

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: P674694

Luminaire Tested: **CCP-SA-1D-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674694
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

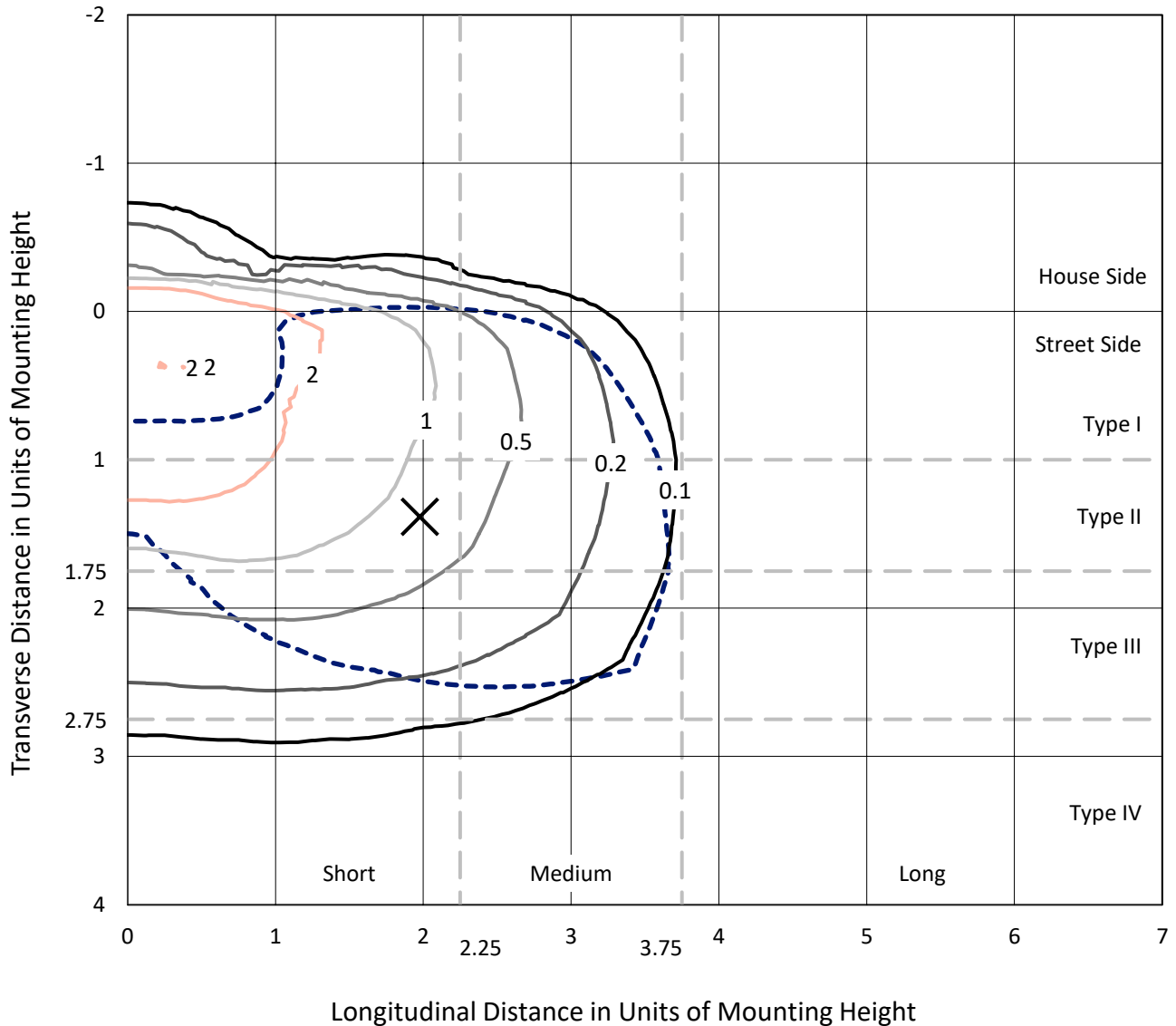
Lumens per Lamp: N/A
Luminaire Lumens: 4362.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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: P674694
 CATALOG NUMBER: CCP-SA-1D-735-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

