

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: P671138

Luminaire Tested: **CCP-SA-1D-827-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671138
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

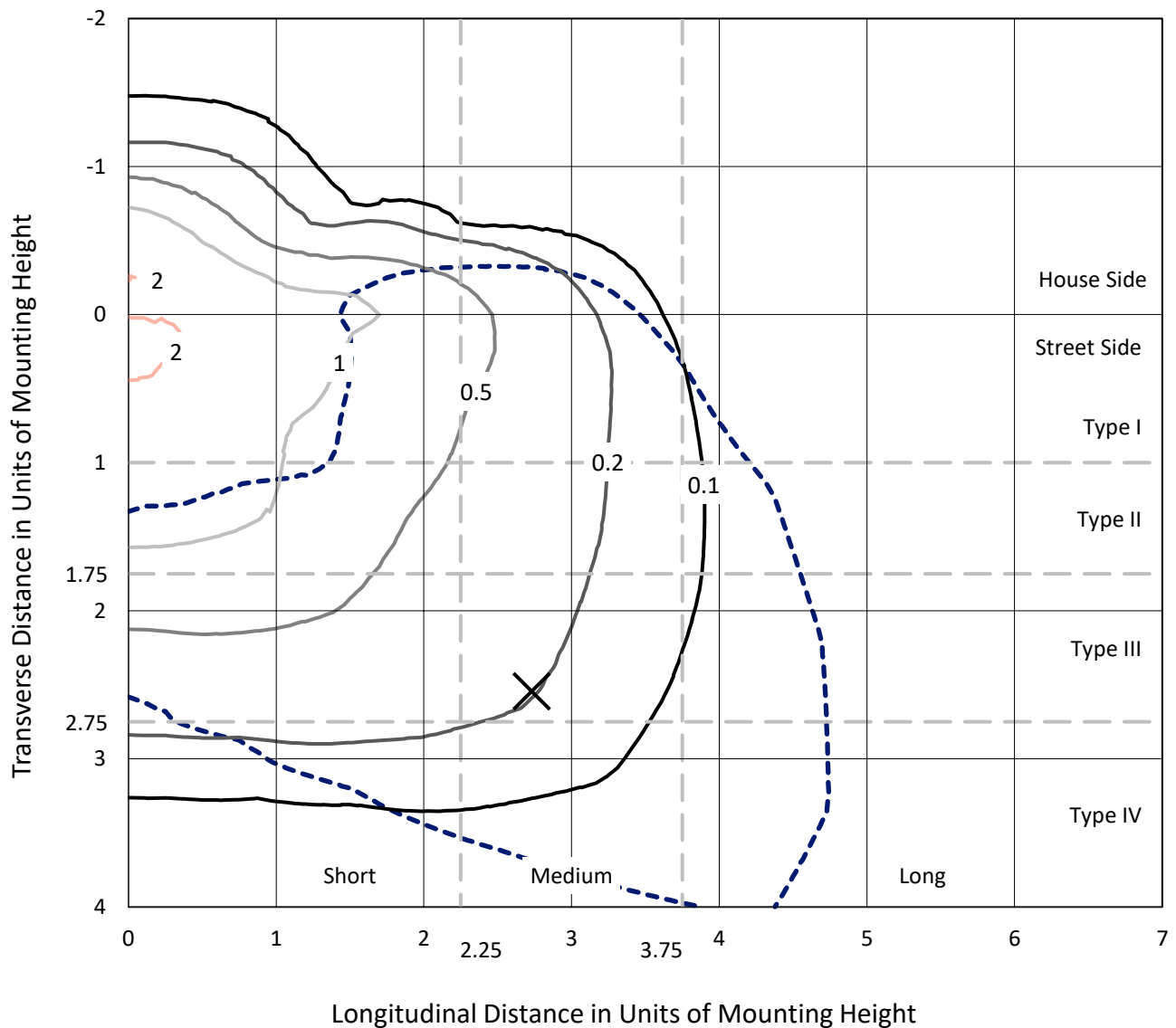
Lumens per Lamp: N/A
Luminaire Lumens: 4135.7 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

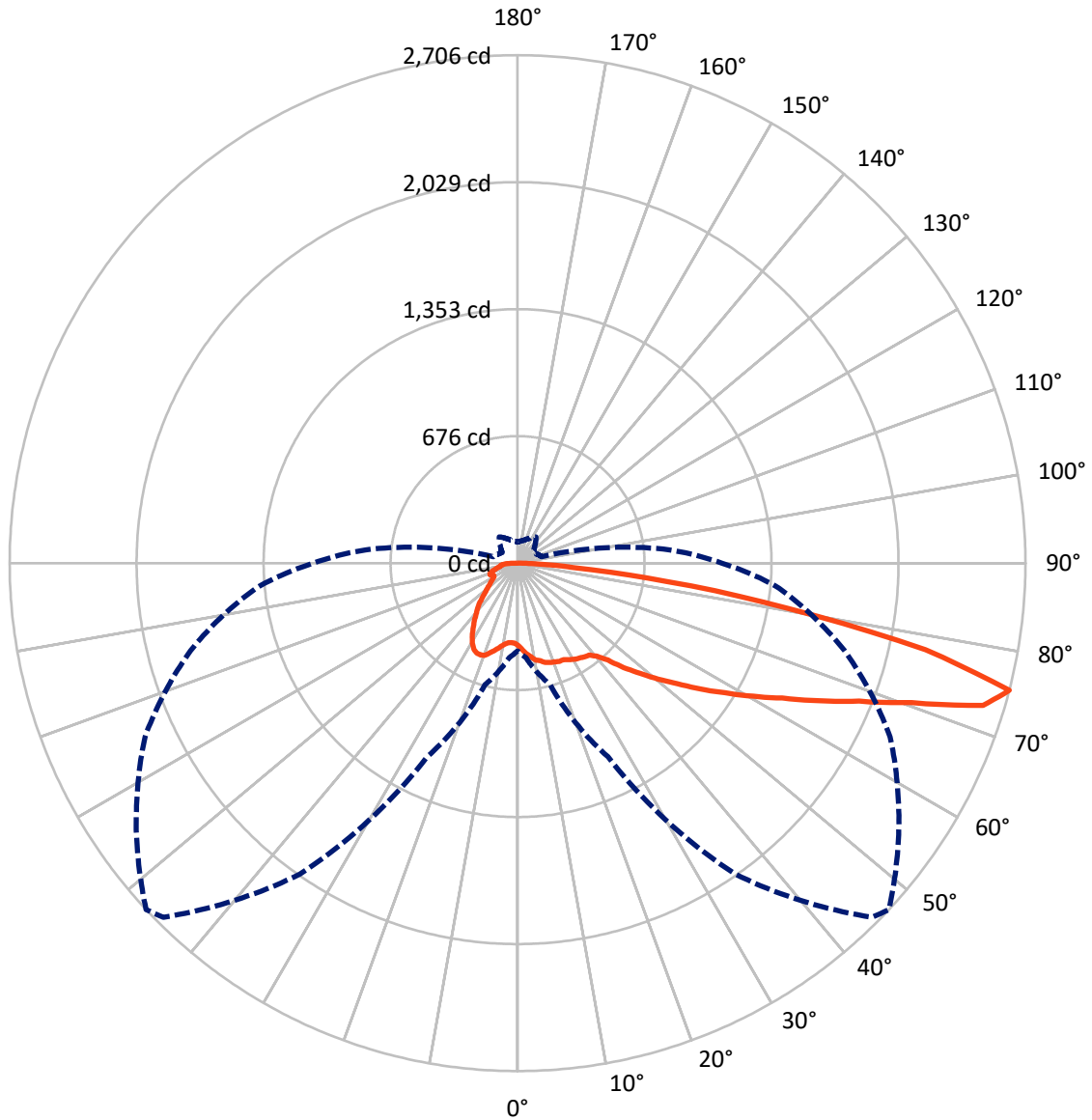
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.1	0.0	989.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3146.7	0.0	3146.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	4135.7	0.0	4135.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.1
10°-20°	147.4	3.6
20°-30°	252.5	6.1
30°-40°	353.3	8.5
40°-50°	492.6	11.9
50°-60°	736.3	17.8
60°-70°	1061.6	25.7
70°-80°	903.6	21.8
80°-90°	144.0	3.5
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°	4135.7	100.0
0°-180°	4135.7	100.0

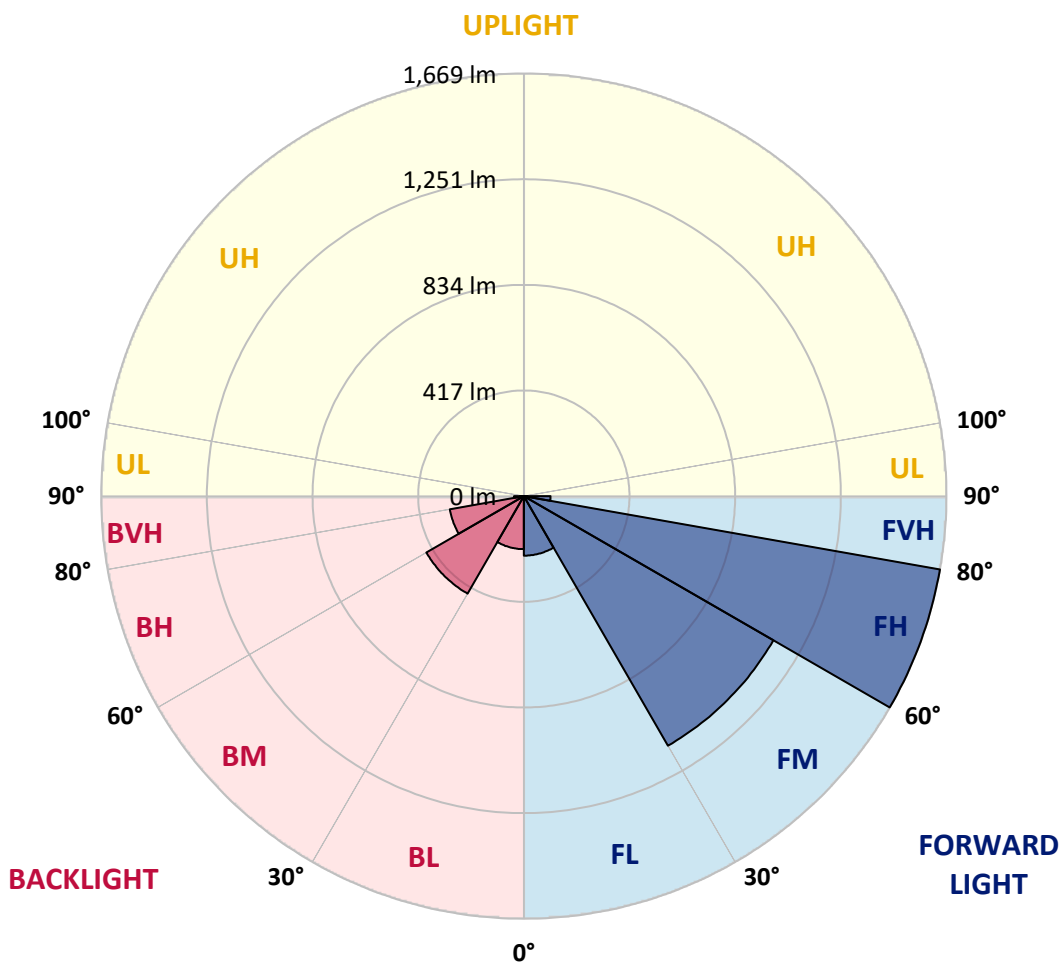


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.0	5.7			
FM (30°-60°)	1137.7	27.5			
FH (60°-80°)	1668.5	40.3			G1/1800
FVH (80°-90°)	105.5	2.6			G2/225
BL (0°-30°)	209.3	5.1	B1/500		
BM (30°-60°)	444.5	10.7	B1/1000		
BH (60°-80°)	296.7	7.2	B1/500		G1/500
BVH (80°-90°)	38.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1
