

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: P637533

Luminaire Tested: **IFLD-S-SA6D-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637533
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31635.8 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 368.2
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



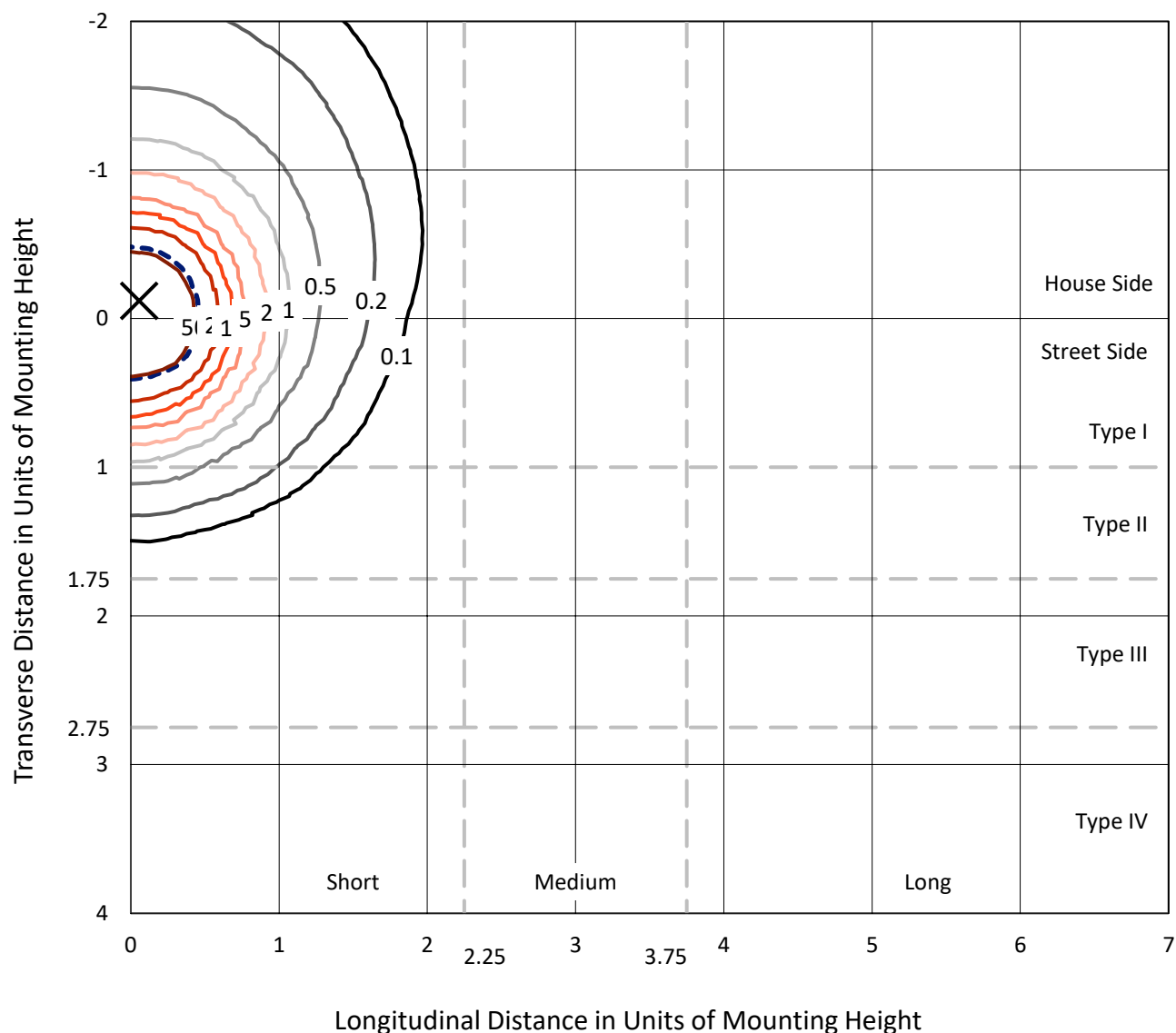
REPORT NUMBER: P637533

CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



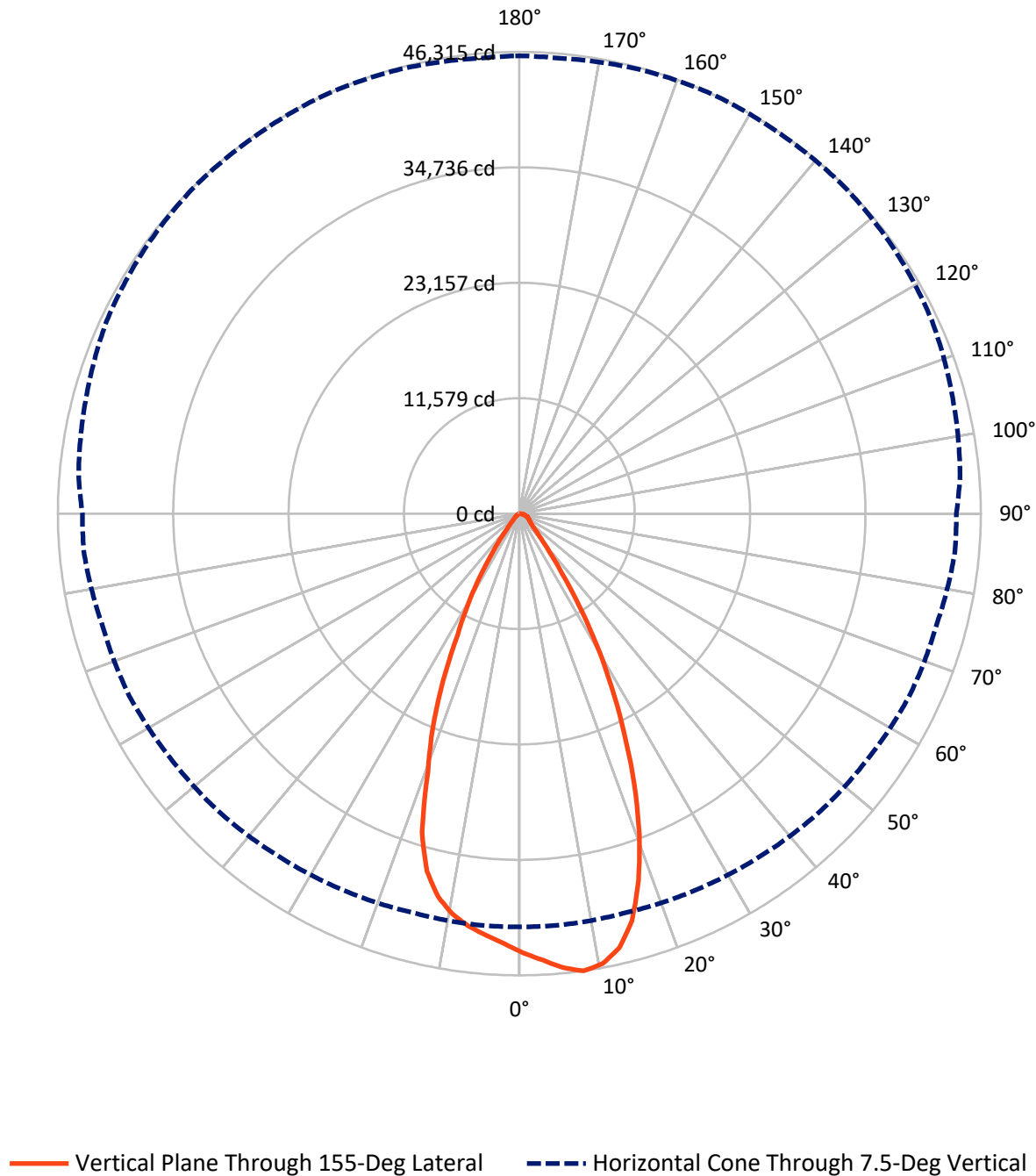
Based on 20 foot mounting height. Maximum calculated value = 112 fc