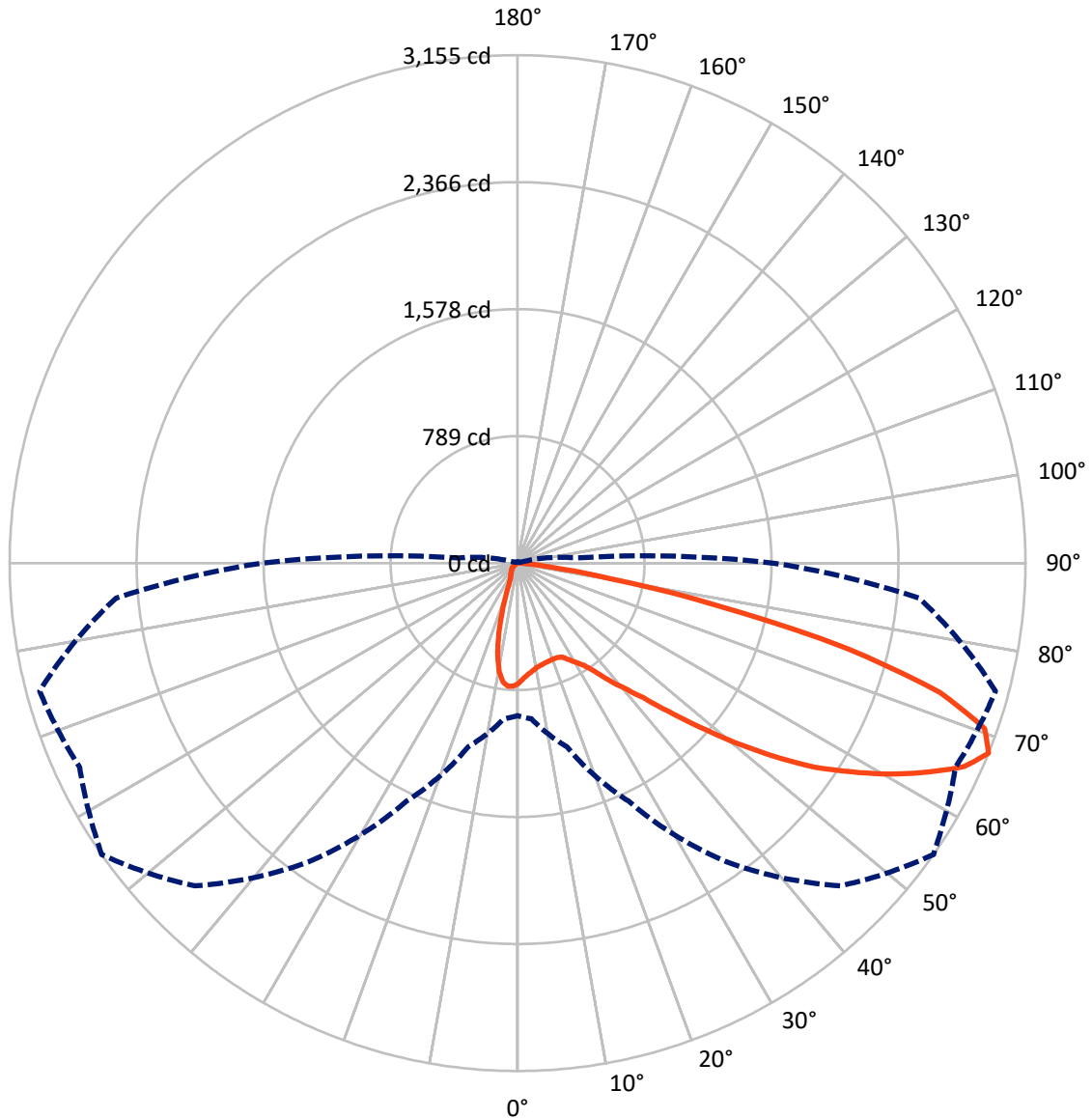
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

REPORT NUMBER: P674694
CATALOG NUMBER: CCP-SA-1D-735-U-T3R-HSS

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	391.9	0.0	391.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3970.5	0.0	3970.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4362.4	0.0	4362.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.5
10°-20°	149.4	3.4
20°-30°	239.7	5.5
30°-40°	415.7	9.5
40°-50°	693.1	15.9
50°-60°	1013.6	23.2
60°-70°	1181.8	27.1
70°-80°	573.5	13.1
80°-90°	30.0	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°	4362.4	100.0
0°-180°	4362.4	100.0



