Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P479717

Luminaire Tested: **IFLD-S-SA3B-740-U-5WQ**

Issue Date: 02/26/2021

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P479717
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	02/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	IFLD-S-SA3B-740-U-5WQ
Description:	Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source:	(48) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17461.5 lumens
Efficiency:	N/A
Efficacy:	142.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	122.4
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:	24 FT

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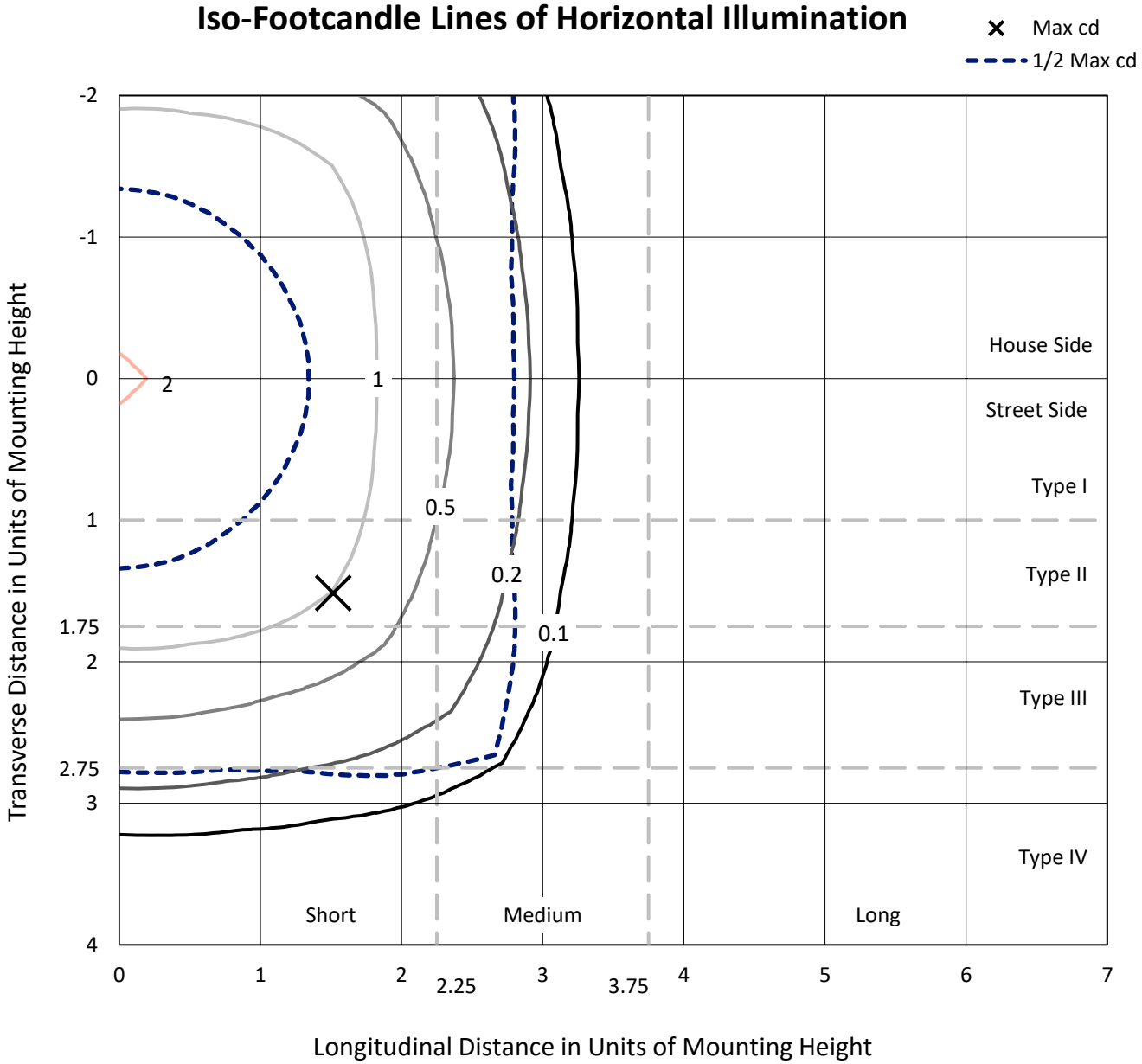
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

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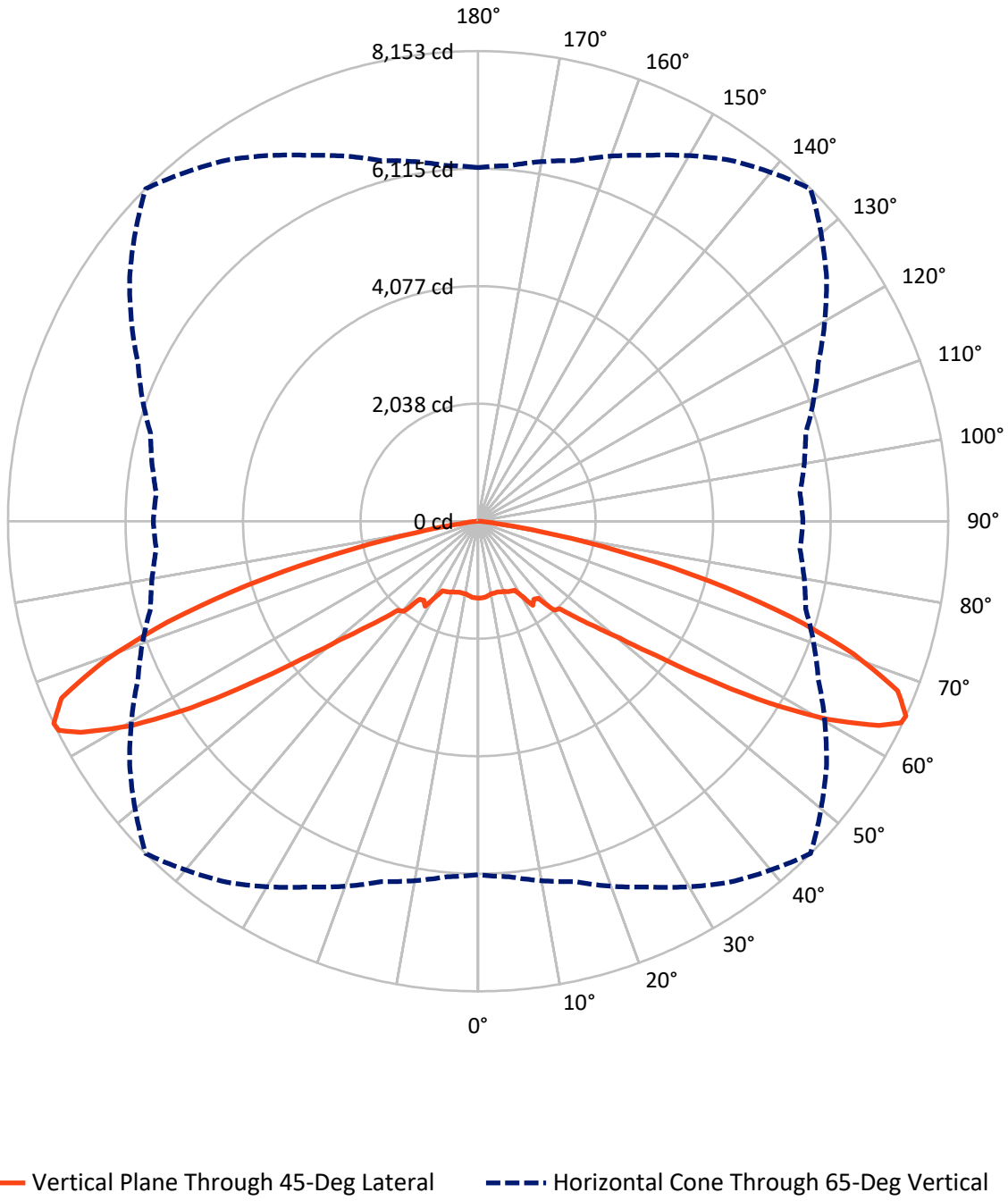
Luminous Intensity Polar Plot



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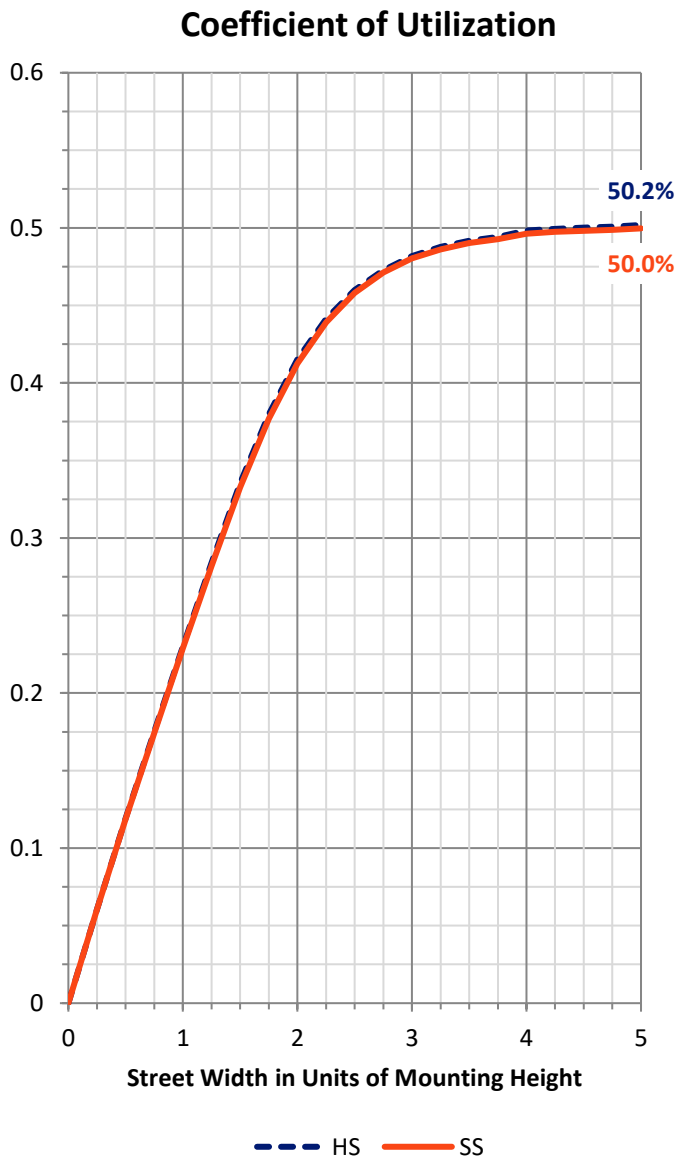