Type I - Short - N/A

REPORT NUMBER: P637533

CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637533

CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

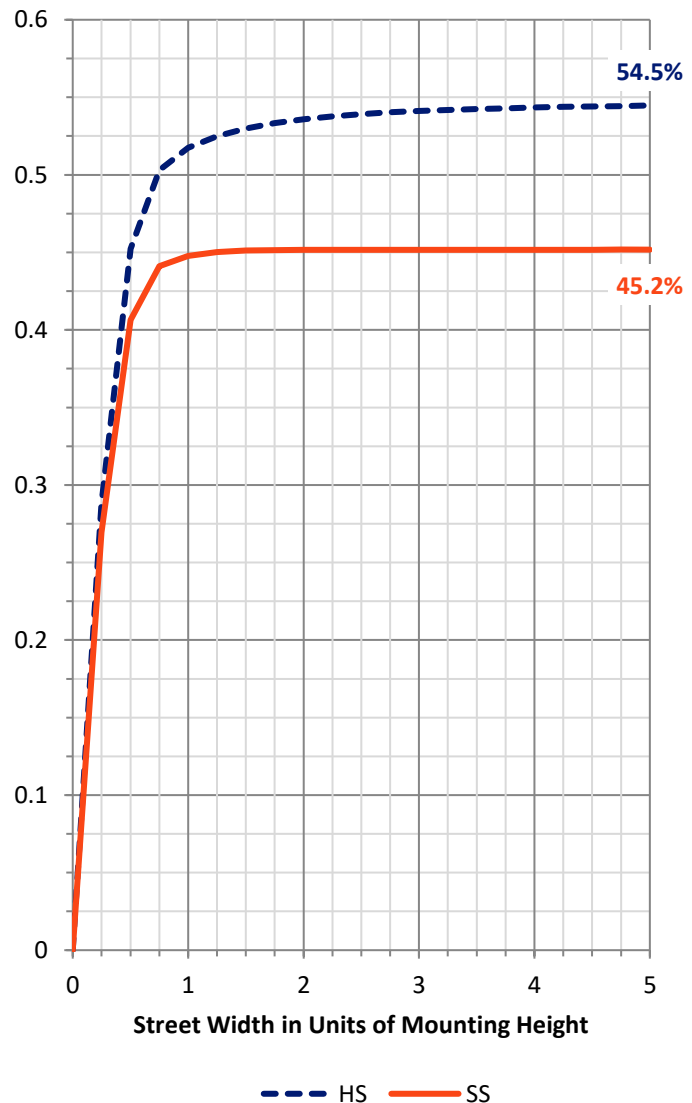
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17464.1	0.0	17464.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	14171.7	0.0	14171.7
	% Fixture	44.8	0.0	44.8
Total	Lumens	31635.8	0.0	31635.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4202.5	13.3
10°-20°	10897.0	34.4
20°-30°	9984.7	31.6
30°-40°	4033.8	12.8
40°-50°	1183.3	3.7
50°-60°	661.6	2.1
60°-70°	401.9	1.3
70°-80°	204.2	0.6
80°-90°	66.8	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°	31635.8	100.0
0°-180°	31635.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637533