2.5°	470.8	472.3	472.3	469.3	466.3	460.3	460.3	454.2	451.2	443.7	440.6
5°	514.6	510.1	505.5	504.0	496.5	485.9	484.4	478.4	461.8	454.2	443.7
7.5°	546.3	544.8	543.3	537.2	523.6	507.0	502.5	493.5	476.9	461.8	449.7
10°	571.9	578.0	571.9	558.3	544.8	526.7	525.1	508.5	493.5	475.3	460.3
12.5°	600.6	602.1	591.5	574.9	553.8	538.7	532.7	526.7	510.1	495.0	472.3
15°	620.2	617.2	609.6	587.0	562.9	547.8	549.3	541.7	523.6	513.1	488.9
17.5°	620.2	620.2	608.1	591.5	570.4	556.8	556.8	552.3	540.2	525.1	508.5
20°	608.1	608.1	600.6	591.5	567.4	564.4	561.4	558.3	558.3	544.8	520.6
22.5°	593.1	590.0	593.1	578.0	561.4	564.4	568.9	567.4	562.9	550.8	534.2
25°	578.0	579.5	582.5	571.9	556.8	570.4	568.9	576.5	573.4	564.4	550.8
27.5°	576.5	579.5	581.0	570.4	564.4	576.5	582.5	590.0	591.5	582.5	565.9
30°	599.1	597.6	596.1	582.5	578.0	588.5	594.6	605.1	614.2	594.6	581.0
32.5°	657.9	648.9	639.8	603.6	590.0	597.6	603.6	618.7	620.2	609.6	590.0
35°	751.5	745.5	715.3	651.9	614.2	606.6	612.7	623.2	626.2	618.7	603.6
37.5°	858.6	855.6	813.4	736.4	664.0	627.8	621.7	636.8	648.9	632.3	611.2
40°	964.3	952.2	922.0	846.6	727.4	659.4	651.9	659.4	664.0	651.9	638.3
42.5°	1059.3	1045.8	1038.2	962.8	810.4	712.3	706.2	688.1	701.7	686.6	668.5
45°	1139.3	1136.3	1133.3	1068.4	905.4	798.3	793.8	747.0	762.1	750.0	724.3
47.5°	1196.7	1210.2	1205.7	1169.5	1014.1	890.3	876.7	816.4	839.0	827.0	801.3
