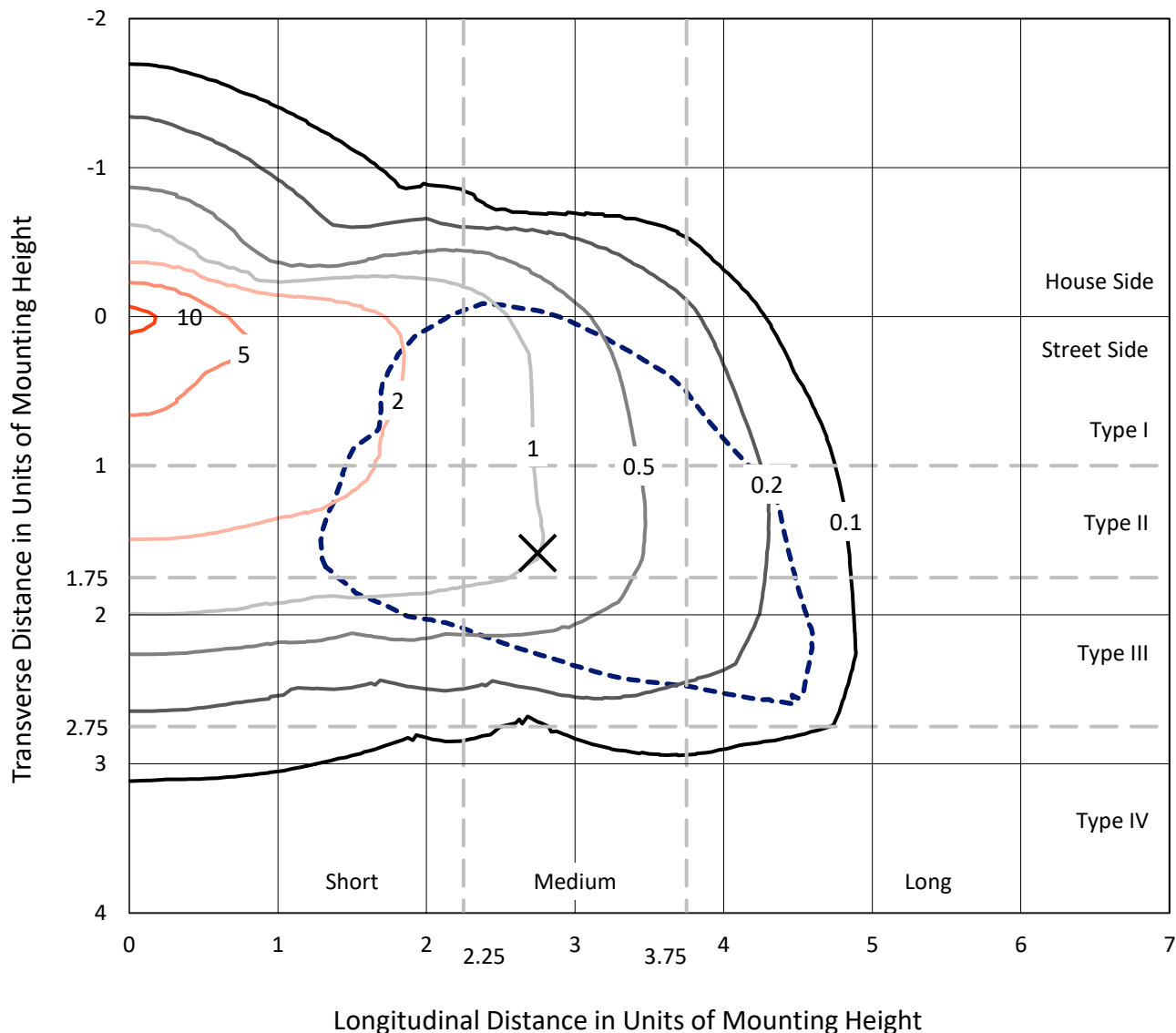
Lumens per Lamp: N/A
Luminaire Lumens: 9144.4 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 62.1
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

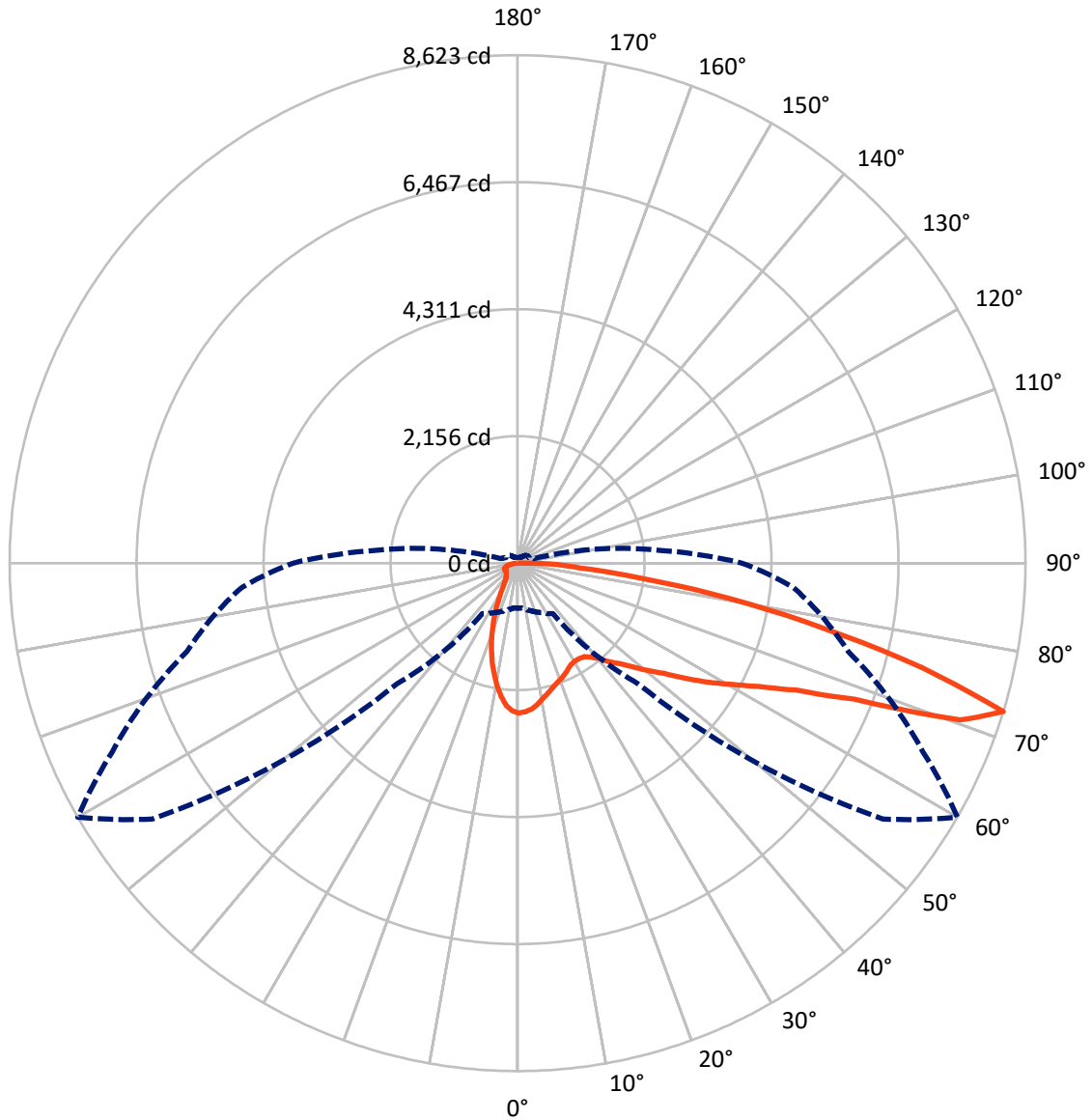
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.3 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	1570.9	0.0	1570.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	7573.6	0.0	7573.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	9144.4	0.0	9144.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	2.4
10°-20°	500.5	5.5
20°-30°	640.5	7.0
30°-40°	819.4	9.0
40°-50°	1123.8	12.3
50°-60°	1625.5	17.8
60°-70°	2229.8	24.4
70°-80°	1673.3	18.3
80°-90°	311.0	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°	9144.4	100.0
0°-180°	9144.4	100.0



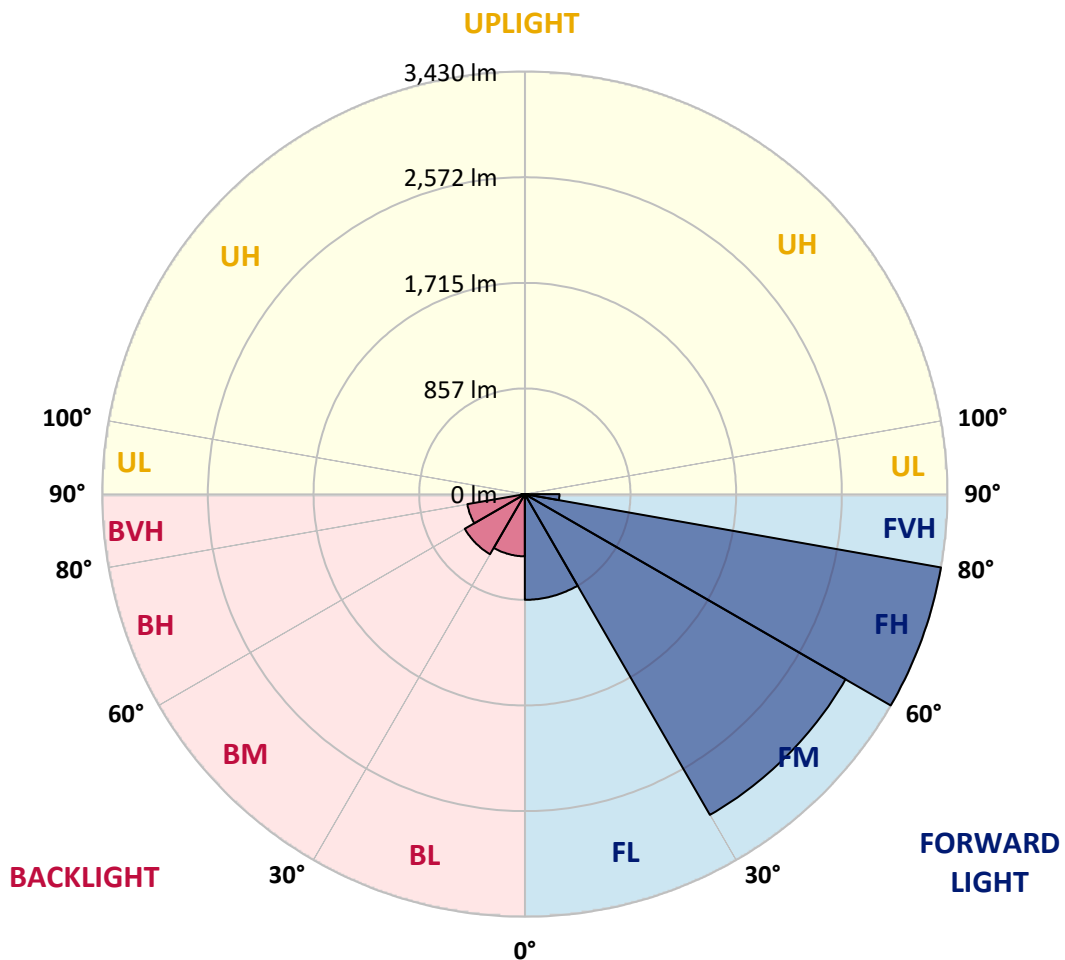
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.4	9.4			
FM (30°-60°)	3005.7	32.9			
FH (60°-80°)	3429.7	37.5			G2/5000
FVH (80°-90°)	280.7	3.1			G3/500
BL (0°-30°)	504.3	5.5	B2/1000		
BM (30°-60°)	562.9	6.2	B1/1000		
BH (60°-80°)	473.4	5.2	B1/500		G1/500
BVH (80°-90°)	30.3	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3
2.5°	2491.8	2515.6	2522.4	2522.4	2542.9	2519.0	2553.1	2525.8	2532.7	2542.9	2536.1
5°	2372.7	2413.5	2389.7	2433.9	2416.9	2447.6	2488.4	2488.4	2478.2	2498.6	2481.6
