

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: P674701

Luminaire Tested: **CCP-SA-2E-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674701
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

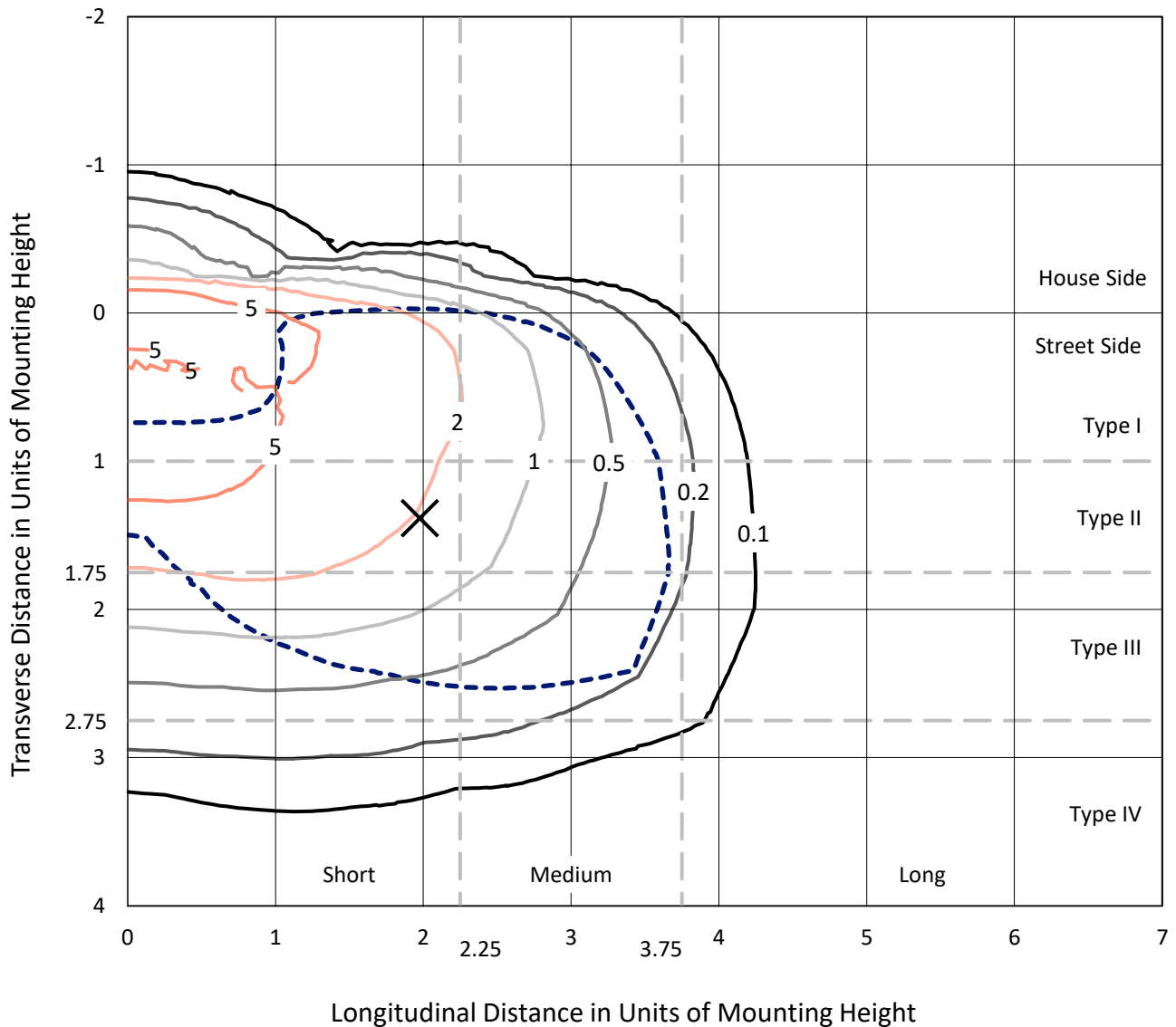
Lumens per Lamp: N/A
Luminaire Lumens: 10695.4 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

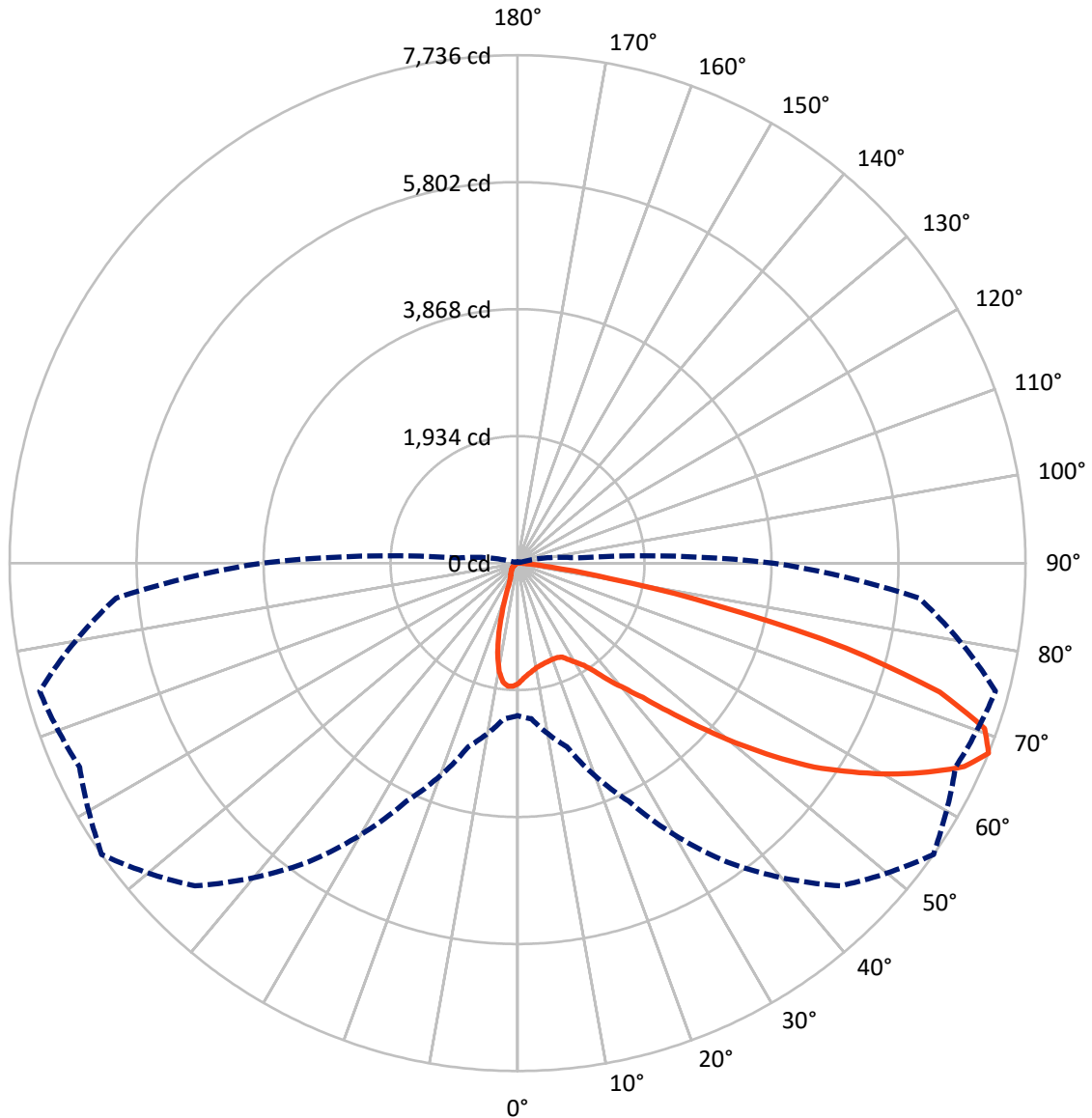
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	960.8	0.0	960.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	9734.6	0.0	9734.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	10695.4	0.0	10695.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.9	1.5
10°-20°	366.3	3.4
20°-30°	587.6	5.5
30°-40°	1019.2	9.5
40°-50°	1699.4	15.9
50°-60°	2485.0	23.2
60°-70°	2897.5	27.1
70°-80°	1406.2	13.1
80°-90°	73.5	0.7
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°	10695.4	100.0
0°-180°	10695.4	100.0



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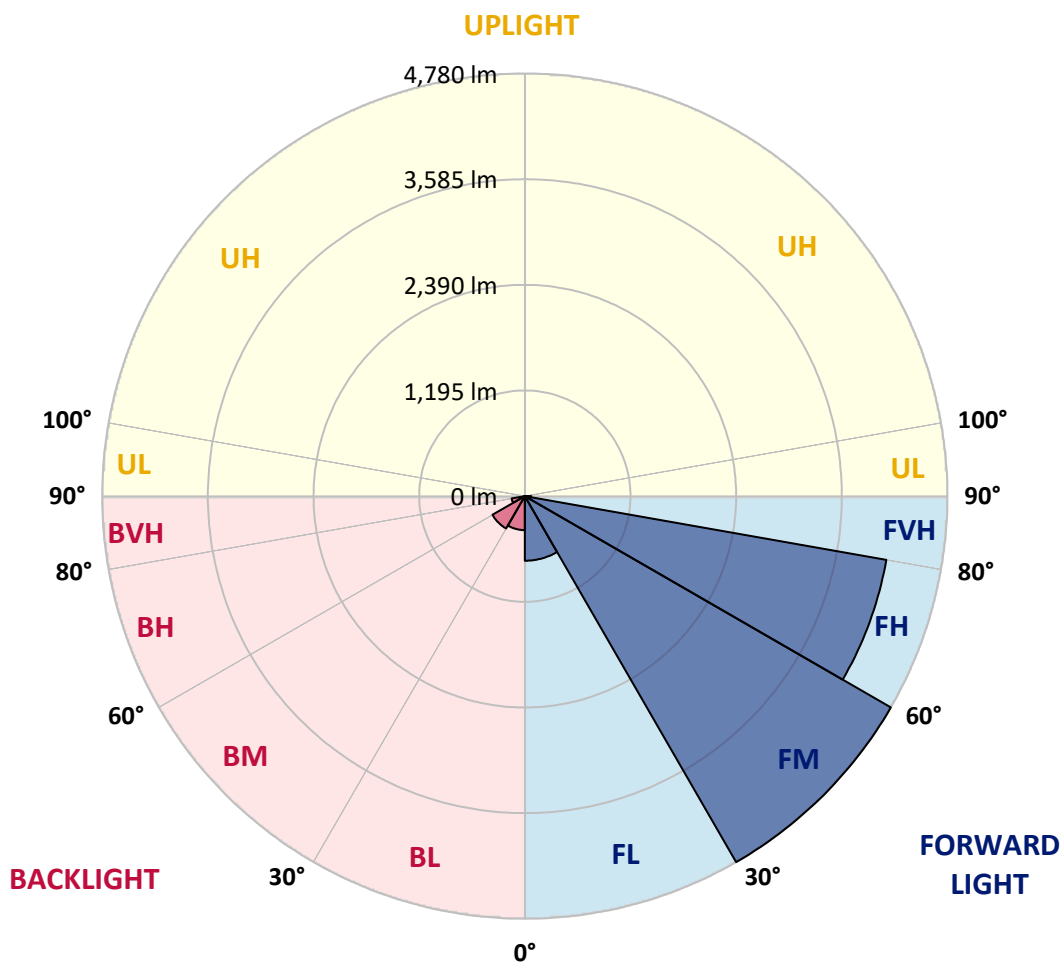
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	730.6	6.8			
FM (30°-60°)	4780.5	44.7			
FH (60°-80°)	4152.1	38.8			G2/5000
FVH (80°-90°)	71.4	0.7			G1/100
BL (0°-30°)	384.1	3.6	B1/500		
BM (30°-60°)	423.0	4.0	B1/1000		
BH (60°-80°)	151.6	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9
