

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: P637542

Luminaire Tested: **IFLD-L-SA7C-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637542
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30673.3 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 369
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



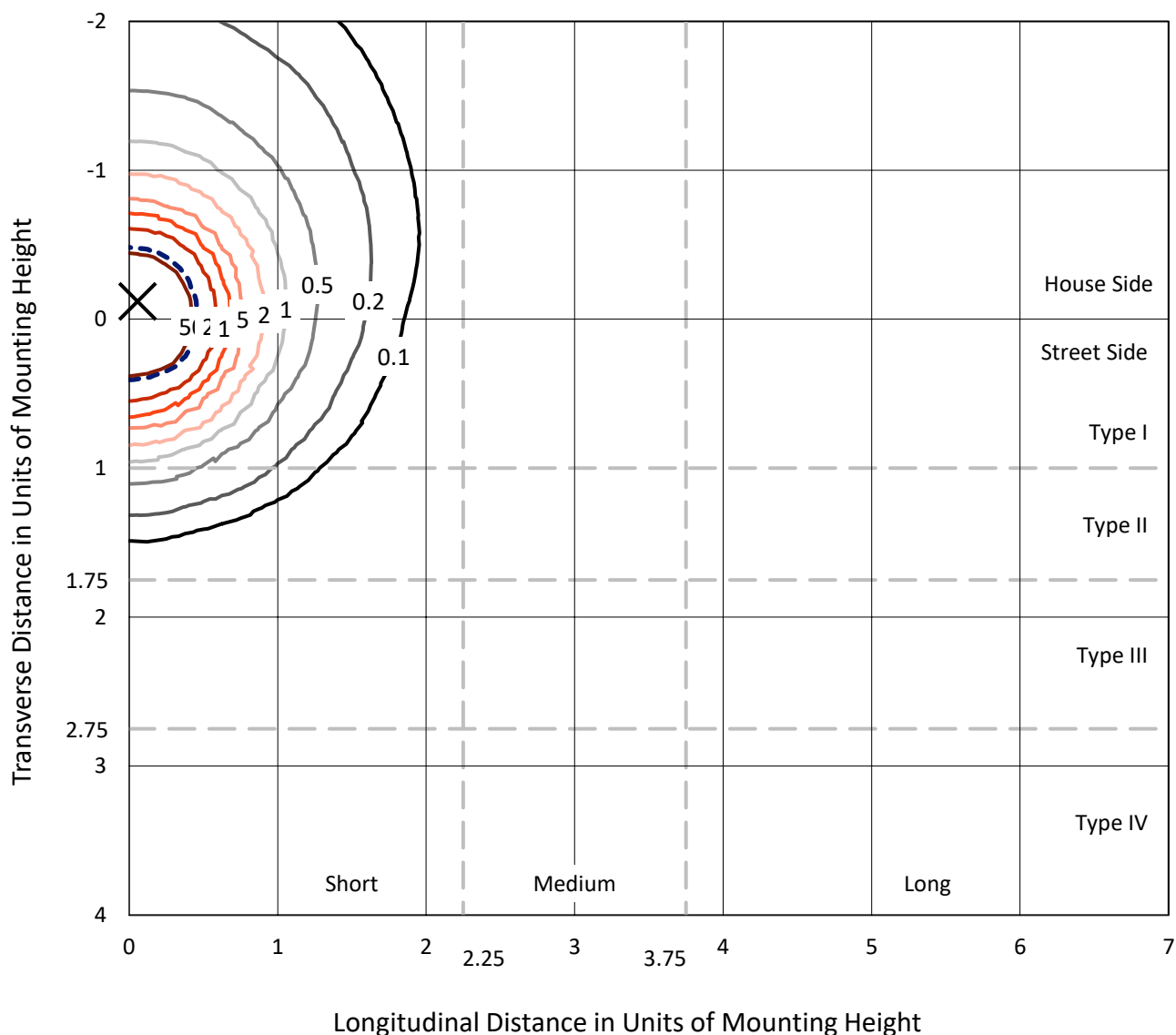
REPORT NUMBER: P637542

CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

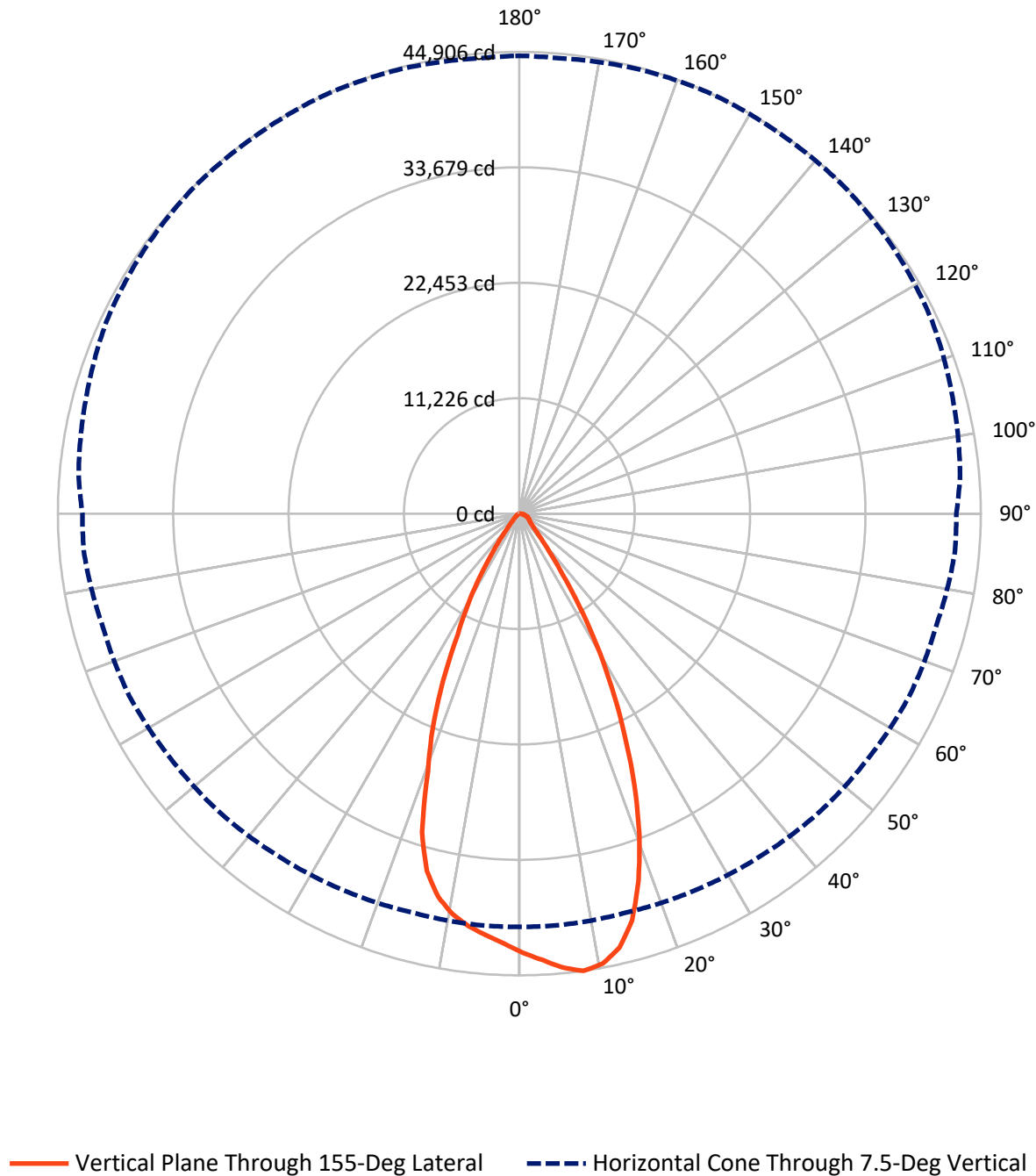


Based on 20 foot mounting height. Maximum calculated value = 108.6 fc

Type I - Short - N/A

REPORT NUMBER: P637542
CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637542

CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16932.8	0.0	16932.8
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	13740.5	0.0	13740.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	30673.3	0.0	30673.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4074.6	13.3
10°-20°	10565.5	34.4
20°-30°	9680.9	31.6
30°-40°	3911.1	12.8
40°-50°	1147.3	3.7
50°-60°	641.5	2.1
60°-70°	389.6	1.3
70°-80°	198.0	0.6
80°-90°	64.7	0.2
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°	30673.3	100.0
0°-180°	30673.3	100.0