7.5°	2256.9	2243.3	2284.2	2284.2	2311.4	2352.2	2386.3	2420.3	2423.7	2430.5	2427.1
10°	2100.3	2117.4	2137.8	2165.0	2199.1	2239.9	2311.4	2338.6	2345.4	2386.3	2376.1
12.5°	1971.0	1994.8	2008.4	2062.9	2093.5	2151.4	2233.1	2270.5	2273.9	2331.8	2331.8
15°	1875.7	1889.3	1919.9	1940.3	2008.4	2090.1	2168.4	2202.5	2239.9	2301.2	2284.2
17.5°	1811.0	1828.0	1841.6	1868.9	1933.5	2001.6	2124.2	2144.6	2188.8	2277.3	2256.9
20°	1773.5	1776.9	1797.4	1814.4	1872.3	1936.9	2045.9	2100.3	2158.2	2236.5	2216.1
22.5°	1780.3	1766.7	1763.3	1787.2	1797.4	1858.6	1991.4	2049.3	2131.0	2222.9	2188.8
25°	1794.0	1797.4	1790.6	1770.1	1773.5	1828.0	1916.5	1991.4	2083.3	2219.5	2151.4
27.5°	1828.0	1845.0	1817.8	1797.4	1776.9	1797.4	1889.3	1943.7	2045.9	2236.5	2148.0
30°	1862.0	1879.1	1872.3	1841.6	1800.8	1794.0	1858.6	1926.7	2025.4	2250.1	2148.0
32.5°	1913.1	1936.9	1913.1	1923.3	1875.7	1845.0	1868.9	1930.1	2045.9	2297.8	2151.4
35°	1971.0	1991.4	1998.2	1974.4	1964.2	1906.3	1919.9	1950.6	2066.3	2352.2	2185.4
37.5°	2035.7	2059.5	2079.9	2083.3	2049.3	2015.2	2008.4	2025.4	2117.4	2447.6	2222.9
40°	2079.9	2093.5	2134.4	2168.4	2178.6	2131.0	2127.6	2127.6	2209.3	2532.7	2291.0
42.5°	2154.8	2148.0	2205.9	2267.1	2284.2	2256.9	2263.7	2291.0	2338.6	2655.2	2399.9
45°	2192.2	2185.4	2253.5	2355.6	2433.9	2420.3	2427.1	2437.3	2481.6	2849.2	2583.7
