

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: P675280

Luminaire Tested: **CCW-SA-1D-750-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675280
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-750-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4W distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

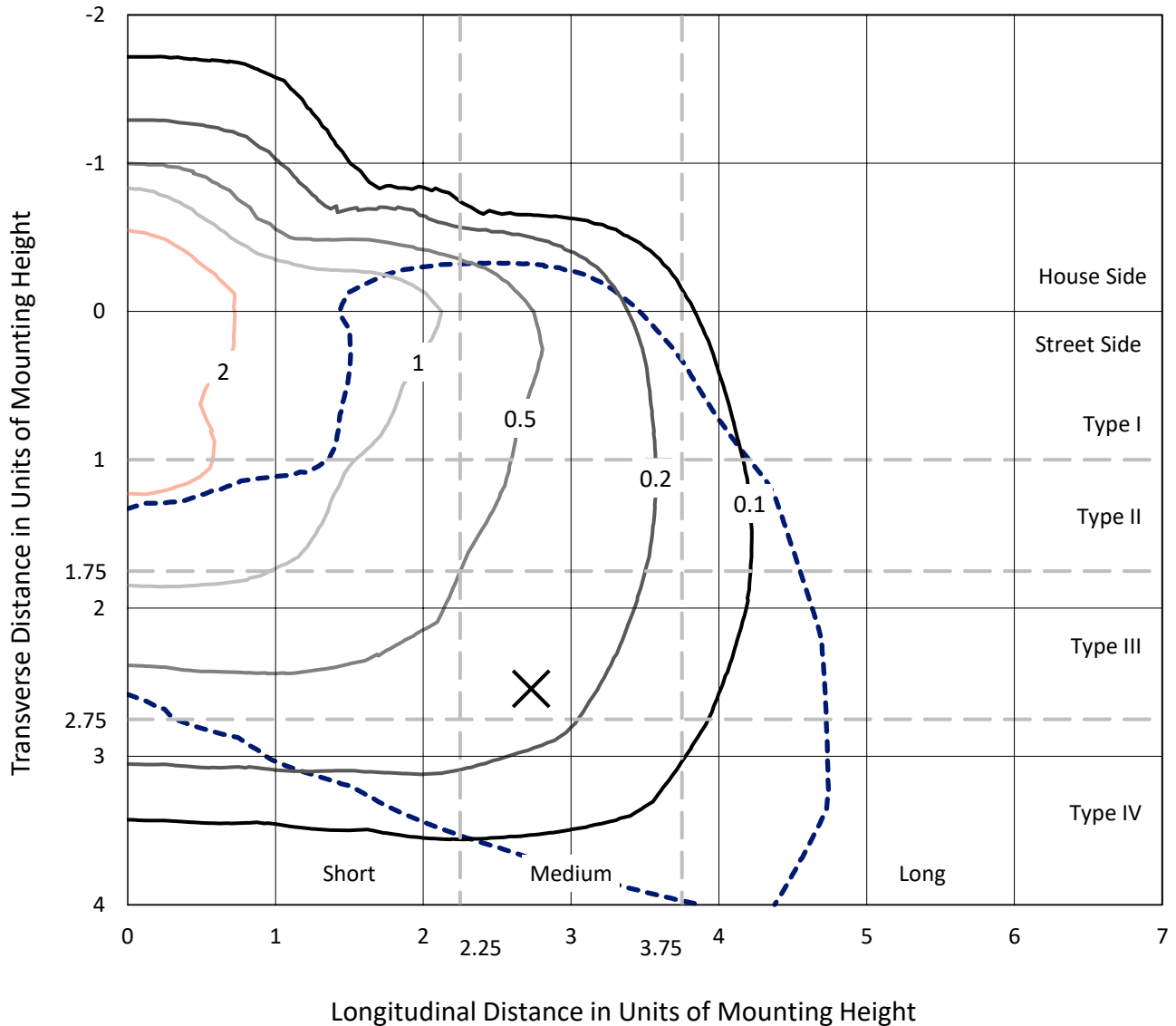
Lumens per Lamp: N/A
Luminaire Lumens: 5754.9 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

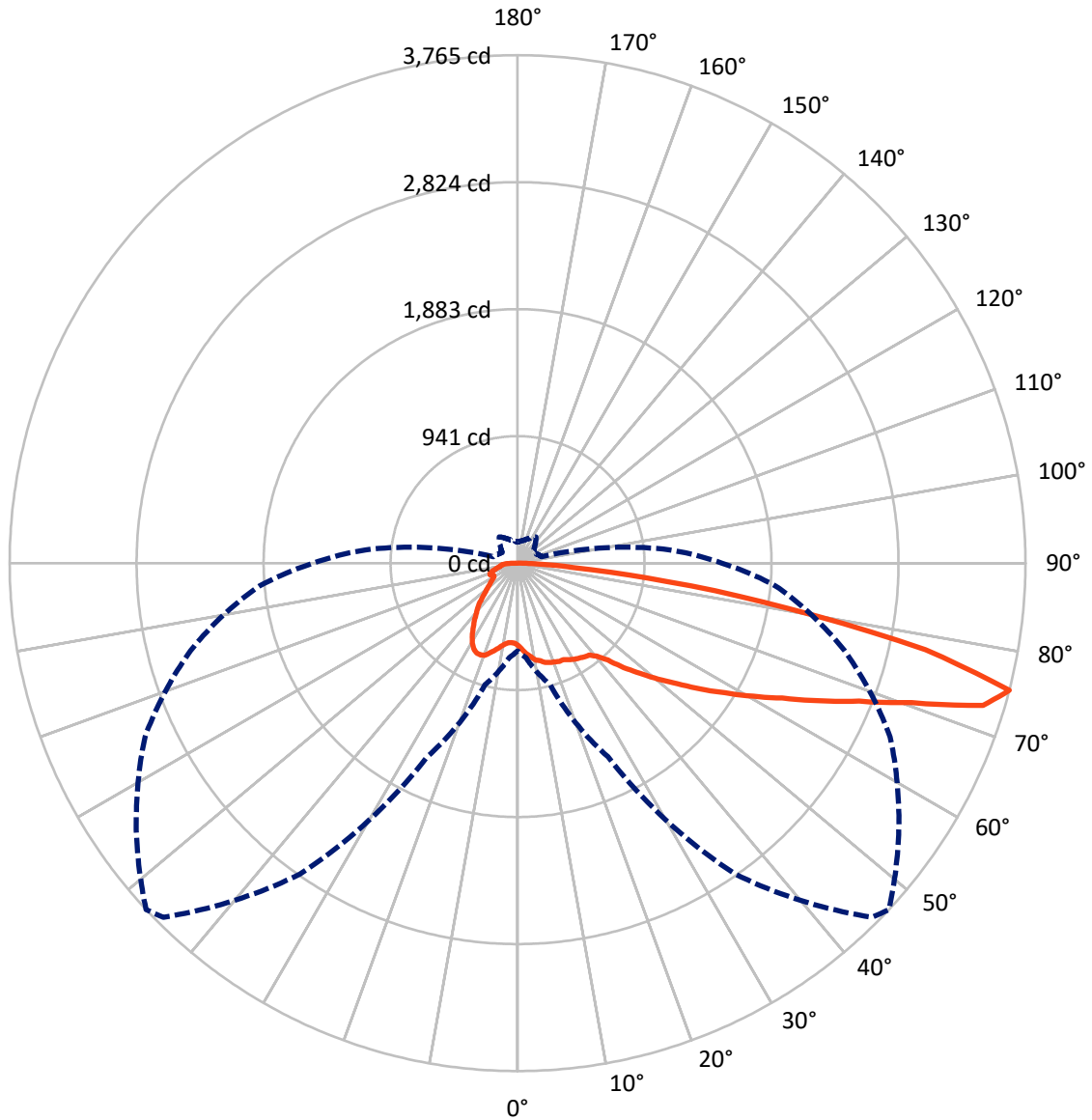
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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	1376.3	0.0	1376.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4378.6	0.0	4378.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	5754.9	0.0	5754.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.1
10°-20°	205.1	3.6
20°-30°	351.3	6.1
30°-40°	491.6	8.5
40°-50°	685.5	11.9
50°-60°	1024.6	17.8
60°-70°	1477.2	25.7
70°-80°	1257.5	21.8
80°-90°	200.3	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°	5754.9	100.0
0°-180°	5754.9	100.0



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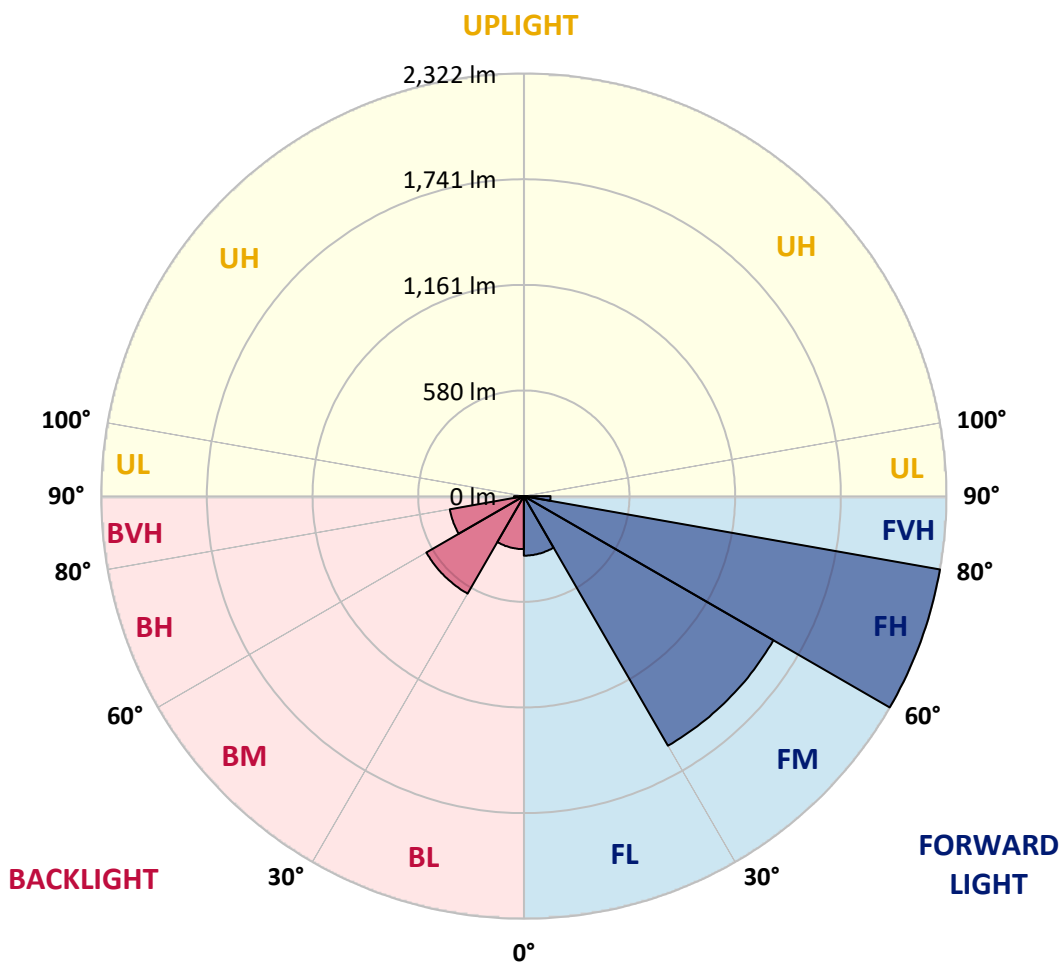
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.0	5.7			
FM (30°-60°)	1583.1	27.5			
FH (60°-80°)	2321.8	40.3			G2/5000
FVH (80°-90°)	146.8	2.6			G2/225
BL (0°-30°)	291.3	5.1	B1/500		
