

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: P675389

Luminaire Tested: **CCW-SA-1B-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675389
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-730-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

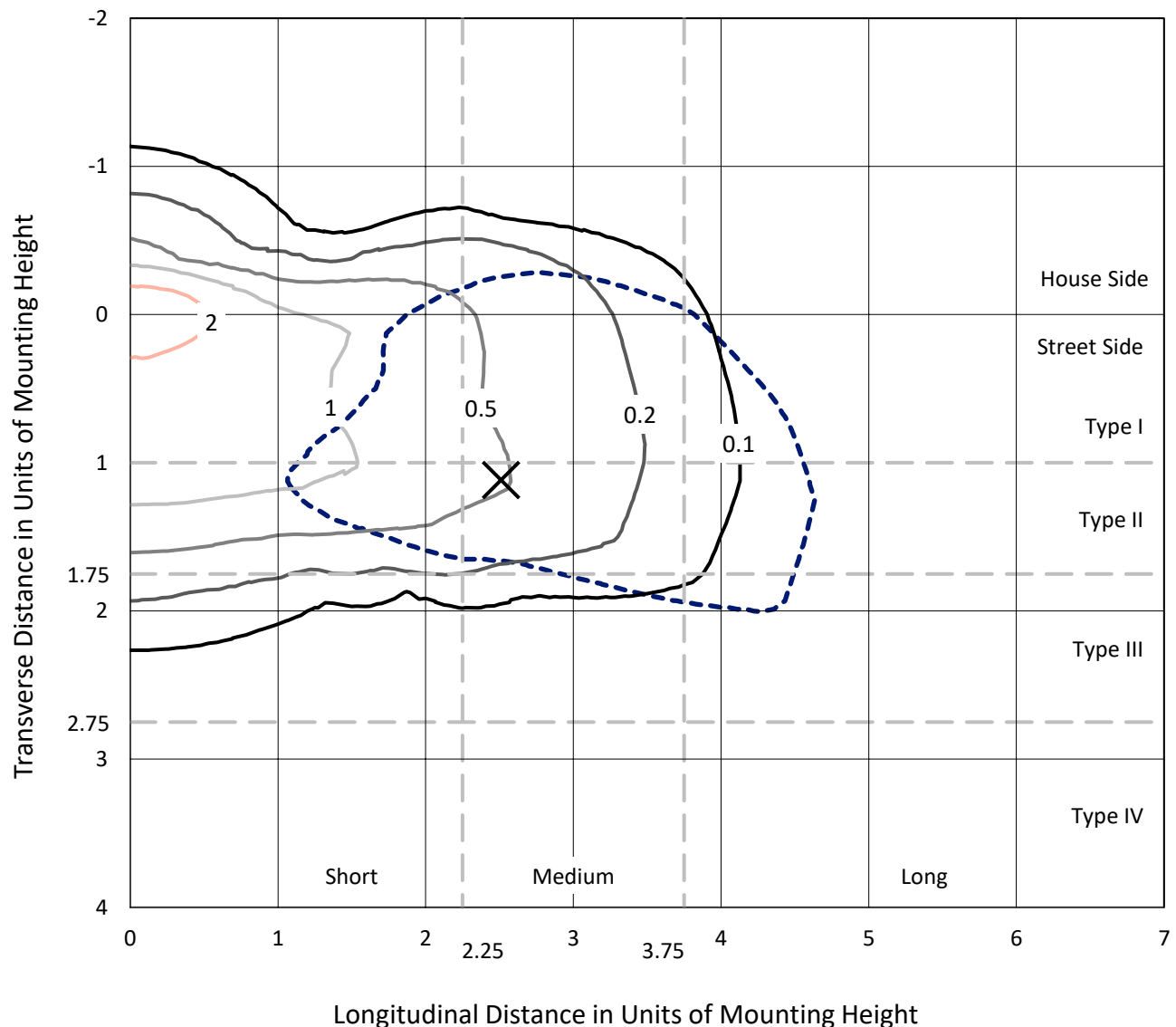
Lumens per Lamp: N/A
Luminaire Lumens: 3112.4 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

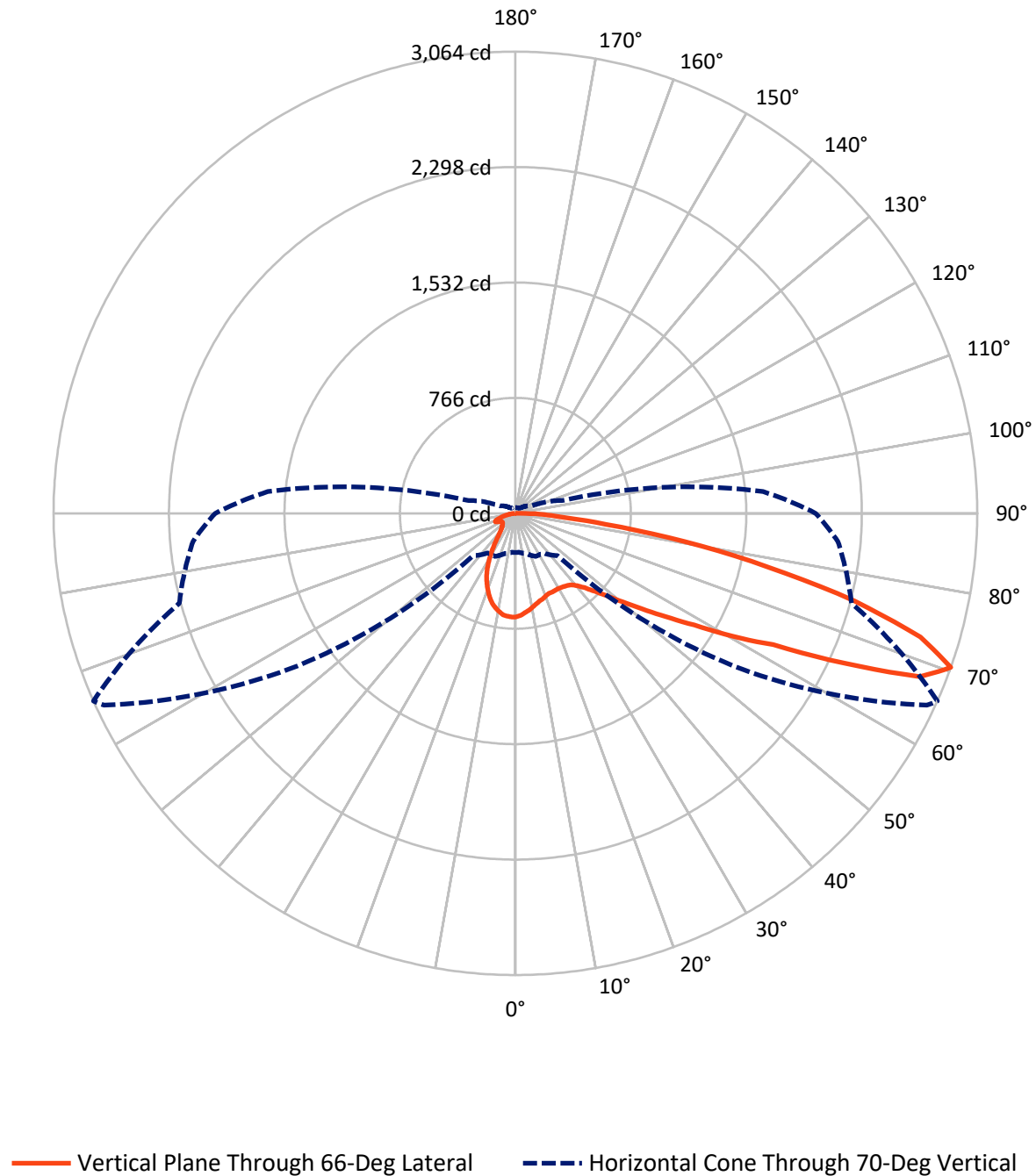
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.1	0.0	637.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2475.3	0.0	2475.3
	% Fixture	79.5	0.0	79.5
Total	Lumens	3112.4	0.0	3112.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	2.0
10°-20°	149.7	4.8
20°-30°	205.6	6.6
30°-40°	275.6	8.9
40°-50°	399.9	12.8
50°-60°	607.8	19.5
60°-70°	750.7	24.1
70°-80°	558.2	17.9
80°-90°	104.1	3.3
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°	3112.4	100.0
0°-180°	3112.4	100.0

Coefficient of Utilization



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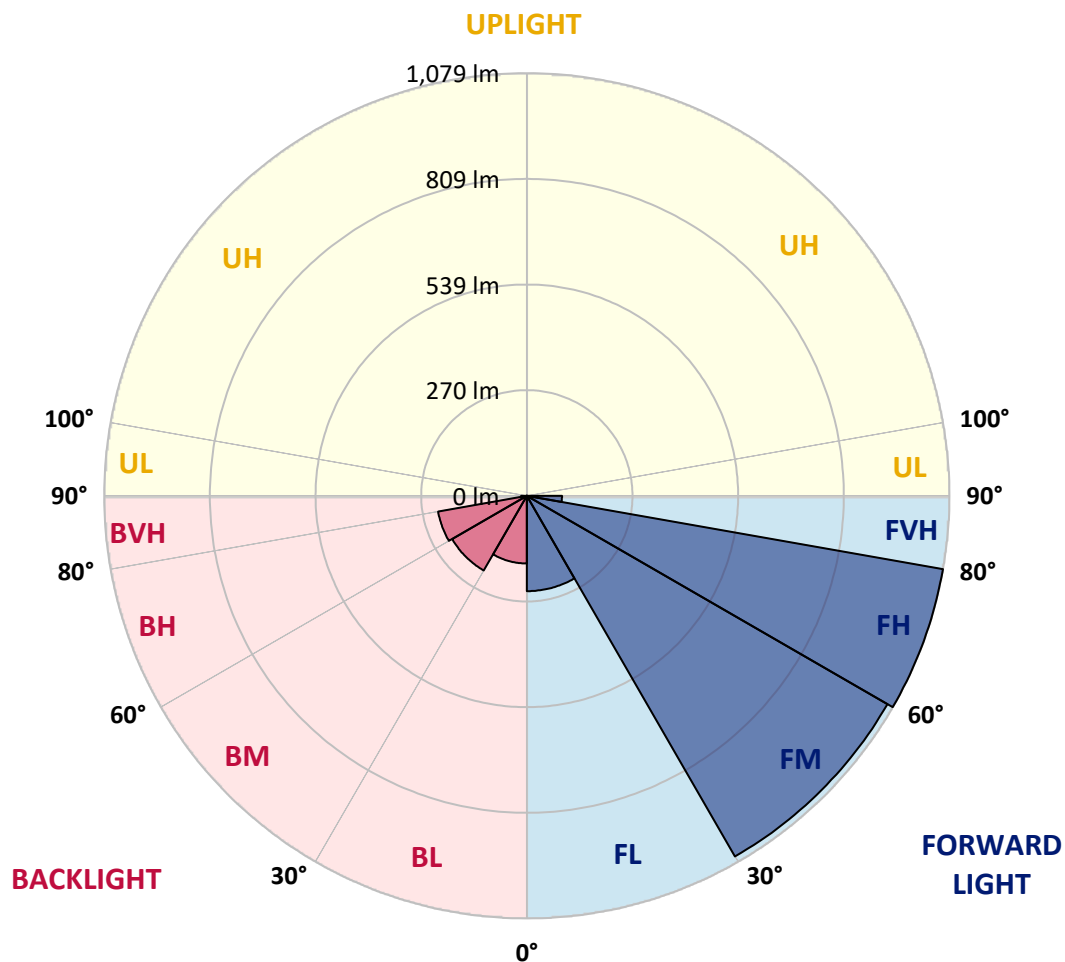
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	243.4	7.8			
FM	(30°-60°)	1063.2	34.2			
FH	(60°-80°)	1079.0	34.7			G1/1800
FVH	(80°-90°)	89.8	2.9			G1/100
BL	(0°-30°)	172.7	5.5	B1/500		
BM	(30°-60°)	220.1	7.1	B1/1000		