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8730.8	0.0	8730.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8730.8	0.0	8730.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17461.5	0.0	17461.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	0.7
10°-20°	368.0	2.1
20°-30°	637.0	3.6
30°-40°	1059.2	6.1
40°-50°	1911.0	10.9
50°-60°	4257.1	24.4
60°-70°	6344.4	36.3
70°-80°	2629.2	15.1
80°-90°	130.2	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°	17461.5	100.0
0°-180°	17461.5	100.0



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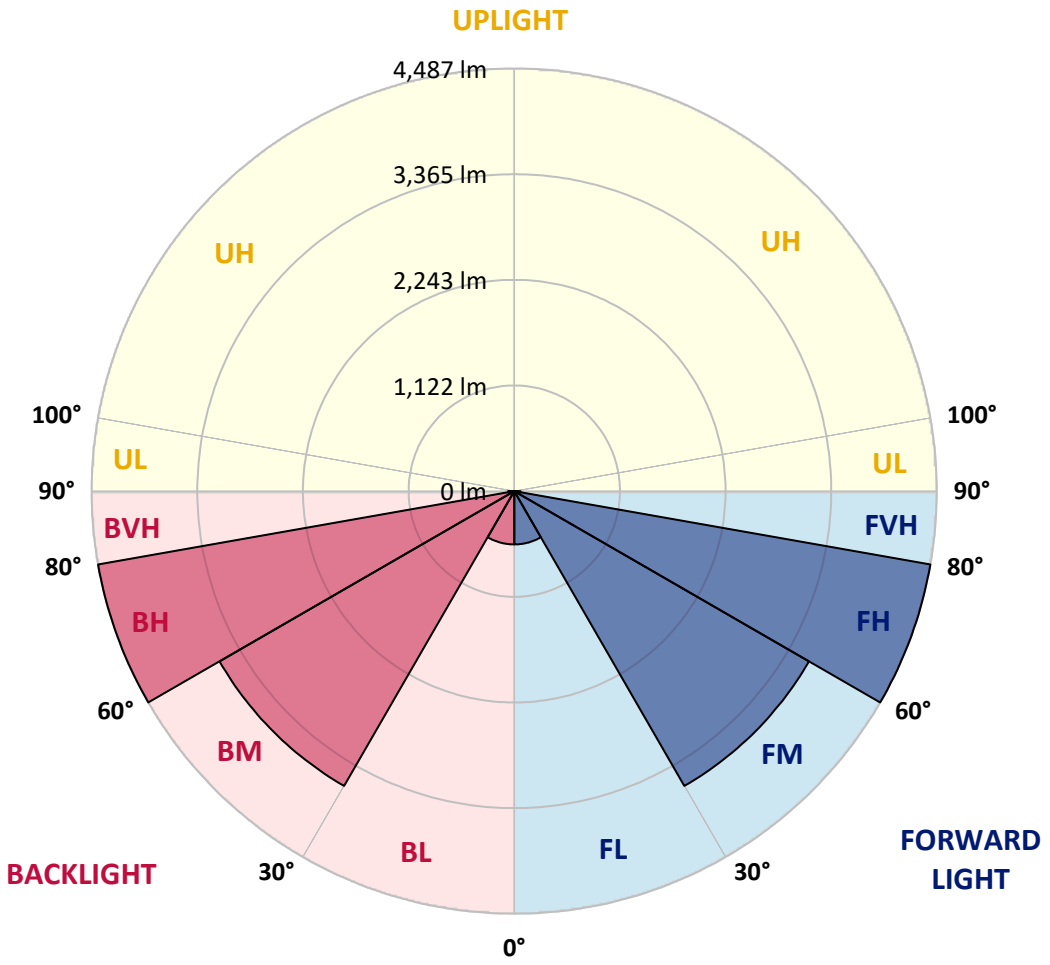
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	565.2	3.2			
FM	(30°-60°)	3613.7	20.7			
FH	(60°-80°)	4486.8	25.7			G2/5000
FVH	(80°-90°)	65.1	0.4			G1/100
BL	(0°-30°)	565.2	3.2	B2/1000		
BM	(30°-60°)	3613.7	20.7	B3/5000		
BH	(60°-80°)	4486.8	25.7	B4/5000		G2/5000
BVH	(80°-90°)	65.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1335.0	1335.0	1335.0	1335.0	1335.0	*1335.0*	1335.0	1335.0	1335.0	1335.0	1335.0