Coefficient of Utilization



REPORT NUMBER: P637542

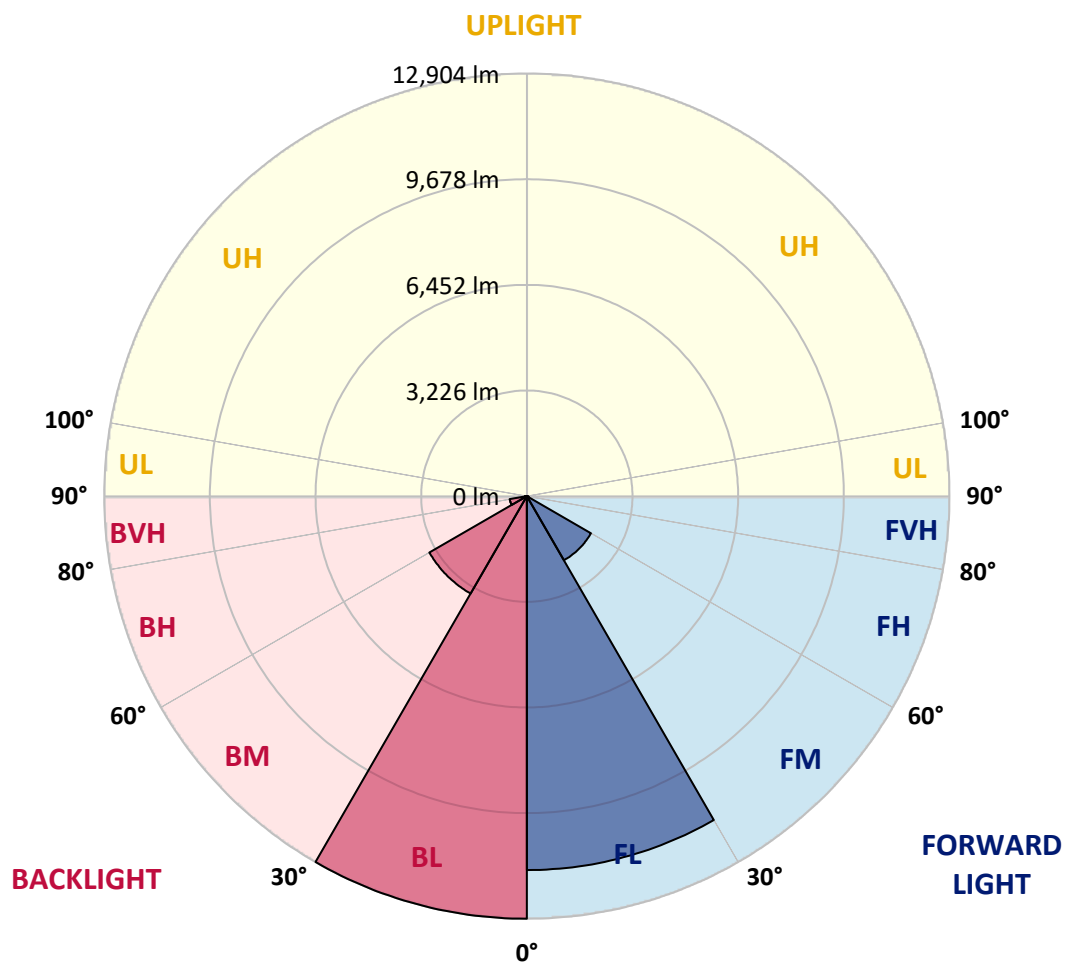
CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11417.4	37.2			
FM	(30°-60°)	2262.7	7.4			
FH	(60°-80°)	54.8	0.2			G0/660
FVH	(80°-90°)	5.6	0.0			G0/10
BL	(0°-30°)	12903.7	42.1	B5		
BM	(30°-60°)	3437.2	11.2	B3/5000		
BH	(60°-80°)	532.8	1.7	B2/1000		G2/1000
BVH	(80°-90°)	59.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short