BH	(60°-80°)	230.0	7.4	B1/500		G1/500
BVH	(80°-90°)	14.4	0.5			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°	65°	66°	75°	85°
0°	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6
2.5°	654.1	657.5	658.7	661.0	666.8	671.4	678.4	681.8	678.4	683.0	683.0
5°	608.9	604.3	615.9	620.5	627.4	636.7	652.9	665.6	662.2	676.1	687.6
7.5°	570.7	570.7	574.2	584.6	592.7	606.6	624.0	643.6	649.4	668.0	685.3
10°	536.0	540.6	540.6	556.8	561.4	577.7	606.6	630.9	632.1	663.3	687.6
12.5°	517.5	515.1	526.7	531.4	545.2	561.4	584.6	614.7	615.9	649.4	683.0
15°	502.4	504.7	510.5	522.1	534.8	547.6	569.6	597.3	603.1	642.5	680.7
17.5°	503.6	504.7	504.7	512.8	523.2	538.3	559.1	591.5	595.0	633.2	677.2
20°	510.5	505.9	509.4	512.8	519.8	533.7	551.0	578.8	582.3	632.1	685.3
22.5°	525.6	522.1	520.9	519.8	518.6	526.7	548.7	571.9	575.3	626.3	688.8
25°	549.9	548.7	540.6	532.5	526.7	526.7	544.1	577.7	576.5	626.3	691.1
27.5°	578.8	578.8	577.7	562.6	545.2	536.0	547.6	575.3	574.2	626.3	696.9
30°	618.2	618.2	614.7	600.8	569.6	542.9	549.9	573.0	576.5	621.6	692.3
32.5°	661.0	659.8	663.3	650.6	618.2	575.3	563.8	577.7	581.1	626.3	693.4
35°	692.3	699.2	710.8	699.2	666.8	608.9	583.4	586.9	589.2	627.4	698.0
37.5°	728.1	736.3	752.5	761.7	727.0	659.8	614.7	602.0	602.0	642.5	699.2
40°	780.2	772.1	799.9	816.1	802.2	722.4	663.3	629.7	630.9	662.2	714.3
