

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: P674783

Luminaire Tested: **CCP-SA-1E-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674783
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-850-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

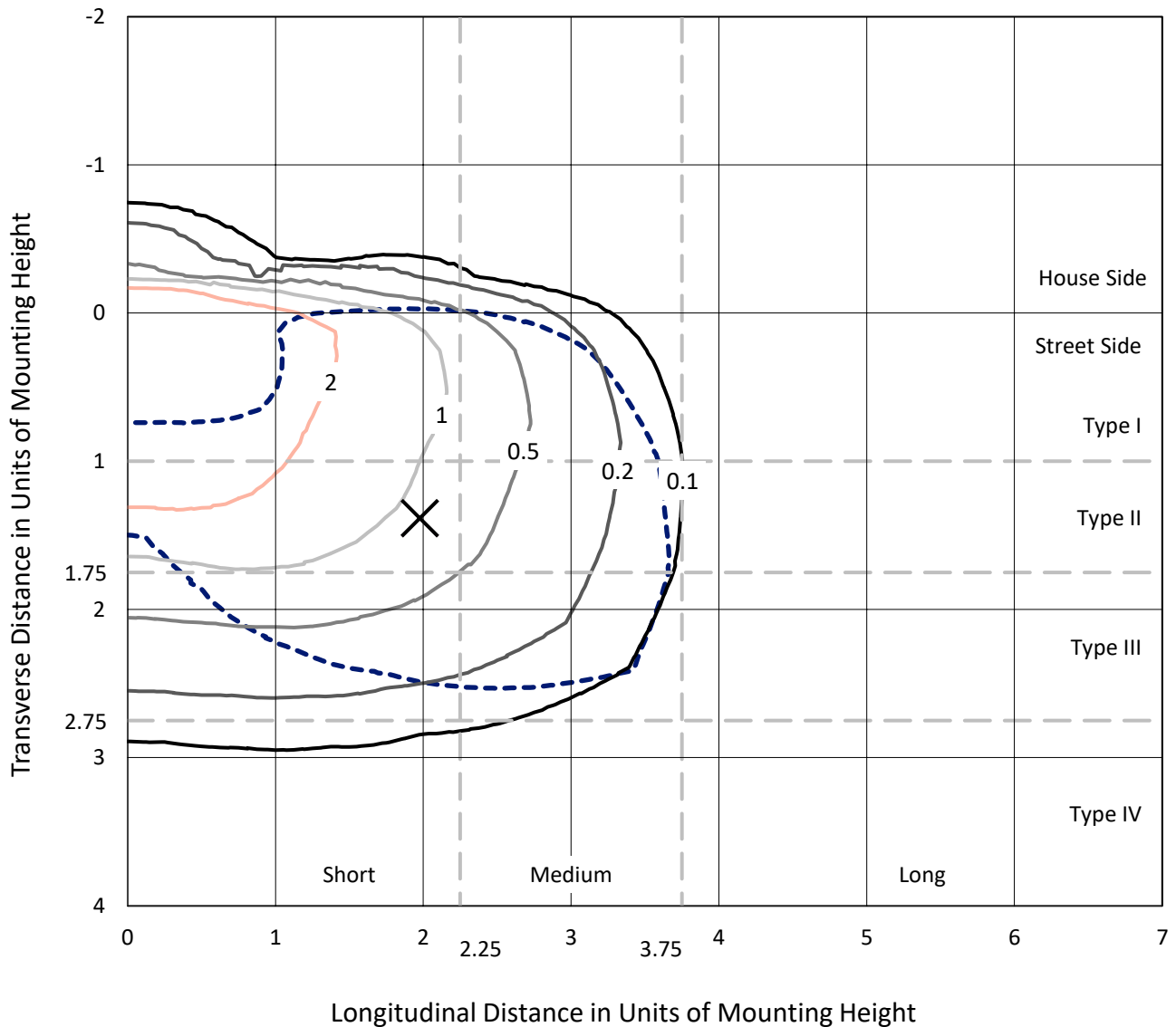
Lumens per Lamp: N/A
Luminaire Lumens: 4731.6 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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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 CATALOG NUMBER: CCP-SA-1E-850-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

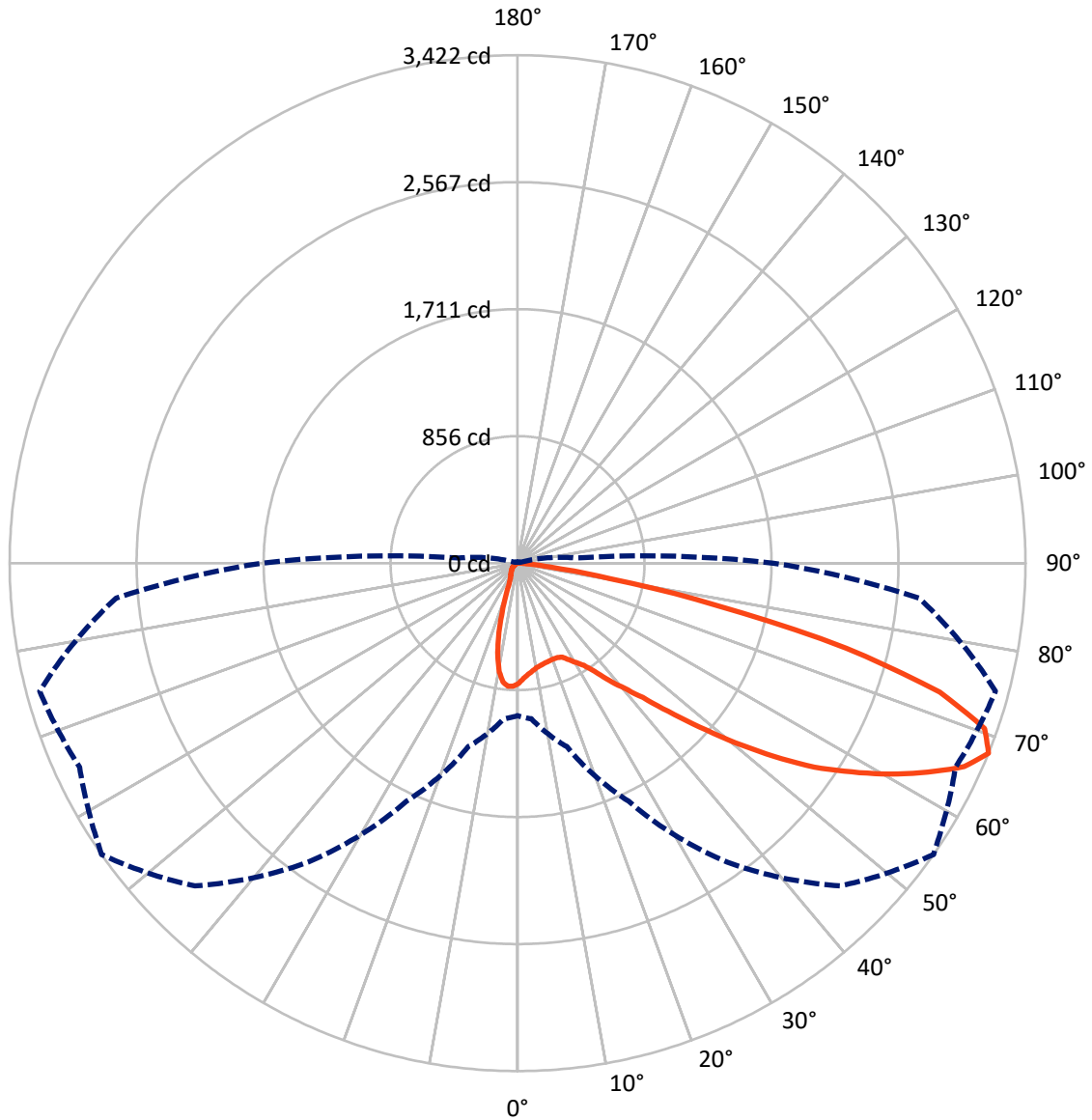
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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CATALOG NUMBER: CCP-SA-1E-850-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	425.1	0.0	425.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4306.5	0.0	4306.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4731.6	0.0	4731.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.5
10°-20°	162.0	3.4
20°-30°	260.0	5.5
30°-40°	450.9	9.5
40°-50°	751.8	15.9
50°-60°	1099.3	23.2
60°-70°	1281.8	27.1
70°-80°	622.1	13.1
80°-90°	32.5	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°	4731.6	100.0
0°-180°	4731.6	100.0



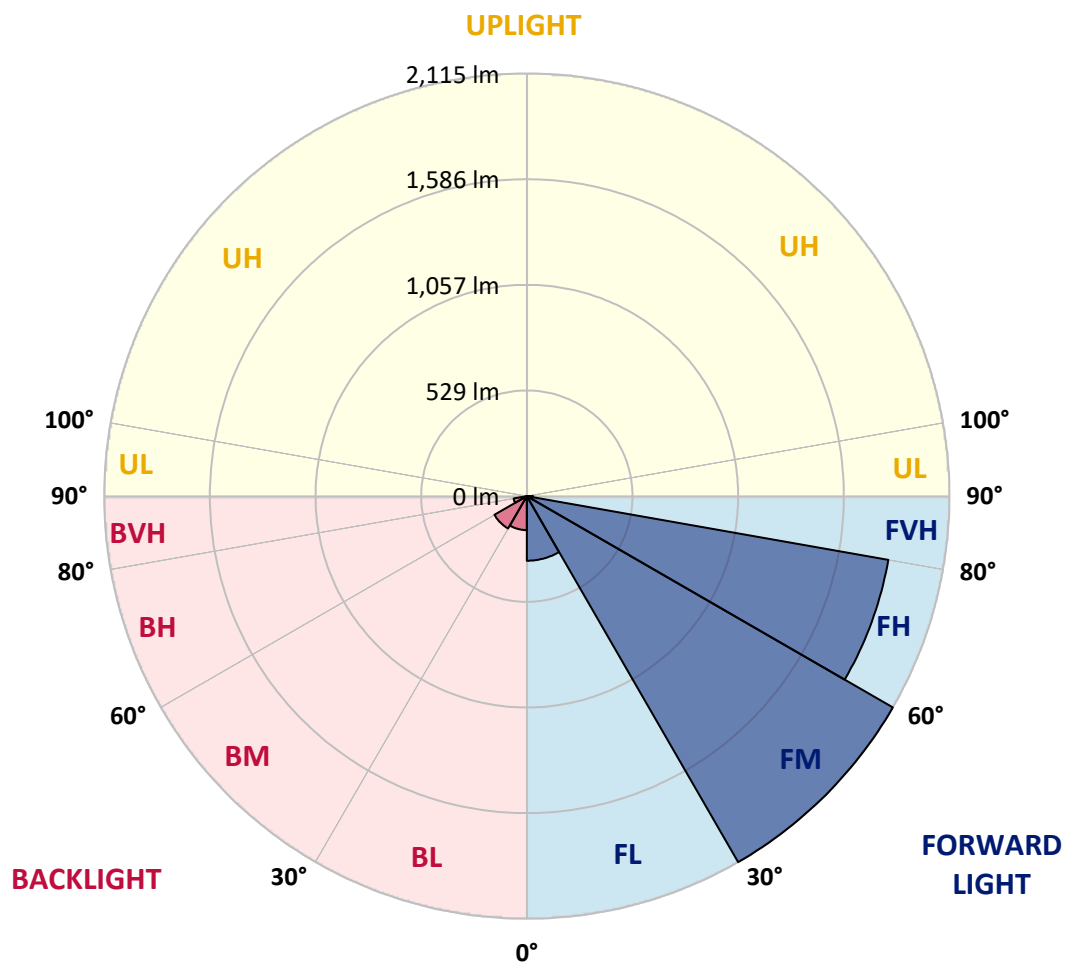