REPORT NUMBER: P637542

CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4
2.5°	41803.7	41945.2	41662.2	41849.7	41994.7	42341.3	42369.6	42489.9	42532.3	42847.1
5°	41011.4	41121.0	40891.1	41142.3	41347.4	41655.1	41892.1	42224.6	42408.5	42779.9
7.5°	40187.3	40212.0	40166.0	40431.3	40739.0	41163.5	41457.1	41892.1	42005.3	42535.8
10°	39189.8	39009.5	39097.9	39486.9	39946.8	40597.6	40799.2	41234.2	41435.8	41977.0
12.5°	37598.2	37690.2	37580.5	38075.7	38457.7	39196.9	39409.1	39847.7	40233.3	40710.7
15°	35355.7	35302.7	35525.5	35911.1	36324.9	36912.0	37255.1	37732.6	38026.2	38521.3
17.5°	30315.5	30495.9	31415.5	32381.1	33230.0	33916.2	34326.5	34722.6	34934.8	35472.5
20°	26180.8	25954.4	26078.2	26622.9	29038.7	30089.2	30520.7	30616.2	30704.6	31129.0
22.5°	21557.9	21483.7	21897.5	22509.4	23082.4	25505.2	26092.4	25869.5	26053.5	26453.1
25°	16008.4	16383.3	16751.2	17925.5	18668.2	19856.7	20970.8	21069.8	21137.0	21388.2
27.5°	13030.3	12899.4	12892.3	13221.3	14317.7	15308.1	16256.0	16475.3	16436.4	16676.9
30°	10243.1	10200.7	10052.1	10129.9	10020.3	10901.0	11346.7	12248.6	12199.1	12206.1
32.5°	7388.8	7229.6	7169.5	7286.2	7173.0	7091.7	7480.7	8499.4	8481.7	8552.4
35°	4470.8	4449.5	4499.1	4601.6	4375.3	4368.2	4449.5	5408.1	5524.8	5638.0
37.5°	2468.8	2447.6	2486.5	2865.0	2790.7	2723.5	2744.7	3250.5	3586.5	3671.4
40°	1627.0	1623.5	1651.8	1719.0	1846.3	1821.5	1832.2	2058.5	2376.9	2451.1
42.5°	1089.4	1092.9	1110.6	1188.4	1206.1	1333.4	1312.2	1365.3	1662.4	1726.1
45°	870.1	866.6	877.2	841.8	863.0	993.9	1008.0	1011.6	1266.2	1305.1
47.5°	686.2	686.2	696.8	650.8	640.2	721.5	795.8	806.4	1011.6	1064.6
50°	481.0	481.0	534.1	512.9	537.6	562.4	643.7	654.3	827.7	884.2
52.5°	353.7	360.8	367.8	371.4	452.7	449.2	519.9	569.5	626.0	725.1
55°	268.8	275.9	258.2	275.9	336.0	374.9	389.1	459.8	498.7	608.4
57.5°	176.8	194.5	180.4	212.2	226.4	290.0	311.3	378.5	403.2	498.7
60°	24.8	28.3	46.0	148.6	159.2	191.0	240.5	300.6	325.4	406.8
62.5°	3.5	3.5	10.6	24.8	106.1	127.3	180.4	208.7	240.5	304.2
65°	0.0	0.0	3.5	7.1	21.2	74.3	92.0	113.2	166.2	219.3
67.5°	0.0	0.0	3.5	7.1	10.6	24.8	38.9	74.3	95.5	152.1
70°	0.0	0.0	3.5	7.1	10.6	14.1	21.2	28.3	56.6	88.4
72.5°	0.0	0.0	3.5	7.1	10.6	14.1	17.7	21.2	24.8	56.6
75°	0.0	0.0	3.5	7.1	10.6	17.7	21.2	21.2	21.2	24.8
77.5°	0.0	0.0	3.5	7.1	14.1	21.2	24.8	21.2	17.7	17.7
80°	0.0	0.0	3.5	10.6	17.7	24.8	28.3	21.2	14.1	10.6
82.5°	0.0	0.0	3.5	10.6	17.7	24.8	28.3	24.8	14.1	10.6
85°	0.0	0.0	3.5	10.6	14.1	17.7	28.3	24.8	14.1	7.1
87.5°	0.0	0.0	0.0	3.5	3.5	7.1	14.1	10.6	7.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637542