47.5°	2243.3	2250.1	2348.8	2464.6	2546.3	2593.9	2631.4	2628.0	2662.0	3046.7	2788.0
50°	2294.4	2308.0	2427.1	2549.7	2692.6	2774.3	2828.8	2866.3	2900.3	3254.3	3022.8
52.5°	2393.1	2406.7	2539.5	2672.2	2856.0	2975.2	3111.4	3107.9	3111.4	3462.0	3257.7
55°	2536.1	2539.5	2617.8	2770.9	3019.4	3237.3	3424.5	3445.0	3387.1	3720.7	3526.7
57.5°	2699.5	2713.1	2781.2	2896.9	3148.8	3489.2	3775.2	3816.0	3659.4	3931.7	3771.7
60°	2852.6	2862.9	2968.4	3101.1	3373.5	3805.8	4129.2	4176.8	4006.6	4190.5	4027.1
62.5°	2679.0	2730.1	2917.3	3220.3	3768.3	4285.8	4578.5	4609.2	4343.6	4452.6	4299.4
65°	2144.6	2178.6	2447.6	2937.7	3795.6	5157.2	5273.0	5191.3	4806.6	4789.6	4711.3
67.5°	1194.8	1222.1	1405.9	1919.9	3196.5	5484.0	6767.4	6168.2	5524.9	5296.8	5269.6
70°	942.9	949.7	973.6	1079.1	1773.5	4833.8	7945.2	7972.4	6699.3	5994.6	5388.7
72.5°	765.9	762.5	834.0	925.9	1048.5	2900.3	7574.1	8622.6	7598.0	5810.8	4694.3
75°	585.5	595.7	687.6	820.4	960.0	1365.0	5650.8	7094.2	7118.0	5415.9	3959.0
77.5°	445.9	449.3	551.5	725.1	939.5	963.4	3686.6	5286.6	5310.4	4193.9	2182.0
80°	333.6	333.6	418.7	612.7	915.7	888.5	2270.5	3666.2	3319.0	1474.0	476.6
82.5°	190.6	204.2	279.1	466.4	830.6	854.4	1279.9	2100.3	1402.5	401.7	221.3
85°	102.1	105.5	170.2	313.2	684.2	817.0	977.0	1045.1	558.3	214.5	102.1
87.5°	37.4	37.4	78.3	160.0	432.3	605.9	776.1	667.2	320.0	98.7	51.1