42.5°	818.4	826.5	855.5	884.4	867.1	798.8	716.6	674.9	674.9	691.1	737.4
45°	861.3	870.5	911.1	945.8	958.5	890.2	789.5	739.7	737.4	747.8	779.1
47.5°	908.7	921.5	967.8	1008.3	1041.9	985.1	883.3	818.4	817.3	825.4	848.5
50°	963.1	967.8	1006.0	1080.1	1147.2	1111.3	997.9	929.6	923.8	927.3	958.5
52.5°	979.4	975.9	1019.9	1099.7	1222.5	1265.3	1154.2	1055.8	1053.4	1045.3	1085.9
55°	920.3	931.9	974.7	1076.6	1283.8	1447.0	1325.5	1228.2	1207.4	1185.4	1234.0
57.5°	802.2	803.4	852.0	972.4	1236.3	1597.5	1616.0	1397.3	1398.4	1339.4	1394.9
60°	624.0	620.5	658.7	767.5	1100.9	1643.8	1933.2	1667.0	1655.4	1493.3	1544.3
62.5°	450.3	443.4	451.5	515.1	823.1	1573.2	2244.6	1969.1	1920.5	1650.8	1690.1
65°	370.4	373.9	377.4	380.9	461.9	1297.7	2340.7	2462.3	2397.4	1834.8	1851.0
67.5°	306.8	309.1	324.1	345.0	342.7	766.3	2229.6	2918.4	2894.1	2062.9	1990.0
70°	260.5	259.3	276.7	314.9	320.7	398.2	1765.4	3012.1	3064.2	2308.3	2147.4
72.5°	208.4	210.7	225.7	276.7	314.9	335.7	1016.4	2810.7	2809.6	2497.0	2062.9
75°	149.3	149.3	170.2	229.2	304.5	332.2	562.6	2281.7	2324.5	2346.5	1789.7
77.5°	98.4	103.0	119.2	171.3	285.9	325.3	356.5	1658.9	1712.1	1755.0	1369.5
80°	67.1	69.5	79.9	119.2	241.9	327.6	291.7	1116.0	1136.8	968.9	555.7
82.5°	40.5	41.7	53.3	83.3	173.6	311.4	274.4	615.9	603.1	292.9	159.8