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.2	6.8			
FM (30°-60°)	2114.9	44.7			
FH (60°-80°)	1836.9	38.8			G2/5000
FVH (80°-90°)	31.6	0.7			G1/100
BL (0°-30°)	169.9	3.6	B1/500		
BM (30°-60°)	187.1	4.0	B0/220		
BH (60°-80°)	67.0	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-G2

Type III Short





REPORT NUMBER: P674783

CATALOG NUMBER: CCP-SA-1E-850-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9
2.5°	748.5	753.3	759.4	761.6	769.0	779.5	776.4	774.2	786.0	802.1	807.4
5°	701.9	702.3	711.9	718.9	731.5	741.5	752.4	751.6	772.9	800.4	817.8
7.5°	656.1	657.0	667.0	677.9	696.2	715.8	732.4	731.5	766.0	802.6	835.7
10°	595.9	600.3	612.5	631.7	660.5	691.4	714.5	716.7	758.1	810.9	860.1
12.5°	547.5	549.7	563.2	588.1	622.1	662.6	705.8	704.5	759.9	826.1	891.9
15°	527.1	525.7	534.0	552.3	591.1	642.1	697.1	700.1	766.0	843.6	925.1
17.5°	531.9	530.5	534.9	541.4	568.9	625.1	692.3	697.5	775.5	861.9	956.0
20°	585.0	575.9	568.0	561.1	565.0	611.2	689.2	694.9	781.2	875.8	988.7
22.5°	687.5	676.2	655.2	616.4	590.7	612.1	690.1	697.5	793.9	898.5	1028.4
25°	854.5	843.6	798.7	719.3	651.3	643.5	701.9	709.7	823.1	932.9	1070.7
27.5°	1075.5	1051.1	996.6	882.8	751.6	693.6	737.2	745.9	864.5	959.5	1099.5
30°	1259.0	1253.3	1201.0	1061.5	889.8	767.3	776.9	781.6	883.2	975.6	1128.2
32.5°	1449.5	1437.7	1389.8	1254.2	1050.2	872.3	821.3	823.5	907.6	999.6	1170.1