REPORT NUMBER: P674694

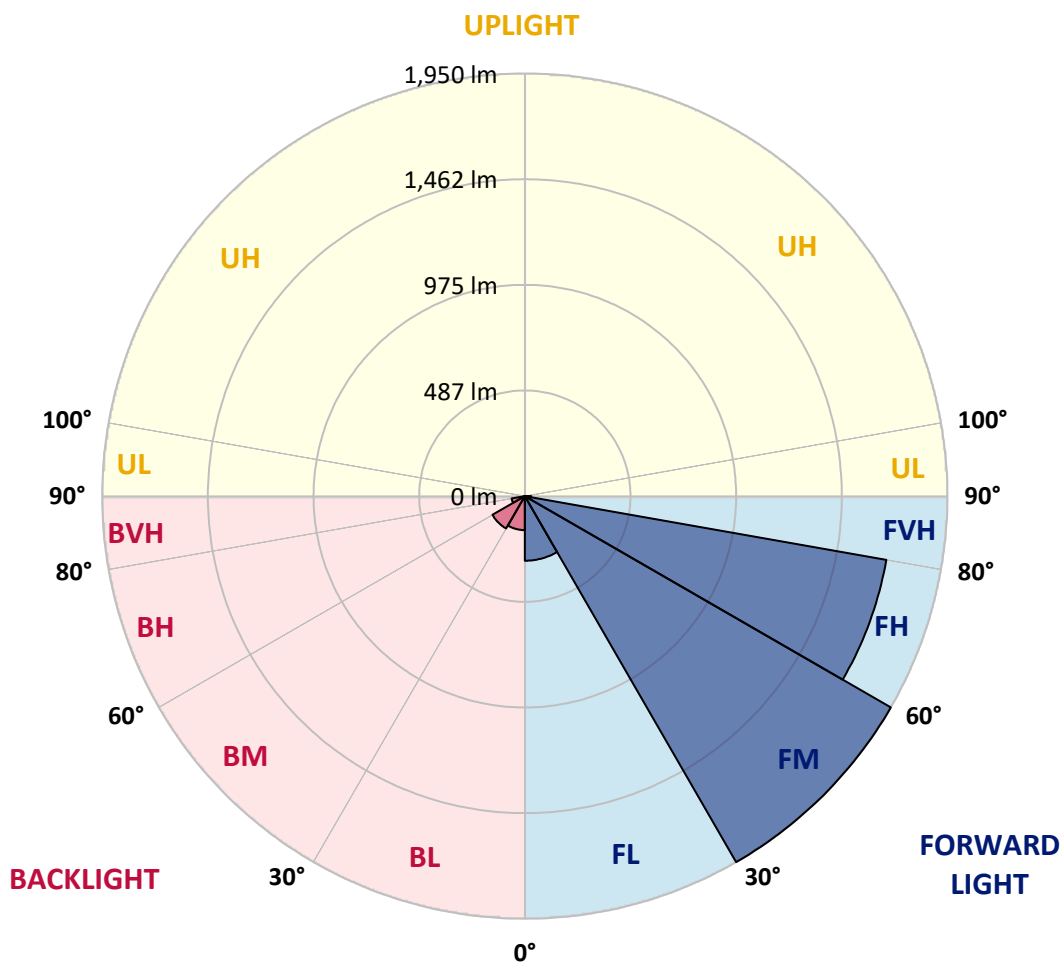
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.0	6.8			
FM (30°-60°)	1949.8	44.7			
FH (60°-80°)	1693.5	38.8			G1/1800
FVH (80°-90°)	29.1	0.7			G1/100
BL (0°-30°)	156.7	3.6	B1/500		
BM (30°-60°)	172.5	4.0	B0/220		
BH (60°-80°)	61.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1