2.5°	1692.0	1702.8	1716.6	1721.5	1738.3	1761.9	1755.0	1750.1	1776.7	1813.2	1825.0
5°	1586.5	1587.5	1609.2	1625.0	1653.5	1676.2	1700.8	1698.9	1747.2	1809.2	1848.7
7.5°	1483.1	1485.0	1507.7	1532.3	1573.7	1618.1	1655.5	1653.5	1731.4	1814.2	1889.1
10°	1347.1	1356.9	1384.5	1427.9	1492.9	1562.9	1615.1	1620.0	1713.7	1832.9	1944.2
12.5°	1237.7	1242.6	1273.2	1329.3	1406.2	1497.8	1595.4	1592.4	1717.6	1867.4	2016.2
15°	1191.4	1188.4	1207.1	1248.5	1336.2	1451.5	1575.7	1582.6	1731.4	1906.8	2091.1
17.5°	1202.2	1199.3	1209.1	1223.9	1286.0	1413.1	1564.9	1576.7	1753.1	1948.2	2161.0
20°	1322.4	1301.7	1284.0	1268.2	1277.1	1381.6	1558.0	1570.8	1765.9	1979.7	2234.9
22.5°	1554.0	1528.4	1481.1	1393.4	1335.3	1383.5	1559.9	1576.7	1794.5	2031.0	2324.6
25°	1931.4	1906.8	1805.3	1626.0	1472.2	1454.5	1586.5	1604.3	1860.5	2108.8	2420.2
27.5°	2431.0	2375.9	2252.7	1995.5	1698.9	1567.8	1666.4	1686.1	1954.1	2168.9	2485.2
30°	2845.9	2833.1	2714.8	2399.5	2011.3	1734.3	1756.0	1766.9	1996.5	2205.4	2550.3
32.5°	3276.5	3249.9	3141.5	2835.1	2373.9	1971.8	1856.5	1861.5	2051.7	2259.6	2644.9
35°	3651.0	3626.4	3535.7	3238.1	2797.6	2291.1	2023.1	2012.2	2166.0	2378.8	2773.0
37.5°	3997.9	3994.9	3915.1	3611.6	3178.0	2622.2	2268.4	2259.6	2344.3	2509.9	2946.4
40°	4336.9	4329.0	4261.0	3984.1	3552.5	2952.3	2502.0	2479.3	2496.1	2693.2	3175.0