2.5°	1319.6	1323.5	1321.5	1321.5	1327.3	*1331.2*	1333.1	1352.4	1344.7	1350.5	1344.7
5°	1323.5	1323.5	1327.3	1323.5	1327.3	*1323.5*	1327.3	1321.5	1327.3	1331.2	1337.0
7.5°	1315.7	1311.9	1306.1	1306.1	1304.2	*1300.3*	1294.5	1310.0	1302.2	1308.0	1317.7
10°	1317.7	1311.9	1292.6	1296.5	1279.1	*1279.1*	1283.0	1283.0	1300.3	1319.6	1325.4
12.5°	1317.7	1306.1	1300.3	1275.2	1275.2	*1277.2*	1286.8	1290.7	1302.2	1310.0	1329.3
15°	1317.7	1311.9	1302.2	1269.4	1277.2	*1273.3*	1283.0	1283.0	1308.0	1321.5	1331.2
17.5°	1325.4	1329.3	1311.9	1281.0	1283.0	*1290.7*	1284.9	1290.7	1321.5	1331.2	1344.7
20°	1327.3	1311.9	1306.1	1286.8	1304.2	*1300.3*	1298.4	1310.0	1319.6	1337.0	1352.4
22.5°	1323.5	1329.3	1306.1	1304.2	1319.6	*1327.3*	1331.2	1317.7	1329.3	1340.8	1354.3
25°	1356.3	1335.0	1329.3	1325.4	1333.1	*1340.8*	1337.0	1348.5	1348.5	1362.0	1379.4
27.5°	1445.0	1446.9	1435.4	1389.1	1373.6	*1356.3*	1364.0	1394.8	1431.5	1460.4	1466.2
30°	1485.5	1493.2	1524.1	1516.4	1510.6	*1516.4*	1514.5	1522.2	1526.0	1528.0	1522.2