Type III Short





REPORT NUMBER: P674694

CATALOG NUMBER: CCP-SA-1D-735-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6
2.5°	690.1	694.5	700.2	702.2	709.0	718.7	715.8	713.8	724.7	739.6	744.4
5°	647.1	647.5	656.4	662.8	674.4	683.7	693.7	692.9	712.6	737.9	754.0
7.5°	604.9	605.7	615.0	625.0	641.9	660.0	675.2	674.4	706.2	740.0	770.5
10°	549.4	553.5	564.7	582.4	608.9	637.5	658.8	660.8	699.0	747.6	793.0
12.5°	504.8	506.8	519.3	542.2	573.6	610.9	650.7	649.5	700.6	761.7	822.3
15°	485.9	484.7	492.4	509.2	545.0	592.0	642.7	645.5	706.2	777.7	852.9
17.5°	490.4	489.1	493.2	499.2	524.5	576.4	638.3	643.1	715.0	794.6	881.4
20°	539.4	530.9	523.7	517.3	520.9	563.5	635.5	640.7	720.3	807.5	911.6
22.5°	633.8	623.4	604.1	568.3	544.6	564.3	636.3	643.1	731.9	828.4	948.2
25°	787.8	777.7	736.3	663.2	600.5	593.2	647.1	654.3	758.8	860.1	987.1
27.5°	991.6	969.1	918.8	813.9	692.9	639.5	679.7	687.7	797.0	884.6	1013.7
30°	1160.8	1155.5	1107.3	978.7	820.3	707.4	716.2	720.7	814.3	899.5	1040.2
32.5°	1336.4	1325.6	1281.4	1156.4	968.2	804.3	757.2	759.2	836.8	921.6	1078.8
35°	1489.1	1479.1	1442.1	1320.7	1141.1	934.5	825.2	820.7	883.4	970.3	1131.0
37.5°	1630.6	1629.4	1596.9	1473.1	1296.2	1069.5	925.2	921.6	956.2	1023.7	1201.8
40°	1768.9	1765.7	1737.9	1625.0	1449.0	1204.2	1020.5	1011.3	1018.1	1098.5	1295.0
42.5°	1853.7	1860.5	1870.2	1798.6	1630.2	1362.1	1141.1	1135.5	1134.2	1215.4	1417.6
45°	1899.5	1911.6	1968.2	1961.8	1822.3	1558.7	1312.7	1298.2	1293.4	1376.2	1557.9
47.5°	1944.1	1949.4	2042.2	2081.2	2006.4	1763.7	1520.1	1500.0	1480.3	1572.3	1725.5
50°	1946.9	1955.4	2070.3	2165.2	2160.8	1965.4	1752.8	1735.1	1712.6	1811.1	1889.1
52.5°	1907.6	1924.4	2066.7	2218.2	2256.4	2143.5	1994.4	1979.9	1961.4	2035.0	2026.9
55°	1635.5	1664.0	1996.0	2223.1	2323.6	2296.2	2237.1	2217.0	2199.0	2251.2	2162.0
57.5°	1506.0	1522.1	1781.4	2219.5	2409.2	2437.7	2447.8	2438.5	2413.2	2478.3	2303.1
60°	1428.5	1451.8	1678.9	2179.3	2501.6	2597.7	2660.8	2642.3	2611.3	2701.0	2454.2
62.5°	1335.6	1352.5	1576.8	2063.5	2556.7	2760.5	2860.5	2843.7	2779.7	2906.4	2576.4
65°	1164.4	1189.7	1414.4	1881.4	2482.7	2879.8	3048.6	3043.0	2932.1	3061.5	2609.7
67.5°	947.8	970.7	1180.1	1631.8	2266.5	2835.2	3155.1	3137.5	3001.2	3073.2	2504.0
70°	711.4	723.9	881.8	1246.8	1856.9	2596.9	3078.0	3074.4	2896.3	2900.3	2179.7
72.5°	381.8	416.4	586.4	834.4	1305.9	2103.3	2743.2	2728.7	2584.0	2375.4	1567.5
75°	133.4	143.5	312.3	468.6	709.4	1401.1	2109.3	2075.6	1932.5	1545.0	854.1
77.5°	82.0	90.0	138.7	239.6	276.1	608.1	1267.3	1223.5	1131.0	668.0	291.8
80°	56.7	63.9	92.8	125.4	94.1	196.9	583.2	566.7	436.1	159.2	67.1
82.5°	31.8	38.2	70.3	61.5	37.8	51.0	202.2	187.3	116.2	43.0	22.5
