

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: P674969

Luminaire Tested: **CCW-SA-1C-735-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674969
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

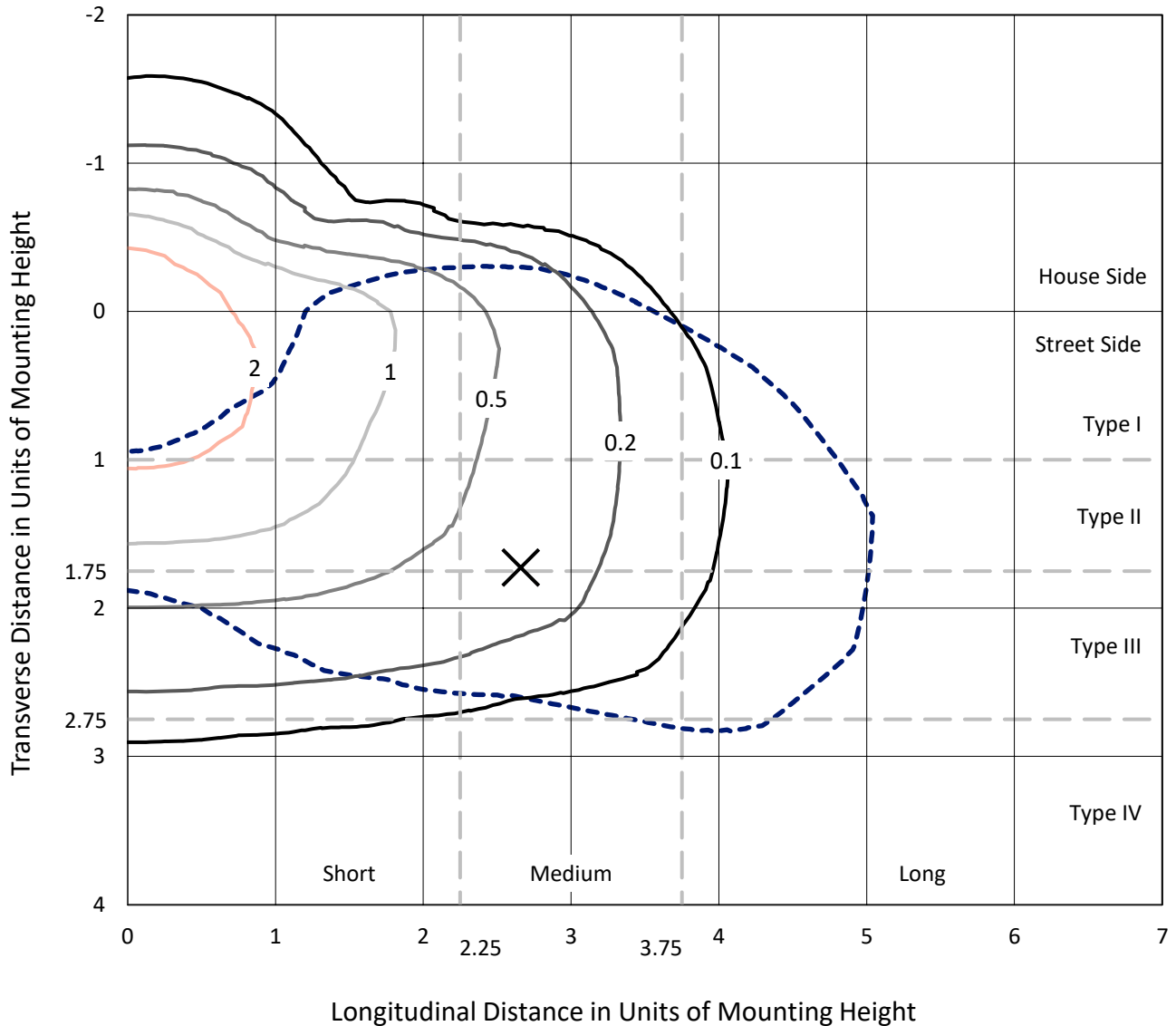
Lumens per Lamp: N/A
Luminaire Lumens: 4505.6 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

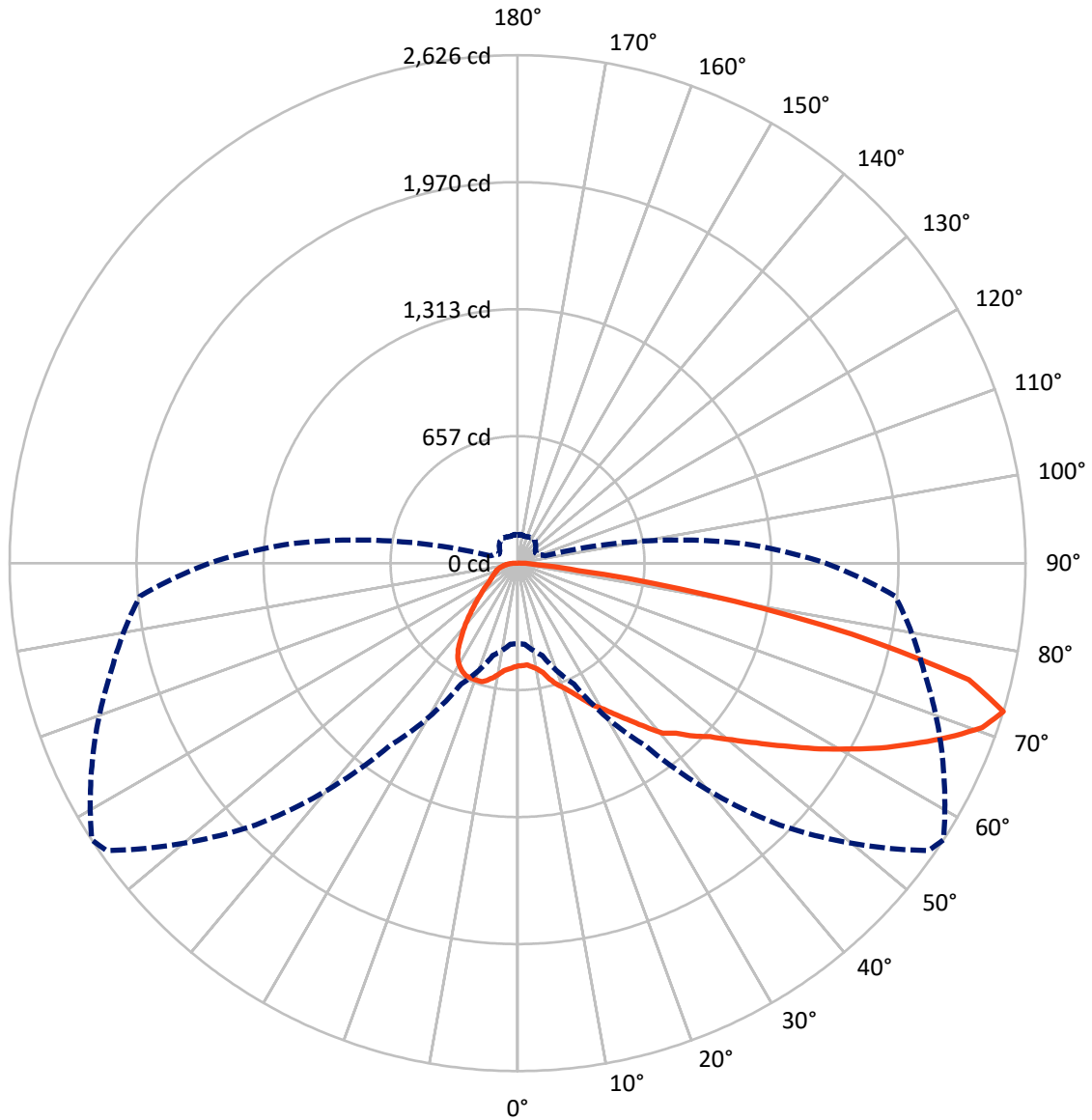
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.2	0.0	1052.2
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3453.4	0.0	3453.4
	% Fixture	76.6	0.0	76.6
Total	Lumens	4505.6	0.0	4505.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.2
10°-20°	177.9	3.9
20°-30°	325.2	7.2
30°-40°	477.1	10.6
40°-50°	657.0	14.6
50°-60°	900.9	20.0
60°-70°	1086.0	24.1
70°-80°	723.4	16.1
80°-90°	105.4	2.3
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°	4505.6	100.0
0°-180°	4505.6	100.0



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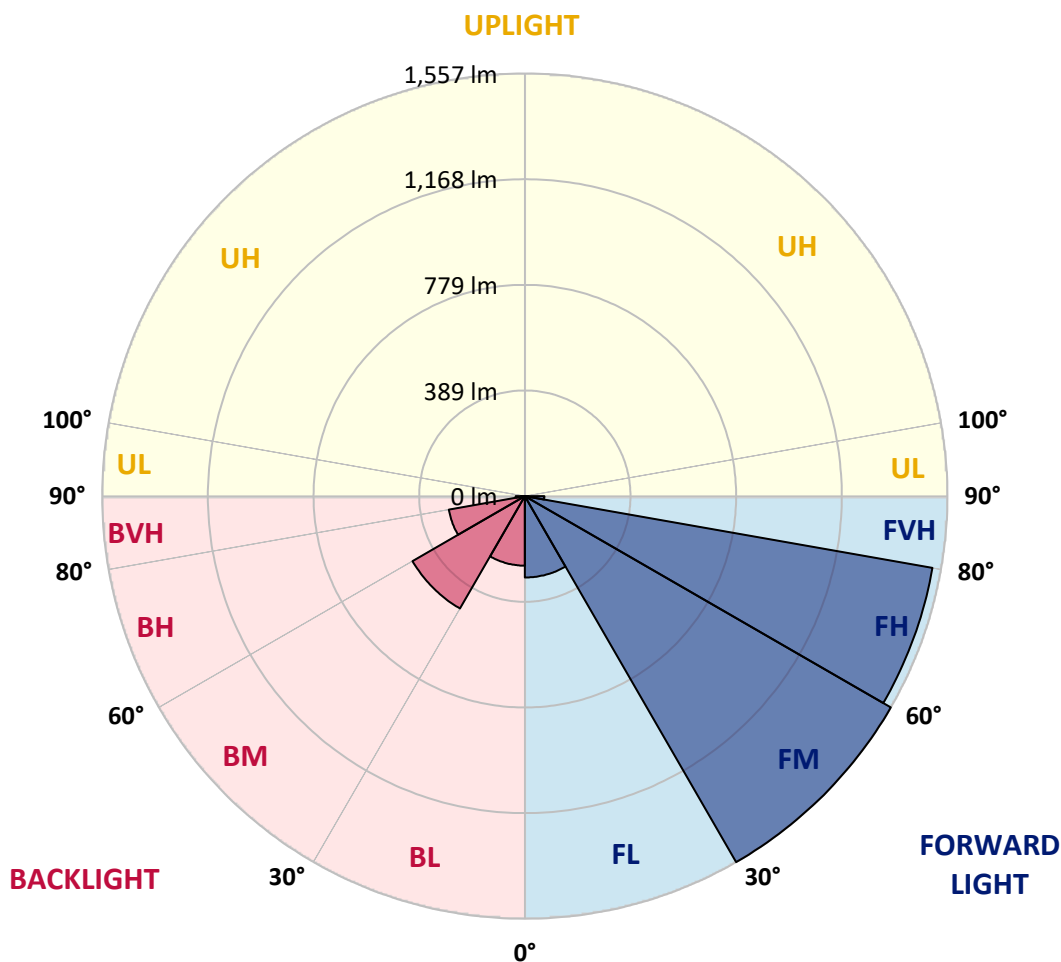
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.7	6.7			
FM (30°-60°)	1557.0	34.6			
FH (60°-80°)	1524.9	33.8			G1/1800
FVH (80°-90°)	71.8	1.6			G1/100
BL (0°-30°)	256.2	5.7	B1/500		
BM (30°-60°)	477.9	10.6	B1/1000		
BH (60°-80°)	284.5	6.3	B1/500		G1/500
BVH (80°-90°)	33.6	0.7			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8