32.5°	1522.2	1518.3	1504.8	1539.5	1653.4	*1740.2*	1657.2	1543.4	1518.3	1510.6	1518.3
35°	1655.3	1655.3	1626.4	1582.0	1641.8	*1663.0*	1624.4	1570.4	1601.3	1664.9	1668.8
37.5°	1827.0	1801.9	1813.5	1807.7	1742.1	*1695.8*	1763.3	1798.1	1803.8	1801.9	1821.2
40°	1929.2	1911.9	1894.5	1925.4	1985.2	*2027.6*	1967.8	1884.9	1906.1	1948.5	1931.2
42.5°	2162.7	2118.3	2122.2	2091.3	2089.4	*2075.9*	2062.4	2068.2	2099.0	2147.3	2155.0
45°	2401.9	2423.1	2409.6	2351.8	2378.8	*2378.8*	2340.2	2369.1	2384.6	2440.5	2448.2
47.5°	2776.2	2766.5	2772.3	2720.2	2718.3	*2731.8*	2718.3	2720.2	2768.5	2764.6	2743.4
50°	3214.1	3241.1	3248.9	3223.8	3192.9	*3187.1*	3165.9	3192.9	3221.8	3223.8	3206.4
52.5°	3819.9	3848.9	3848.9	3856.6	3895.2	*3875.9*	3872.0	3873.9	3818.0	3779.4	3798.7
55°	4583.9	4593.5	4626.3	4693.9	4811.5	*4827.0*	4753.7	4720.9	4618.6	4556.9	4605.1
57.5°	5338.2	5376.8	5467.5	5643.1	5787.7	*5945.9*	5733.7	5517.7	5317.0	5218.6	5236.0
60°	5965.2	6021.2	6194.8	6439.8	6841.1	*6985.8*	6627.0	6256.6	5849.5	5548.5	5670.1