CATALOG NUMBER: IFLD-L-SA7C-722-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
42730.4	0°	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4	42730.4
42840.0	2.5°	43158.3	43317.5	43596.9	43674.7	43915.3	43639.4	43487.3	43501.4	43172.5
42733.9	5°	43158.3	43522.7	44010.8	44244.2	44421.0	44406.9	44368.0	44269.0	44028.4
42521.7	7.5°	43045.2	43639.4	44311.4	44622.7	44834.9	44817.2	44905.6	44746.5	44452.9
42143.2	10°	42680.8	43197.2	44024.9	44279.6	44622.7	44629.7	44520.1	44551.9	44028.4
40760.3	12.5°	41534.9	41938.1	42663.2	42953.2	43370.6	43437.8	43317.5	43271.5	42776.3
38493.1	15°	39317.2	39550.6	40279.2	40569.3	40983.1	40926.5	41046.8	40997.2	40562.2
35430.0	17.5°	36073.8	36148.0	36912.0	37156.1	37545.1	37697.2	37516.8	37746.7	37371.8
31203.3	20°	31422.6	31822.3	32681.8	33056.7	33283.1	33555.4	33318.4	33576.6	33138.1
26074.7	22.5°	26704.3	26941.2	27719.4	28260.5	28681.4	28734.5	28646.1	28826.5	28235.8
21554.4	25°	21550.9	21943.5	22558.9	23266.3	23680.1	23934.8	23704.9	23821.6	23726.1
16715.8	27.5°	16998.8	17348.9	17812.3	18339.3	18961.8	19294.3	19110.4	19308.4	18841.5
12464.4	30°	12475.0	12651.8	13175.3	13734.1	14416.8	14820.0	14837.7	15039.3	14763.4
8732.8	32.5°	8796.5	8952.1	9274.0	9645.4	10296.2	10745.4	10674.6	10702.9	10533.2
5691.0	35°	5719.3	5928.0	6157.9	6334.7	6727.4	7222.5	7183.6	7148.3	7031.5
3742.1	37.5°	3823.5	3904.8	4032.2	4191.3	4446.0	4757.3	4859.8	4732.5	4683.0
2525.4	40°	2585.5	2727.0	2811.9	2932.2	3052.4	3314.2	3384.9	3360.1	3310.6
1768.5	42.5°	1835.7	1945.3	2051.5	2168.2	2231.8	2394.5	2532.5	2493.6	2472.4
1344.1	45°	1393.6	1492.6	1616.4	1704.8	1768.5	1864.0	1994.9	2009.0	1977.2
1078.8	47.5°	1117.7	1206.1	1305.1	1414.8	1489.1	1549.2	1662.4	1704.8	1683.6
909.0	50°	947.9	1015.1	1110.6	1220.3	1301.6	1354.7	1453.7	1499.7	1485.5
760.5	52.5°	806.4	887.8	976.2	1068.2	1167.2	1220.3	1312.2	1379.4	1368.8
629.6	55°	668.5	774.6	866.6	958.5	1071.7	1124.8	1206.1	1294.5	1276.9
534.1	57.5°	583.6	672.0	767.5	856.0	976.2	1046.9	1121.2	1213.2	1209.7
438.6	60°	488.1	576.5	682.6	756.9	884.2	983.3	1050.5	1146.0	1153.1
332.5	62.5°	389.1	498.7	580.1	682.6	799.4	916.1	979.7	1075.2	1110.6
254.7	65°	290.0	410.3	502.3	604.8	714.5	845.3	901.9	997.4	1032.8
183.9	67.5°	215.8	307.7	424.4	512.9	636.7	749.8	817.0	905.5	930.2
109.6	70°	162.7	237.0	353.7	431.5	558.8	650.8	718.0	785.2	817.0
74.3	72.5°	95.5	176.8	279.4	371.4	481.0	558.8	608.4	661.4	682.6
35.4	75°	67.2	134.4	219.3	307.7	389.1	452.7	498.7	544.7	565.9
17.7	77.5°	35.4	99.0	173.3	247.6	304.2	357.2	403.2	438.6	452.7
14.1	80°	21.2	70.7	141.5	194.5	233.4	279.4	325.4	350.2	346.6
10.6	82.5°	14.1	56.6	102.6	141.5	169.8	205.1	237.0	254.7	254.7
7.1	85°	10.6	38.9	70.7	109.6	113.2	141.5	148.6	166.2	169.8
7.1	87.5°	7.1	24.8	38.9	63.7	60.1	74.3	77.8	88.4	95.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
42730.4
42907.2
44106.3
44520.1
43876.4
42663.2
40700.1
37279.9
33102.7
28154.4
23666.0
18961.8
14812.9
10628.7
6929.0
4672.4
3317.7
2454.7
1973.6
1673.0
1482.0
1361.7
1276.9
1206.1
1153.1
1107.1
1029.3
930.2
810.0
675.6
558.8
449.2
343.1
251.1
166.2
92.0
0.0

(END OF REPORT)