2.5°	522.0	523.6	526.9	525.2	525.2	520.3	528.5	530.2	526.9	528.5	531.8
5°	522.0	525.2	530.2	526.9	528.5	526.9	523.6	528.5	528.5	530.2	535.1
7.5°	549.9	548.2	548.2	543.3	541.7	540.0	541.7	541.7	538.4	540.0	540.0
10°	581.0	581.0	577.8	577.8	574.5	566.3	558.1	556.4	551.5	553.1	553.1
12.5°	613.9	617.2	620.4	610.6	607.3	594.2	589.3	579.4	579.4	576.1	574.5
15°	654.9	650.0	653.3	650.0	641.8	628.6	620.4	622.1	610.6	607.3	602.4
17.5°	691.0	692.7	687.7	684.5	669.7	659.8	661.5	659.8	645.1	640.1	631.9
20°	733.7	732.1	732.1	722.2	709.1	695.9	691.0	689.4	692.7	682.8	663.1
22.5°	778.0	771.4	771.4	763.2	745.2	737.0	733.7	727.1	730.4	722.2	692.7
25°	814.1	814.1	825.6	809.2	799.4	782.9	776.4	778.0	779.7	763.2	728.8
27.5°	861.7	853.5	865.0	856.8	851.9	833.8	825.6	830.5	827.3	809.2	761.6
30°	922.5	924.1	917.5	906.0	899.5	886.3	881.4	876.5	881.4	858.4	797.7
32.5°	998.0	1002.9	986.5	973.3	961.9	948.7	938.9	933.9	938.9	904.4	825.6
35°	1085.0	1089.9	1076.7	1062.0	1048.8	1016.0	1007.8	999.6	981.5	925.7	851.9
37.5°	1165.4	1158.8	1155.5	1155.5	1130.9	1083.3	1078.4	1073.5	1039.0	968.4	888.0
40°	1219.5	1227.8	1224.5	1221.2	1217.9	1173.6	1163.7	1155.5	1098.1	1032.4	938.9
42.5°	1280.3	1275.4	1288.5	1293.4	1281.9	1268.8	1229.4	1201.5	1150.6	1098.1	1014.4
45°	1352.5	1349.2	1354.1	1372.2	1355.8	1360.7	1295.1	1275.4	1211.3	1180.2	1109.6