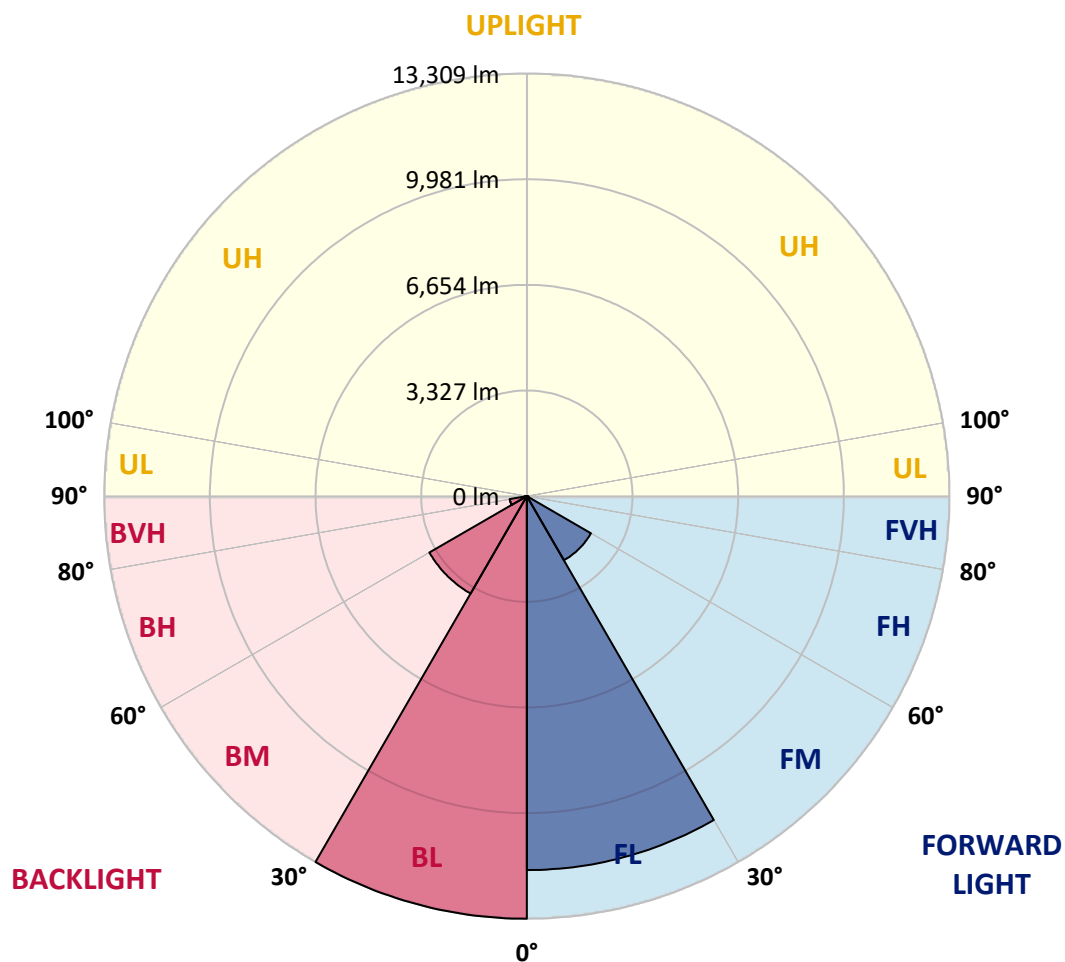
CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11775.6	37.2			
FM	(30°-60°)	2333.7	7.4			
FH	(60°-80°)	56.5	0.2			G0/660
FVH	(80°-90°)	5.8	0.0			G0/10
BL	(0°-30°)	13308.6	42.1	B5		
BM	(30°-60°)	3545.1	11.2	B3/5000		
BH	(60°-80°)	549.5	1.7	B2/1000		G2/1000
BVH	(80°-90°)	61.0	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: P637533

CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1
2.5°	43115.4	43261.3	42969.4	43162.8	43312.4	43669.9	43699.0	43823.1	43866.8	44191.5
5°	42298.2	42411.3	42174.2	42433.2	42644.8	42962.1	43206.6	43549.5	43739.2	44122.2
7.5°	41448.2	41473.8	41426.4	41699.9	42017.3	42455.1	42757.9	43206.6	43323.3	43870.5
10°	40419.5	40233.5	40324.7	40725.9	41200.2	41871.4	42079.3	42528.0	42736.0	43294.1
12.5°	38777.9	38872.8	38759.7	39270.4	39664.4	40426.8	40645.7	41098.0	41495.7	41988.1
15°	36465.1	36410.4	36640.2	37037.8	37464.7	38070.2	38424.1	38916.5	39219.3	39730.0
17.5°	31266.8	31452.8	32401.3	33397.2	34272.7	34980.4	35403.6	35812.1	36031.0	36585.5
20°	27002.3	26768.8	26896.5	27458.3	29949.8	31033.3	31478.3	31576.8	31668.0	32105.8
22.5°	22234.4	22157.8	22584.6	23215.7	23806.7	26305.5	26911.1	26681.3	26870.9	27283.2
25°	16510.7	16897.4	17276.8	18487.9	19254.0	20479.7	21628.8	21731.0	21800.3	22059.3
27.5°	13439.1	13304.1	13296.9	13636.1	14767.0	15788.4	16766.1	16992.2	16952.1	17200.2
30°	10564.5	10520.7	10367.5	10447.8	10334.7	11243.0	11702.7	12632.9	12581.8	12589.1
32.5°	7620.6	7456.5	7394.4	7514.8	7398.1	7314.2	7715.5	8766.1	8747.8	8820.8
35°	4611.0	4589.1	4640.2	4746.0	4512.5	4505.2	4589.1	5577.7	5698.1	5814.9
37.5°	2546.3	2524.4	2564.5	2954.9	2878.2	2808.9	2830.8	3352.5	3699.0	3786.6
40°	1678.1	1674.4	1703.6	1772.9	1904.2	1878.7	1889.6	2123.1	2451.4	2528.0
42.5°	1123.6	1127.2	1145.5	1225.7	1244.0	1375.3	1353.4	1408.1	1714.5	1780.2
45°	897.4	893.8	904.7	868.2	890.1	1025.1	1039.7	1043.3	1306.0	1346.1
47.5°	707.7	707.7	718.7	671.2	660.3	744.2	820.8	831.7	1043.3	1098.0
50°	496.1	496.1	550.8	529.0	554.5	580.0	663.9	674.9	853.6	912.0
52.5°	364.8	372.1	379.4	383.0	466.9	463.3	536.3	587.3	645.7	747.8
55°	277.2	284.5	266.3	284.5	346.6	386.7	401.3	474.2	514.4	627.5
57.5°	182.4	200.6	186.0	218.9	233.5	299.1	321.0	390.3	415.9	514.4
60°	25.5	29.2	47.4	153.2	164.2	197.0	248.1	310.1	335.6	419.5
62.5°	3.6	3.6	10.9	25.5	109.4	131.3	186.0	215.2	248.1	313.7
65°	0.0	0.0	3.6	7.3	21.9	76.6	94.8	116.7	171.5	226.2
67.5°	0.0	0.0	3.6	7.3	10.9	25.5	40.1	76.6	98.5	156.9
70°	0.0	0.0	3.6	7.3	10.9	14.6	21.9	29.2	58.4	91.2
72.5°	0.0	0.0	3.6	7.3	10.9	14.6	18.2	21.9	25.5	58.4
75°	0.0	0.0	3.6	7.3	10.9	18.2	21.9	21.9	21.9	25.5
77.5°	0.0	0.0	3.6	7.3	14.6	21.9	25.5	21.9	18.2	18.2
80°	0.0	0.0	3.6	10.9	18.2	25.5	29.2	21.9	14.6	10.9
82.5°	0.0	0.0	3.6	10.9	18.2	25.5	29.2	25.5	14.6	10.9
85°	0.0	0.0	3.6	10.9	14.6	18.2	29.2	25.5	14.6	7.3
87.5°	0.0	0.0	0.0	3.6	3.6	7.3	14.6	10.9	7.3	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637533