85°	18.5	22.1	49.4	43.4	19.3	18.1	52.7	47.0	30.1	16.1	10.9
87.5°	9.6	12.5	36.2	28.9	11.7	6.4	12.1	11.7	7.6	5.6	7.2
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: P674694
 CATALOG NUMBER: CCP-SA-1D-735-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6	747.6
2.5°	753.2	751.2	761.7	765.3	764.5	762.9	766.9	761.7	761.3	760.0	758.8
5°	766.9	770.1	778.5	778.5	767.3	748.8	737.5	722.3	709.4	701.8	700.6
7.5°	787.4	793.8	799.4	782.2	743.6	697.7	649.1	610.9	577.6	560.3	558.7
10°	816.3	822.3	817.9	768.5	685.7	590.8	511.7	432.1	392.3	370.6	370.6
12.5°	850.9	855.7	828.8	734.3	590.4	453.0	347.3	263.7	223.9	198.2	196.5
15°	888.3	889.5	827.2	674.8	472.7	304.3	199.4	146.3	129.4	125.8	125.0
17.5°	920.8	916.0	810.3	586.8	340.4	181.3	126.6	114.5	111.3	111.3	111.3
20°	951.4	935.3	776.5	484.3	218.2	123.4	108.9	105.7	105.7	106.1	106.1
22.5°	985.1	953.4	728.3	370.6	140.3	105.7	102.1	100.5	100.1	101.3	100.9
25°	1024.9	971.1	659.2	256.0	108.5	98.5	96.9	95.3	95.3	95.3	95.3
27.5°	1047.0	968.7	580.4	161.6	94.9	91.2	89.6	88.0	86.8	86.4	86.8
30°	1066.3	954.6	477.5	112.9	85.6	81.6	80.4	78.4	76.0	75.2	75.2
32.5°	1091.6	942.9	369.8	90.8	77.6	73.2	69.5	66.3	62.3	60.7	60.3
35°	1119.8	921.6	270.9	80.0	70.3	64.7	59.1	53.9	48.6	47.0	46.6
37.5°	1154.7	902.3	183.7	74.0	64.3	57.5	49.8	42.6	37.8	37.0	37.0
40°	1202.2	886.3	127.0	68.7	58.7	50.6	41.4	33.8	30.5	29.7	29.7
42.5°	1266.9	873.0	96.1	64.3	53.9	43.8	33.4	27.7	25.3	24.5	24.5
45°	1343.2	852.5	81.2	60.3	49.0	37.0	27.7	23.3	22.1	22.1	22.1
47.5°	1430.9	826.8	74.0	56.3	43.8	30.1	23.3	21.3	20.9	20.9	21.3
50°	1519.3	796.2	68.7	51.4	37.8	25.7	21.3	20.1	20.1	20.5	20.5
52.5°	1579.2	748.4	63.5	46.2	31.8	22.5	20.1	19.7	19.3	19.3	19.3
55°	1637.5	706.6	56.3	40.6	26.5	20.9	19.3	18.9	18.9	18.5	18.5
57.5°	1698.2	673.6	47.0	33.8	22.5	19.7	18.5	18.5	17.7	17.3	17.3
60°	1768.5	644.7	36.2	26.5	19.7	18.5	17.3	16.9	16.1	15.3	15.3
62.5°	1789.0	583.6	27.3	21.3	16.9	16.1	15.7	14.9	12.9	11.3	11.7
65°	1735.5	487.5	21.7	16.9	13.7	13.7	12.5	10.5	8.4	7.2	7.2
67.5°	1588.0	364.1	17.7	13.3	10.9	10.5	8.8	7.6	5.2	4.4	4.4
70°	1308.7	240.8	14.5	10.5	8.8	7.2	6.0	5.6	4.0	3.2	3.2
72.5°	917.2	130.6	12.1	8.4	6.4	4.8	4.0	3.6	2.8	2.4	2.0
75°	484.3	50.2	9.6	6.4	4.0	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	166.0	21.3	6.8	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	39.4	12.5	4.4	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.3	7.2	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.7	4.4	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.2	2.8	1.6	1.6	1.2	0.8	0.4	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)