85°	22.0	23.2	33.6	55.6	114.6	272.0	269.7	302.1	281.3	107.7	67.1
87.5°	8.1	8.1	15.0	27.8	66.0	186.4	235.0	179.4	167.9	54.4	31.3
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°	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6
2.5°	688.8	688.8	688.8	688.8	687.6	683.0	686.5	685.3	678.4	679.5	674.9
5°	686.5	692.3	688.8	684.2	678.4	664.5	659.8	656.4	647.1	643.6	647.1
7.5°	692.3	687.6	685.3	677.2	654.1	641.3	625.1	605.4	591.5	588.1	591.5
10°	691.1	691.1	680.7	657.5	635.5	598.5	577.7	542.9	523.2	517.5	518.6
12.5°	686.5	689.9	673.7	636.7	595.0	549.9	511.7	474.6	439.9	426.0	423.7
15°	691.1	687.6	658.7	611.2	553.3	490.8	435.3	380.9	348.4	327.6	323.0
17.5°	684.2	680.7	639.0	576.5	498.9	419.1	349.6	290.6	258.2	250.0	250.0
20°	692.3	670.3	615.9	534.8	442.2	340.3	261.6	217.6	209.5	209.5	211.8
22.5°	691.1	668.0	596.2	494.3	373.9	257.0	194.5	181.7	182.9	192.2	191.0
25°	684.2	663.3	568.4	449.2	302.1	193.3	160.9	157.4	165.5	176.0	174.8
27.5°	683.0	650.6	542.9	395.9	230.4	152.8	140.1	140.1	148.2	157.4	156.3
30°	676.1	640.2	511.7	335.7	173.6	133.1	128.5	128.5	132.0	136.6	136.6
32.5°	674.9	626.3	476.9	273.2	138.9	120.4	118.1	119.2	119.2	121.6	120.4
35°	665.6	607.8	441.1	211.8	120.4	113.4	111.1	110.0	110.0	108.8	108.8
37.5°	662.2	596.2	404.0	164.4	112.3	107.7	105.3	101.9	100.7	100.7	99.6