47.5°	1416.5	1424.7	1449.3	1454.3	1441.1	1464.1	1372.2	1341.0	1300.0	1275.4	1208.1
50°	1444.4	1454.3	1510.1	1544.5	1546.2	1582.3	1449.3	1436.2	1380.4	1390.3	1331.2
52.5°	1421.4	1452.6	1519.9	1610.2	1666.0	1702.1	1551.1	1544.5	1493.7	1524.8	1465.8
55°	1442.8	1472.3	1516.6	1643.0	1784.2	1792.4	1692.3	1667.6	1616.8	1659.4	1605.3
57.5°	1452.6	1436.2	1519.9	1679.1	1871.2	1892.5	1826.9	1808.8	1769.4	1810.4	1779.3
60°	1375.5	1395.2	1474.0	1669.3	1876.1	1999.2	1977.9	1951.6	1915.5	1953.2	1935.2
62.5°	1288.5	1301.6	1387.0	1610.2	1904.0	2076.3	2123.9	2104.3	2053.4	2086.2	2117.4
65°	1178.5	1180.2	1275.4	1505.1	1849.8	2120.7	2252.0	2250.3	2214.2	2206.0	2255.3
67.5°	1043.9	1057.1	1132.6	1393.5	1776.0	2169.9	2378.4	2403.0	2330.8	2266.7	2284.8
70°	801.0	814.1	886.3	1142.4	1625.0	2155.1	2534.3	2547.4	2406.3	2243.8	2197.8
72.5°	416.9	420.2	494.1	689.4	1152.3	1913.9	2591.7	2626.2	2426.0	2176.5	1959.8
75°	137.9	137.9	169.1	262.6	543.3	1224.5	2347.2	2409.5	2329.1	2009.1	1603.6
77.5°	82.1	83.7	100.1	131.3	216.7	489.1	1654.5	1764.5	1905.6	1708.7	1171.9
80°	59.1	60.7	75.5	90.3	129.7	157.6	830.5	983.2	1170.3	1099.7	625.4
82.5°	44.3	44.3	59.1	67.3	88.6	93.6	231.4	316.8	505.5	393.9	172.3
85°	46.0	46.0	46.0	47.6	60.7	54.2	96.8	103.4	147.7	129.7	47.6
87.5°	16.4	18.1	46.0	31.2	31.2	23.0	37.8	41.0	52.5	54.2	18.1