BM (30°-60°)	618.6	10.7	B1/1000		
BH (60°-80°)	412.9	7.2	B1/500		G1/500
BVH (80°-90°)	53.5	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°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	655.1	657.2	657.2	653.0	648.8	640.5	640.5	632.1	627.9	617.4	613.2
5°	716.0	709.7	703.4	701.3	690.8	676.1	674.0	665.6	642.6	632.1	617.4
7.5°	760.1	758.0	755.9	747.5	728.6	705.5	699.2	686.6	663.5	642.6	625.8
10°	795.8	804.2	795.8	776.9	758.0	732.8	730.7	707.6	686.6	661.4	640.5
12.5°	835.7	837.8	823.1	800.0	770.6	749.6	741.2	732.8	709.7	688.7	657.2
15°	863.0	858.8	848.3	816.8	783.2	762.2	764.3	753.8	728.6	713.9	680.3
17.5°	863.0	863.0	846.2	823.1	793.7	774.8	774.8	768.5	751.7	730.7	707.6
20°	846.2	846.2	835.7	823.1	789.5	785.3	781.1	776.9	776.9	758.0	724.4
22.5°	825.2	821.0	825.2	804.2	781.1	785.3	791.6	789.5	783.2	766.4	743.3
25°	804.2	806.3	810.5	795.8	774.8	793.7	791.6	802.1	797.9	785.3	766.4
27.5°	802.1	806.3	808.4	793.7	785.3	802.1	810.5	821.0	823.1	810.5	787.4
30°	833.6	831.5	829.4	810.5	804.2	818.9	827.3	842.0	854.6	827.3	808.4
32.5°	915.5	902.9	890.3	839.9	821.0	831.5	839.9	860.9	863.0	848.3	821.0
35°	1045.7	1037.3	995.3	907.1	854.6	844.1	852.5	867.2	871.4	860.9	839.9
37.5°	1194.8	1190.6	1131.8	1024.7	923.9	873.5	865.1	886.1	902.9	879.8	850.4
40°	1341.8	1325.0	1283.0	1178.0	1012.1	917.6	907.1	917.6	923.9	907.1	888.2
42.5°	1474.1	1455.2	1444.7	1339.7	1127.6	991.1	982.7	957.5	976.4	955.4	930.2