42.5°	4544.8	4561.5	4585.2	4409.8	3996.9	3339.6	2797.6	2783.8	2780.9	2979.9	3475.6
45°	4657.1	4686.7	4825.6	4809.9	4467.9	3821.5	3218.4	3182.9	3171.1	3374.1	3819.5
47.5°	4766.5	4779.3	5006.9	5102.5	4919.2	4324.0	3726.9	3677.6	3629.3	3855.0	4230.4
50°	4773.4	4794.1	5075.9	5308.5	5297.6	4818.7	4297.4	4254.1	4198.9	4440.3	4631.5
52.5°	4676.8	4718.2	5067.1	5438.6	5532.2	5255.3	4889.7	4854.2	4808.9	4989.2	4969.5
55°	4009.7	4079.7	4893.6	5450.4	5696.7	5629.7	5484.9	5435.6	5391.3	5519.4	5300.6
57.5°	3692.4	3731.8	4367.4	5441.5	5906.6	5976.6	6001.2	5978.6	5916.5	6076.1	5646.5
60°	3502.2	3559.4	4116.1	5343.0	6133.3	6368.8	6523.5	6478.2	6402.3	6622.1	6017.0
62.5°	3274.6	3316.0	3865.8	5059.2	6268.3	6767.9	7013.3	6971.9	6815.2	7125.6	6316.6
65°	2854.8	2916.9	3467.7	4612.8	6087.0	7060.6	7474.4	7460.7	7188.7	7506.0	6398.4
67.5°	2323.6	2379.8	2893.2	4000.8	5556.8	6951.2	7735.6	7692.2	7358.2	7534.6	6139.2
70°	1744.2	1774.8	2162.0	3056.8	4552.7	6366.8	7546.4	7537.5	7101.0	7110.8	5344.0
72.5°	936.2	1020.9	1437.7	2045.7	3201.6	5156.7	6725.5	6690.0	6335.3	5823.9	3843.2
75°	327.2	351.8	765.7	1149.0	1739.3	3435.2	5171.5	5088.7	4737.9	3788.0	2094.0
77.5°	201.0	220.7	340.0	587.3	677.0	1490.9	3107.0	2999.6	2773.0	1637.8	715.4
80°	138.9	156.7	227.6	307.5	230.6	482.9	1429.9	1389.4	1069.2	390.2	164.6
82.5°	77.8	93.6	172.4	150.8	92.6	125.1	495.7	459.2	284.8	105.4	55.2