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°	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8
2.5°	533.4	533.4	535.1	535.1	538.4	541.7	546.6	543.3	543.3	544.9	543.3
5°	531.8	533.4	538.4	546.6	549.9	551.5	561.4	561.4	561.4	564.6	564.6
7.5°	538.4	541.7	549.9	558.1	559.7	564.6	577.8	581.0	589.3	592.5	594.2
10°	554.8	559.7	566.3	576.1	582.7	589.3	599.1	610.6	609.0	618.8	620.4
12.5°	579.4	577.8	589.3	599.1	605.7	615.5	618.8	618.8	618.8	618.8	622.1
15°	599.1	602.4	612.2	618.8	627.0	625.4	618.8	612.2	613.9	612.2	612.2
17.5°	628.6	628.6	636.9	638.5	641.8	625.4	615.5	615.5	620.4	620.4	617.2
20°	658.2	656.6	659.8	658.2	636.9	617.2	615.5	617.2	618.8	617.2	615.5
22.5°	686.1	682.8	677.9	671.3	633.6	615.5	612.2	604.0	595.8	595.8	590.9
25°	710.7	707.4	694.3	674.6	631.9	605.7	589.3	569.6	559.7	554.8	561.4
27.5°	733.7	727.1	709.1	674.6	617.2	579.4	548.2	523.6	515.4	508.8	515.4
30°	764.9	753.4	728.8	669.7	594.2	538.4	495.7	466.2	457.9	448.1	451.4
32.5°	792.8	766.5	745.2	654.9	564.6	492.4	443.2	413.6	398.9	390.6	397.2
35°	822.3	796.1	751.8	631.9	518.7	436.6	387.4	359.5	348.0	336.5	336.5
37.5°	851.9	837.1	761.6	589.3	462.9	384.1	339.8	318.4	298.7	277.4	277.4
40°	914.3	894.6	773.1	540.0	407.1	333.2	302.0	274.1	254.4	224.9	223.2
42.5°	979.9	937.2	773.1	480.9	357.8	297.1	267.5	238.0	201.9	183.8	185.5