45°	1585.4	1581.2	1577.0	1486.7	1259.9	1110.8	1104.5	1039.4	1060.4	1043.6	1007.9
47.5°	1665.2	1684.1	1677.8	1627.4	1411.1	1238.9	1220.0	1136.0	1167.5	1150.7	1115.0
50°	1759.7	1770.2	1763.9	1730.3	1551.8	1385.9	1350.2	1264.1	1299.8	1297.7	1278.8
52.5°	1843.7	1875.2	1839.5	1837.4	1753.4	1545.5	1484.6	1402.7	1461.5	1484.6	1482.5
55°	1942.4	1967.5	1957.0	1952.8	1934.0	1700.9	1646.3	1547.6	1646.3	1679.9	1709.3
57.5°	2026.3	2024.2	2064.1	2112.4	2135.5	1879.4	1814.3	1698.8	1847.9	1885.7	1967.5
60°	2064.1	2099.8	2167.0	2288.8	2353.9	2070.4	2003.2	1910.9	2051.5	2080.9	2232.1
62.5°	2089.3	2120.8	2251.0	2456.8	2494.6	2265.7	2202.7	2110.3	2274.1	2295.1	2519.8
65°	2020.0	2049.4	2307.7	2519.8	2654.2	2475.7	2461.0	2364.4	2496.7	2509.3	2822.2
67.5°	1940.3	1971.7	2259.4	2599.6	2866.3	2755.0	2731.9	2616.4	2717.2	2702.5	3053.2
70°	1799.6	1841.6	2135.5	2668.9	3101.5	3145.6	3099.4	2935.6	2946.1	2807.5	3063.7
72.5°	1371.2	1398.5	1671.5	2393.8	3210.7	3687.3	3607.5	3279.9	3160.3	2828.5	2704.6
75°	650.9	701.3	932.3	1583.3	2813.8	3712.5	3765.0	3450.0	3046.9	2509.3	1917.2
77.5°	189.0	189.0	283.5	671.9	1763.9	2992.3	3091.0	2929.3	2513.5	1858.4	1007.9
80°	102.9	109.2	149.1	237.3	774.8	1887.8	2030.5	1942.4	1480.4	734.9	260.4
82.5°	58.8	60.9	98.7	142.8	352.8	1026.8	1110.8	1007.9	562.8	222.6	121.8
85°	33.6	35.7	56.7	94.5	210.0	378.0	411.6	357.0	226.8	149.1	60.9