50°	1264.6	1272.1	1267.6	1243.4	1115.2	996.0	970.3	908.4	934.1	932.6	919.0
52.5°	1324.9	1347.6	1321.9	1320.4	1260.0	1110.6	1066.9	1008.0	1050.3	1066.9	1065.4
55°	1395.9	1414.0	1406.4	1403.4	1389.8	1222.3	1183.1	1112.2	1183.1	1207.2	1228.4
57.5°	1456.2	1454.7	1483.4	1518.1	1534.7	1350.6	1303.8	1220.8	1327.9	1355.1	1414.0
60°	1483.4	1509.0	1557.3	1644.8	1691.6	1487.9	1439.6	1373.2	1474.3	1495.5	1604.1
62.5°	1501.5	1524.1	1617.7	1765.6	1792.7	1628.2	1583.0	1516.6	1634.3	1649.4	1810.8
65°	1451.7	1472.8	1658.4	1810.8	1907.4	1779.2	1768.6	1699.2	1794.2	1803.3	2028.1
67.5°	1394.3	1417.0	1623.7	1868.2	2059.8	1979.9	1963.3	1880.3	1952.7	1942.1	2194.1
70°	1293.2	1323.4	1534.7	1918.0	2228.8	2260.5	2227.3	2109.6	2117.2	2017.6	2201.7
72.5°	985.4	1005.0	1201.2	1720.3	2307.3	2649.9	2592.5	2357.1	2271.1	2032.7	1943.6
75°	467.8	504.0	670.0	1137.8	2022.1	2668.0	2705.7	2479.3	2189.6	1803.3	1377.7
77.5°	135.8	135.8	203.7	482.9	1267.6	2150.4	2221.3	2105.1	1806.3	1335.5	724.3
80°	73.9	78.5	107.1	170.5	556.8	1356.6	1459.2	1395.9	1063.9	528.2	187.1
82.5°	42.3	43.8	70.9	102.6	253.5	737.9	798.3	724.3	404.4	160.0	87.5
85°	24.1	25.7	40.7	67.9	150.9	271.6	295.8	256.5	163.0	107.1	43.8
87.5°	12.1	12.1	19.6	31.7	77.0	77.0	75.5	92.1	98.1	64.9	19.6