40°	665.6	584.6	368.1	133.1	105.3	103.0	99.6	94.9	93.8	93.8	93.8
42.5°	678.4	583.4	331.1	115.8	101.9	98.4	93.8	89.1	88.0	89.1	88.0
45°	707.3	592.7	295.2	107.7	97.2	93.8	88.0	84.5	83.3	84.5	84.5
47.5°	754.8	618.2	262.8	103.0	93.8	89.1	83.3	79.9	79.9	79.9	79.9
50°	833.5	666.8	231.5	99.6	91.5	85.7	79.9	75.2	74.1	74.1	75.2
52.5°	951.6	750.1	206.1	97.2	88.0	81.0	75.2	71.8	69.5	68.3	69.5
55°	1094.0	871.7	198.0	94.9	83.3	77.6	71.8	67.1	64.8	64.8	63.7
57.5°	1246.8	1006.0	211.8	92.6	79.9	72.9	67.1	62.5	60.2	59.0	59.0
60°	1412.3	1164.6	262.8	91.5	76.4	68.3	62.5	59.0	55.6	54.4	54.4
62.5°	1562.8	1308.1	354.2	90.3	74.1	63.7	57.9	53.3	50.9	49.8	49.8
65°	1734.1	1467.9	443.4	94.9	72.9	60.2	53.3	48.6	46.3	45.1	45.1
67.5°	1883.5	1606.8	495.5	106.5	76.4	55.6	47.5	44.0	42.8	41.7	41.7
70°	1992.3	1649.6	332.2	116.9	82.2	52.1	42.8	40.5	38.2	38.2	38.2
72.5°	1846.4	1472.5	196.8	110.0	77.6	48.6	38.2	35.9	34.7	34.7	33.6
75°	1579.0	1253.7	151.6	89.1	62.5	41.7	33.6	31.3	30.1	30.1	28.9
77.5°	1165.7	898.3	112.3	70.6	48.6	33.6	28.9	27.8	26.6	25.5	25.5
80°	456.1	393.6	76.4	52.1	35.9	26.6	24.3	23.2	22.0	20.8	20.8
82.5°	141.2	119.2	44.0	34.7	25.5	20.8	19.7	18.5	17.4	16.2	16.2
85°	61.4	59.0	28.9	22.0	17.4	13.9	13.9	12.7	11.6	10.4	10.4
87.5°	30.1	28.9	16.2	10.4	9.3	6.9	6.9	5.8	4.6	4.6	4.6
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)