85°	45.3	54.2	121.2	106.4	47.3	44.3	129.1	115.3	73.9	39.4	26.6
87.5°	23.7	30.5	88.7	71.0	28.6	15.8	29.6	28.6	18.7	13.8	17.7
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°	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9	1832.9
2.5°	1846.7	1841.8	1867.4	1876.2	1874.3	1870.3	1880.2	1867.4	1866.4	1863.4	1860.5
5°	1880.2	1888.1	1908.8	1908.8	1881.2	1835.8	1808.3	1770.8	1739.3	1720.6	1717.6
7.5°	1930.4	1946.2	1960.0	1917.6	1823.0	1710.7	1591.5	1497.8	1416.1	1373.7	1369.7
10°	2001.4	2016.2	2005.3	1884.1	1681.1	1448.6	1254.4	1059.3	961.8	908.6	908.6
12.5°	2086.1	2098.0	2031.9	1800.4	1447.6	1110.6	851.4	646.4	548.9	485.8	481.9
15°	2177.8	2180.7	2028.0	1654.5	1158.9	746.0	488.8	358.7	317.3	308.4	306.5
17.5°	2257.6	2245.8	1986.6	1438.7	834.7	444.4	310.4	280.8	273.0	273.0	273.0
20°	2332.5	2293.1	1903.8	1187.4	535.1	302.5	267.1	259.2	259.2	260.2	260.2
22.5°	2415.3	2337.4	1785.6	908.6	343.9	259.2	250.3	246.4	245.4	248.3	247.3
25°	2512.8	2380.8	1616.1	627.7	266.1	241.4	237.5	233.5	233.5	233.5	233.5
27.5°	2567.0	2374.9	1423.0	396.1	232.6	223.7	219.7	215.8	212.9	211.9	212.9
30°	2614.3	2340.4	1170.7	276.9	209.9	200.0	197.1	192.2	186.2	184.3	184.3
32.5°	2676.4	2311.8	906.6	222.7	190.2	179.3	170.5	162.6	152.7	148.8	147.8
35°	2745.4	2259.6	664.2	196.1	172.4	158.7	144.9	132.0	119.2	115.3	114.3