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°	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1
2.5°	439.1	437.6	437.6	431.6	430.1	425.5	425.5	422.5	421.0	425.5	425.5
5°	440.6	433.1	431.6	425.5	427.1	424.0	430.1	427.1	425.5	425.5	424.0
7.5°	443.7	436.1	430.1	425.5	424.0	428.6	436.1	436.1	445.2	440.6	440.6
10°	451.2	446.7	439.1	436.1	436.1	440.6	449.7	455.7	463.3	463.3	458.7
12.5°	469.3	461.8	452.7	448.2	454.2	458.7	467.8	473.8	482.9	485.9	482.9
15°	482.9	475.3	472.3	469.3	473.8	479.9	487.4	493.5	504.0	507.0	505.5
17.5°	501.0	491.9	490.4	491.9	495.0	499.5	504.0	508.5	516.1	516.1	516.1
20°	510.1	507.0	505.5	510.1	516.1	522.1	519.1	516.1	514.6	517.6	516.1
22.5°	526.7	523.6	525.1	529.7	529.7	526.7	522.1	511.6	508.5	511.6	508.5
25°	541.7	538.7	538.7	535.7	534.2	523.6	514.6	505.5	495.0	499.5	498.0
27.5°	556.8	555.3	555.3	543.3	528.2	510.1	498.0	487.4	481.4	488.9	484.4
30°	574.9	576.5	568.9	540.2	504.0	484.4	470.8	469.3	467.8	472.3	470.8
32.5°	591.5	593.1	581.0	535.7	485.9	448.2	434.6	436.1	443.7	451.2	458.7
35°	600.6	608.1	593.1	520.6	449.7	407.4	392.3	405.9	419.5	430.1	437.6
37.5°	617.2	636.8	611.2	504.0	418.0	371.2	360.7	365.2	381.8	398.4	405.9
40°	641.3	664.0	615.7	472.3	375.7	335.0	329.0	330.5	336.5	347.1	354.6
42.5°	683.6	707.7	620.2	431.6	333.5	312.4	295.8	291.2	286.7	286.7	285.2