CATALOG NUMBER: IFLD-S-SA6D-722-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
44071.1	0°	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1	44071.1
44184.2	2.5°	44512.5	44676.7	44964.9	45045.1	45293.2	45008.7	44851.8	44866.4	44527.1
44074.8	5°	44512.5	44888.3	45391.7	45632.5	45814.9	45800.3	45760.1	45658.0	45409.9
43855.9	7.5°	44395.8	45008.7	45701.8	46022.8	46241.7	46223.4	46314.6	46150.5	45847.7
43465.6	10°	44020.1	44552.7	45406.3	45668.9	46022.8	46030.1	45917.0	45949.8	45409.9
42039.2	12.5°	42838.1	43254.0	44001.8	44301.0	44731.4	44800.7	44676.7	44629.3	44118.6
39700.9	15°	40550.8	40791.6	41543.1	41842.2	42269.0	42210.7	42334.7	42283.6	41834.9
36541.7	17.5°	37205.6	37282.3	38070.2	38321.9	38723.2	38880.1	38694.0	38931.1	38544.5
32182.4	20°	32408.6	32820.8	33707.2	34093.9	34327.4	34608.3	34363.9	34630.2	34177.8
26892.8	22.5°	27542.2	27786.6	28589.1	29147.3	29581.4	29636.1	29544.9	29731.0	29121.7
22230.7	25°	22227.1	22632.0	23266.8	23996.3	24423.2	24685.8	24448.7	24569.1	24470.6
17240.3	27.5°	17532.1	17893.3	18371.2	18914.7	19556.8	19899.7	19710.0	19914.3	19432.7
12855.4	30°	12866.4	13048.8	13588.7	14165.1	14869.1	15285.0	15303.2	15511.2	15226.6
9006.8	32.5°	9072.5	9233.0	9565.0	9948.0	10619.2	11082.5	11009.6	11038.8	10863.7
5869.6	35°	5898.8	6114.0	6351.1	6533.5	6938.4	7449.2	7409.0	7372.5	7252.2
3859.6	37.5°	3943.5	4027.4	4158.7	4322.8	4585.5	4906.5	5012.3	4881.0	4829.9
2604.7	40°	2666.7	2812.6	2900.1	3024.2	3148.2	3418.1	3491.1	3465.6	3414.5
1824.0	42.5°	1893.3	2006.4	2115.8	2236.2	2301.9	2469.7	2611.9	2571.8	2549.9
1386.2	45°	1437.3	1539.4	1667.1	1758.3	1824.0	1922.5	2057.5	2072.0	2039.2
1112.6	47.5°	1152.8	1244.0	1346.1	1459.2	1535.8	1597.8	1714.5	1758.3	1736.4
937.5	50°	977.7	1047.0	1145.5	1258.5	1342.5	1397.2	1499.3	1546.7	1532.1
784.3	52.5°	831.7	915.6	1006.8	1101.7	1203.8	1258.5	1353.4	1422.7	1411.8
649.3	55°	689.5	798.9	893.8	988.6	1105.3	1160.1	1244.0	1335.2	1316.9
550.8	57.5°	601.9	693.1	791.6	882.8	1006.8	1079.8	1156.4	1251.3	1247.6
452.3	60°	503.4	594.6	704.1	780.7	912.0	1014.1	1083.4	1181.9	1189.2
342.9	62.5°	401.3	514.4	598.3	704.1	824.4	944.8	1010.5	1109.0	1145.5
262.7	65°	299.1	423.2	518.0	623.8	736.9	871.9	930.2	1028.7	1065.2
189.7	67.5°	222.5	317.4	437.8	529.0	656.6	773.4	842.7	933.9	959.4
113.1	70°	167.8	244.4	364.8	445.1	576.4	671.2	740.5	809.8	842.7
76.6	72.5°	98.5	182.4	288.2	383.0	496.1	576.4	627.5	682.2	704.1
36.5	75°	69.3	138.6	226.2	317.4	401.3	466.9	514.4	561.8	583.7
18.2	77.5°	36.5	102.1	178.8	255.4	313.7	368.4	415.9	452.3	466.9
14.6	80°	21.9	73.0	145.9	200.6	240.8	288.2	335.6	361.1	357.5
10.9	82.5°	14.6	58.4	105.8	145.9	175.1	211.6	244.4	262.7	262.7
7.3	85°	10.9	40.1	73.0	113.1	116.7	145.9	153.2	171.5	175.1
7.3	87.5°	7.3	25.5	40.1	65.7	62.0	76.6	80.3	91.2	98.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
44071.1
44253.5
45490.2
45917.0
45253.1
44001.8
41977.2
38449.6
34141.4
29037.8
24408.6
19556.8
15277.7
10962.2
7146.4
4819.0
3421.8
2531.7
2035.6
1725.5
1528.5
1404.5
1316.9
1244.0
1189.2
1141.8
1061.6
959.4
835.4
696.8
576.4
463.3
353.9
259.0
171.5
94.8
0.0

(END OF REPORT)