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°	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3
2.5°	2542.9	2529.3	2519.0	2529.3	2491.8	2474.8	2495.2	2485.0	2464.6	2454.4	2447.6
5°	2491.8	2474.8	2457.8	2447.6	2406.7	2365.9	2345.4	2304.6	2270.5	2280.8	2260.3
7.5°	2437.3	2420.3	2369.3	2321.6	2239.9	2158.2	2120.8	2062.9	2042.5	2025.4	2015.2
10°	2369.3	2338.6	2260.3	2165.0	2045.9	1954.0	1858.6	1790.6	1719.1	1688.4	1698.6
12.5°	2284.2	2267.1	2144.6	1998.2	1831.4	1678.2	1565.9	1457.0	1361.6	1310.6	1297.0
15°	2246.7	2195.6	2018.6	1824.6	1613.5	1422.9	1256.1	1065.5	953.1	898.7	898.7
17.5°	2205.9	2110.5	1899.5	1634.0	1392.3	1147.2	912.3	738.7	650.2	619.5	619.5
20°	2141.2	2035.7	1759.9	1453.6	1160.8	864.6	653.6	558.3	531.0	510.6	514.0
22.5°	2093.5	1964.2	1630.6	1276.5	919.1	643.4	514.0	483.4	473.2	466.4	469.8
25°	2039.1	1879.1	1494.4	1085.9	721.7	507.2	445.9	432.3	439.1	442.5	442.5
27.5°	1994.8	1807.6	1354.8	881.7	544.7	428.9	401.7	398.3	411.9	418.7	422.1
30°	1964.2	1742.9	1218.7	694.4	435.7	381.3	367.6	367.6	384.7	391.5	394.9
32.5°	1933.5	1688.4	1072.3	531.0	371.0	340.4	337.0	340.4	350.6	350.6	354.0
35°	1943.7	1637.4	932.7	428.9	333.6	313.2	313.2	313.2	316.6	320.0	320.0
37.5°	1964.2	1623.8	782.9	360.8	306.4	292.8	292.8	289.3	292.8	289.3	292.8
40°	1984.6	1603.3	646.8	320.0	289.3	279.1	275.7	268.9	265.5	265.5	268.9
42.5°	2069.7	1630.6	531.0	292.8	275.7	268.9	258.7	251.9	248.5	248.5	248.5