87.5°	16.8	16.8	27.3	44.1	107.1	107.1	105.0	128.1	136.5	90.3	27.3
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°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	611.1	609.0	609.0	600.6	598.5	592.2	592.2	588.0	585.9	592.2	592.2
5°	613.2	602.7	600.6	592.2	594.3	590.1	598.5	594.3	592.2	592.2	590.1
7.5°	617.4	606.9	598.5	592.2	590.1	596.4	606.9	606.9	619.5	613.2	613.2
10°	627.9	621.6	611.1	606.9	606.9	613.2	625.8	634.2	644.7	644.7	638.4
12.5°	653.0	642.6	630.0	623.7	632.1	638.4	650.9	659.3	671.9	676.1	671.9
15°	671.9	661.4	657.2	653.0	659.3	667.7	678.2	686.6	701.3	705.5	703.4
17.5°	697.1	684.5	682.4	684.5	688.7	695.0	701.3	707.6	718.1	718.1	718.1
20°	709.7	705.5	703.4	709.7	718.1	726.5	722.3	718.1	716.0	720.2	718.1
22.5°	732.8	728.6	730.7	737.0	737.0	732.8	726.5	711.8	707.6	711.8	707.6
25°	753.8	749.6	749.6	745.4	743.3	728.6	716.0	703.4	688.7	695.0	692.9
27.5°	774.8	772.7	772.7	755.9	734.9	709.7	692.9	678.2	669.8	680.3	674.0
30°	800.0	802.1	791.6	751.7	701.3	674.0	655.1	653.0	650.9	657.2	655.1
32.5°	823.1	825.2	808.4	745.4	676.1	623.7	604.8	606.9	617.4	627.9	638.4
35°	835.7	846.2	825.2	724.4	625.8	567.0	546.0	564.9	583.8	598.5	609.0
37.5°	858.8	886.1	850.4	701.3	581.7	516.6	501.9	508.2	531.3	554.4	564.9
40°	892.4	923.9	856.7	657.2	522.9	466.2	457.8	459.9	468.3	483.0	493.5
42.5°	951.2	984.8	863.0	600.6	464.1	434.7	411.6	405.3	399.0	399.0	396.9