35°	1615.2	1604.3	1564.2	1432.5	1237.6	1013.6	895.0	890.2	958.2	1052.4	1226.7
37.5°	1768.6	1767.3	1732.0	1597.7	1405.9	1160.0	1003.5	999.6	1037.1	1110.4	1303.5
40°	1918.6	1915.1	1885.0	1762.5	1571.6	1306.1	1106.9	1096.8	1104.2	1191.4	1404.6
42.5°	2010.6	2018.0	2028.5	1950.9	1768.2	1477.4	1237.6	1231.5	1230.2	1318.3	1537.6
45°	2060.3	2073.4	2134.8	2127.8	1976.6	1690.6	1423.8	1408.1	1402.9	1492.7	1689.7
47.5°	2108.7	2114.3	2215.0	2257.3	2176.2	1912.9	1648.7	1626.9	1605.6	1705.4	1871.5
50°	2111.7	2120.9	2245.6	2348.4	2343.6	2131.8	1901.2	1882.0	1857.6	1964.4	2048.9
52.5°	2069.0	2087.3	2241.6	2406.0	2447.4	2324.9	2163.2	2147.5	2127.4	2207.2	2198.5
55°	1773.9	1804.8	2164.9	2411.2	2520.2	2490.6	2426.5	2404.7	2385.1	2441.7	2344.9
57.5°	1633.5	1650.9	1932.1	2407.3	2613.1	2644.0	2654.9	2644.9	2617.4	2688.0	2498.0
60°	1549.3	1574.6	1820.9	2363.7	2713.3	2817.5	2886.0	2865.9	2832.3	2929.5	2661.9
62.5°	1448.6	1467.0	1710.2	2238.1	2773.0	2994.1	3102.6	3084.3	3015.0	3152.3	2794.4
65°	1262.9	1290.4	1534.1	2040.7	2692.8	3123.5	3306.6	3300.5	3180.2	3320.6	2830.6
67.5°	1028.0	1052.8	1279.9	1769.9	2458.3	3075.2	3422.2	3403.0	3255.2	3333.2	2715.9
70°	771.6	785.1	956.5	1352.3	2014.1	2816.6	3338.5	3334.5	3141.4	3145.8	2364.1
72.5°	414.1	451.6	636.0	905.0	1416.4	2281.3	2975.3	2959.6	2802.7	2576.4	1700.2
75°	144.7	155.6	338.7	508.3	769.4	1519.7	2287.8	2251.2	2096.0	1675.8	926.4