45°	2178.6	1681.6	439.1	279.1	265.5	248.5	241.7	238.3	231.5	234.9	238.3
47.5°	2342.0	1759.9	384.7	268.9	255.3	234.9	228.1	221.3	221.3	228.1	228.1
50°	2556.5	1889.3	350.6	258.7	245.1	224.7	214.5	211.1	211.1	221.3	221.3
52.5°	2788.0	2039.1	337.0	255.3	234.9	214.5	204.2	200.8	200.8	214.5	214.5
55°	3019.4	2222.9	347.2	255.3	228.1	204.2	194.0	187.2	190.6	200.8	200.8
57.5°	3274.7	2420.3	398.3	255.3	221.3	200.8	187.2	177.0	180.4	183.8	183.8
60°	3553.9	2679.0	486.8	255.3	217.9	194.0	177.0	163.4	163.4	166.8	166.8
62.5°	3836.4	2934.3	612.7	258.7	221.3	190.6	163.4	149.8	146.4	149.8	149.8
65°	4207.5	3342.8	738.7	258.7	231.5	183.8	153.2	136.2	132.8	132.8	136.2
67.5°	4728.3	3635.6	571.9	248.5	238.3	183.8	143.0	126.0	119.1	119.1	119.1
70°	4452.6	3067.1	364.2	231.5	228.1	190.6	136.2	115.7	108.9	105.5	105.5
72.5°	3812.6	2454.4	292.8	217.9	211.1	187.2	129.4	108.9	98.7	95.3	95.3
75°	3056.9	1936.9	255.3	197.4	183.8	156.6	119.1	98.7	91.9	85.1	85.1
77.5°	1497.8	810.2	194.0	173.6	156.6	119.1	105.5	91.9	81.7	74.9	74.9
80°	374.5	282.5	143.0	136.2	115.7	91.9	85.1	78.3	71.5	64.7	64.7
82.5°	200.8	166.8	102.1	91.9	78.3	64.7	64.7	61.3	57.9	51.1	47.7
85°	102.1	98.7	68.1	61.3	51.1	40.8	44.3	44.3	40.8	30.6	30.6
87.5°	54.5	54.5	34.0	27.2	23.8	20.4	20.4	20.4	17.0	13.6	13.6
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)