45°	1037.3	1068.8	854.6	529.2	405.3	384.3	367.5	352.8	336.0	308.7	312.9
47.5°	1163.3	1188.5	860.9	466.2	350.7	333.9	321.3	304.5	279.3	249.9	247.8
50°	1354.4	1316.6	852.5	401.1	310.8	296.1	285.6	262.5	233.1	212.1	210.0
52.5°	1577.0	1501.4	844.1	346.5	277.2	264.6	256.2	231.0	203.7	193.2	191.1
55°	1845.8	1736.6	856.7	298.2	252.0	241.5	233.1	210.0	189.0	180.6	178.5
57.5°	2162.8	1990.6	926.0	260.4	224.7	220.5	218.4	199.5	180.6	174.3	172.2
60°	2461.0	2234.2	972.2	233.1	199.5	203.7	207.9	199.5	178.5	174.3	174.3
62.5°	2710.9	2435.8	898.7	210.0	186.9	199.5	218.4	212.1	203.7	207.9	203.7
65°	2931.4	2505.1	671.9	197.4	180.6	210.0	241.5	239.4	220.5	224.7	222.6
67.5°	2969.2	2421.1	438.9	186.9	176.4	231.0	270.9	245.7	207.9	207.9	201.6
70°	2811.7	2196.4	294.0	176.4	174.3	231.0	277.2	231.0	195.3	195.3	186.9
72.5°	2307.7	1755.5	226.8	165.9	159.6	205.8	262.5	218.4	182.7	178.5	163.8
75°	1516.1	1131.8	184.8	157.5	138.6	180.6	237.3	201.6	174.3	161.7	155.4
77.5°	743.3	508.2	155.4	138.6	119.7	157.5	216.3	191.1	163.8	151.2	147.0
80°	203.7	182.7	130.2	121.8	100.8	136.5	203.7	182.7	153.3	140.7	134.4
82.5°	115.5	113.4	105.0	98.7	84.0	136.5	205.8	182.7	144.9	142.8	121.8
85°	63.0	67.2	75.6	73.5	65.1	121.8	195.3	159.6	117.6	98.7	98.7
87.5°	25.2	31.5	37.8	42.0	44.1	90.3	147.0	121.8	90.3	75.6	75.6
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)