77.5°	88.9	97.7	150.4	259.8	299.5	659.6	1374.5	1327.0	1226.7	724.5	316.5
80°	61.5	69.3	100.7	136.0	102.0	213.6	632.6	614.7	473.0	172.6	72.8
82.5°	34.4	41.4	76.3	66.7	41.0	55.4	219.3	203.2	126.0	46.6	24.4
85°	20.1	24.0	53.6	47.1	20.9	19.6	57.1	51.0	32.7	17.4	11.8
87.5°	10.5	13.5	39.2	31.4	12.6	7.0	13.1	12.6	8.3	6.1	7.8
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: P674783
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9
2.5°	817.0	814.8	826.1	830.0	829.2	827.4	831.8	826.1	825.7	824.4	823.1
5°	831.8	835.3	844.4	844.4	832.2	812.2	800.0	783.4	769.4	761.2	759.9
7.5°	854.0	861.0	867.1	848.3	806.5	756.8	704.1	662.6	626.5	607.7	606.0
10°	885.4	891.9	887.1	833.5	743.7	640.8	555.0	468.6	425.5	401.9	401.9
12.5°	922.9	928.1	898.9	796.5	640.4	491.3	376.7	286.0	242.8	214.9	213.2
15°	963.4	964.7	897.2	732.0	512.7	330.0	216.2	158.7	140.4	136.5	135.6
17.5°	998.7	993.5	878.9	636.5	369.2	196.6	137.3	124.2	120.8	120.8	120.8
20°	1031.9	1014.4	842.2	525.3	236.7	133.8	118.1	114.7	114.7	115.1	115.1
22.5°	1068.5	1034.1	789.9	401.9	152.1	114.7	110.7	109.0	108.6	109.9	109.4
25°	1111.7	1053.2	714.9	277.7	117.7	106.8	105.1	103.3	103.3	103.3	103.3
27.5°	1135.6	1050.6	629.5	175.2	102.9	99.0	97.2	95.5	94.2	93.7	94.2
30°	1156.6	1035.4	517.9	122.5	92.9	88.5	87.2	85.0	82.4	81.5	81.5
32.5°	1184.0	1022.7	401.1	98.5	84.1	79.3	75.4	71.9	67.6	65.8	65.4