45°	745.5	768.1	614.2	380.3	291.2	276.2	264.1	253.5	241.4	221.8	224.8
47.5°	836.0	854.1	618.7	335.0	252.0	239.9	230.9	218.8	200.7	179.6	178.1
50°	973.3	946.2	612.7	288.2	223.3	212.8	205.2	188.6	167.5	152.4	150.9
52.5°	1133.3	1079.0	606.6	249.0	199.2	190.1	184.1	166.0	146.4	138.8	137.3
55°	1326.4	1248.0	615.7	214.3	181.1	173.5	167.5	150.9	135.8	129.8	128.3
57.5°	1554.3	1430.6	665.5	187.1	161.5	158.4	156.9	143.4	129.8	125.2	123.7
60°	1768.6	1605.6	698.7	167.5	143.4	146.4	149.4	143.4	128.3	125.2	125.2
62.5°	1948.2	1750.5	645.9	150.9	134.3	143.4	156.9	152.4	146.4	149.4	146.4
65°	2106.6	1800.3	482.9	141.8	129.8	150.9	173.5	172.0	158.4	161.5	160.0
67.5°	2133.8	1739.9	315.4	134.3	126.8	166.0	194.7	176.6	149.4	149.4	144.9
70°	2020.6	1578.4	211.3	126.8	125.2	166.0	199.2	166.0	140.3	140.3	134.3
72.5°	1658.4	1261.6	163.0	119.2	114.7	147.9	188.6	156.9	131.3	128.3	117.7
75°	1089.5	813.4	132.8	113.2	99.6	129.8	170.5	144.9	125.2	116.2	111.7
77.5°	534.2	365.2	111.7	99.6	86.0	113.2	155.4	137.3	117.7	108.7	105.6
80°	146.4	131.3	93.6	87.5	72.4	98.1	146.4	131.3	110.2	101.1	96.6
82.5°	83.0	81.5	75.5	70.9	60.4	98.1	147.9	131.3	104.1	102.6	87.5
85°	45.3	48.3	54.3	52.8	46.8	87.5	140.3	114.7	84.5	70.9	70.9
87.5°	18.1	22.6	27.2	30.2	31.7	64.9	105.6	87.5	64.9	54.3	54.3
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)