45°	1063.6	1014.4	751.8	428.4	308.6	267.5	234.7	197.0	180.6	169.1	169.1
47.5°	1168.7	1091.5	725.5	371.0	269.2	241.3	200.2	177.3	165.8	155.9	154.3
50°	1293.4	1162.1	692.7	321.7	236.4	216.7	182.2	164.1	154.3	147.7	147.7
52.5°	1424.7	1265.5	669.7	277.4	210.1	183.8	169.1	157.6	149.4	144.4	142.8
55°	1557.7	1368.9	653.3	229.8	185.5	169.1	165.8	155.9	152.6	147.7	144.4
57.5°	1707.0	1454.3	650.0	197.0	165.8	162.5	169.1	160.9	155.9	151.0	146.1
60°	1867.9	1569.2	620.4	170.7	155.9	159.2	164.1	155.9	152.6	147.7	144.4
62.5°	2027.1	1654.5	540.0	151.0	146.1	149.4	155.9	149.4	144.4	146.1	147.7
65°	2092.8	1661.1	418.6	136.2	134.6	136.2	146.1	144.4	139.5	149.4	149.4
67.5°	2027.1	1602.0	295.4	123.1	123.1	131.3	147.7	151.0	146.1	159.2	157.6
70°	1877.7	1455.9	200.2	114.9	118.2	139.5	152.6	149.4	142.8	159.2	155.9
72.5°	1593.8	1165.4	146.1	106.7	111.6	133.0	151.0	147.7	142.8	149.4	142.8
75°	1196.6	828.9	114.9	96.8	98.5	119.8	155.9	147.7	134.6	131.3	126.4
77.5°	799.4	512.1	88.6	85.4	85.4	105.0	149.4	137.9	121.5	116.5	114.9
80°	380.8	205.2	70.6	72.2	73.9	90.3	136.2	123.1	110.0	103.4	103.4
82.5°	121.5	77.1	59.1	59.1	59.1	73.9	113.3	103.4	95.2	90.3	82.1
85°	42.7	42.7	50.9	52.5	47.6	54.2	93.6	88.6	78.8	65.7	64.0
87.5°	16.4	24.6	34.5	41.0	29.5	37.8	67.3	62.4	57.4	42.7	41.0
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)