35°	1214.5	999.6	293.8	86.8	76.3	70.2	64.1	58.4	52.7	51.0	50.6
37.5°	1252.5	978.7	199.2	80.2	69.8	62.3	54.1	46.2	41.0	40.1	40.1
40°	1303.9	961.3	137.8	74.5	63.6	54.9	44.9	36.6	33.1	32.3	32.3
42.5°	1374.1	946.9	104.2	69.8	58.4	47.5	36.2	30.1	27.5	26.6	26.6
45°	1456.9	924.6	88.1	65.4	53.2	40.1	30.1	25.3	24.0	24.0	24.0
47.5°	1552.0	896.7	80.2	61.0	47.5	32.7	25.3	23.1	22.7	22.7	23.1
50°	1647.9	863.6	74.5	55.8	41.0	27.9	23.1	21.8	21.8	22.2	22.2
52.5°	1712.8	811.7	68.9	50.1	34.4	24.4	21.8	21.4	20.9	20.9	20.9
55°	1776.0	766.4	61.0	44.0	28.8	22.7	20.9	20.5	20.5	20.1	20.1
57.5°	1841.9	730.6	51.0	36.6	24.4	21.4	20.1	20.1	19.2	18.7	18.7
60°	1918.2	699.3	39.2	28.8	21.4	20.1	18.7	18.3	17.4	16.6	16.6
62.5°	1940.4	633.0	29.6	23.1	18.3	17.4	17.0	16.1	14.0	12.2	12.6
65°	1882.4	528.8	23.5	18.3	14.8	14.8	13.5	11.3	9.2	7.8	7.8
67.5°	1722.4	395.0	19.2	14.4	11.8	11.3	9.6	8.3	5.7	4.8	4.8
70°	1419.4	261.1	15.7	11.3	9.6	7.8	6.5	6.1	4.4	3.5	3.5
72.5°	994.8	141.7	13.1	9.2	7.0	5.2	4.4	3.9	3.1	2.6	2.2
75°	525.3	54.5	10.5	7.0	4.4	3.5	2.6	2.6	2.2	1.7	1.7
77.5°	180.0	23.1	7.4	3.9	3.1	2.2	1.7	1.3	1.7	1.3	1.3
80°	42.7	13.5	4.8	2.6	1.7	1.3	1.3	0.9	0.9	0.9	0.9
82.5°	18.7	7.8	3.1	1.7	1.7	1.3	0.9	0.4	0.4	0.4	0.4
85°	12.6	4.8	2.2	1.7	1.3	0.9	0.4	0.4	0.0	0.0	0.0
87.5°	10.0	3.1	1.7	1.7	1.3	0.9	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)