37.5°	2831.1	2212.3	450.3	181.3	157.7	140.9	122.2	104.5	92.6	90.7	90.7
40°	2947.4	2172.9	311.4	168.5	143.9	124.2	101.5	82.8	74.9	72.9	72.9
42.5°	3106.1	2140.3	235.5	157.7	132.0	107.4	81.8	68.0	62.1	60.1	60.1
45°	3293.3	2090.1	199.1	147.8	120.2	90.7	68.0	57.2	54.2	54.2	54.2
47.5°	3508.1	2027.0	181.3	138.0	107.4	73.9	57.2	52.2	51.2	51.2	52.2
50°	3724.9	1952.1	168.5	126.1	92.6	63.1	52.2	49.3	49.3	50.3	50.3
52.5°	3871.7	1834.9	155.7	113.3	77.8	55.2	49.3	48.3	47.3	47.3	47.3
55°	4014.6	1732.4	138.0	99.5	65.0	51.2	47.3	46.3	46.3	45.3	45.3
57.5°	4163.4	1651.6	115.3	82.8	55.2	48.3	45.3	45.3	43.4	42.4	42.4
60°	4335.9	1580.6	88.7	65.0	48.3	45.3	42.4	41.4	39.4	37.4	37.4
62.5°	4386.1	1430.8	67.0	52.2	41.4	39.4	38.4	36.5	31.5	27.6	28.6
65°	4255.1	1195.3	53.2	41.4	33.5	33.5	30.5	25.6	20.7	17.7	17.7
67.5°	3893.4	892.8	43.4	32.5	26.6	25.6	21.7	18.7	12.8	10.8	10.8
70°	3208.5	590.3	35.5	25.6	21.7	17.7	14.8	13.8	9.9	7.9	7.9
72.5°	2248.7	320.3	29.6	20.7	15.8	11.8	9.9	8.9	6.9	5.9	4.9
75°	1187.4	123.2	23.7	15.8	9.9	7.9	5.9	5.9	4.9	3.9	3.9
77.5°	407.0	52.2	16.8	8.9	6.9	4.9	3.9	3.0	3.9	3.0	3.0
80°	96.6	30.5	10.8	5.9	3.9	3.0	3.0	2.0	2.0	2.0	2.0
82.5°	42.4	17.7	6.9	3.9	3.9	3.0	2.0	1.0	1.0	1.0	1.0
85°	28.6	10.8	4.9	3.9	3.0	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	22.7	6.9	3.9	3.9	3.0	2.0	1.0	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)