62.5°	6260.4	6347.2	6493.9	6989.7	7591.6	*7800.0*	7273.3	6600.0	5982.6	5693.2	5687.4
64°	6262.3	6275.8	6569.1	7103.5	7722.8	*8126.0*	7429.5	6600.0	6015.4	5658.5	5724.1
65°	*6133.1*	*6189.0*	*6472.6*	*6999.3*	*7639.8*	*8153.0*	*7375.5*	*6509.3*	*5880.4*	*5602.5*	*5633.4*
67.5°	5546.6	5544.7	5807.0	6329.9	7219.3	*7846.3*	6916.4	6001.9	5546.6	5245.6	5282.3
70°	4207.7	4275.2	4526.0	5168.5	6246.9	*6918.3*	6048.2	5100.9	4533.7	4292.6	4279.1
72.5°	2517.7	2606.4	2926.7	3709.9	4852.1	*5668.1*	4800.0	3773.6	3090.7	2708.7	2718.3
75°	1147.9	1213.5	1433.4	2072.0	3233.4	*4144.0*	3252.7	2182.0	1564.6	1321.5	1286.8
77.5°	322.2	362.7	484.2	951.1	1774.9	*2484.9*	1825.1	1051.4	683.0	567.2	555.6
80°	144.7	152.4	171.7	231.5	563.3	*1095.8*	754.3	385.8	256.6	212.2	202.6
82.5°	79.1	84.9	111.9	119.6	160.1	*291.3*	248.9	181.3	154.3	123.5	119.6
85°	44.4	46.3	63.7	63.7	77.2	*84.9*	90.7	96.5	94.5	69.5	67.5
87.5°	13.5	15.4	19.3	19.3	19.3	*19.3*	30.9	42.4	46.3	32.8	32.8
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)