

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: P637647

Luminaire Tested: **IFLD-S-SA6B-740-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637647
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31354.9 lumens
Efficiency: N/A
Efficacy: 128.0 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): 244.9
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



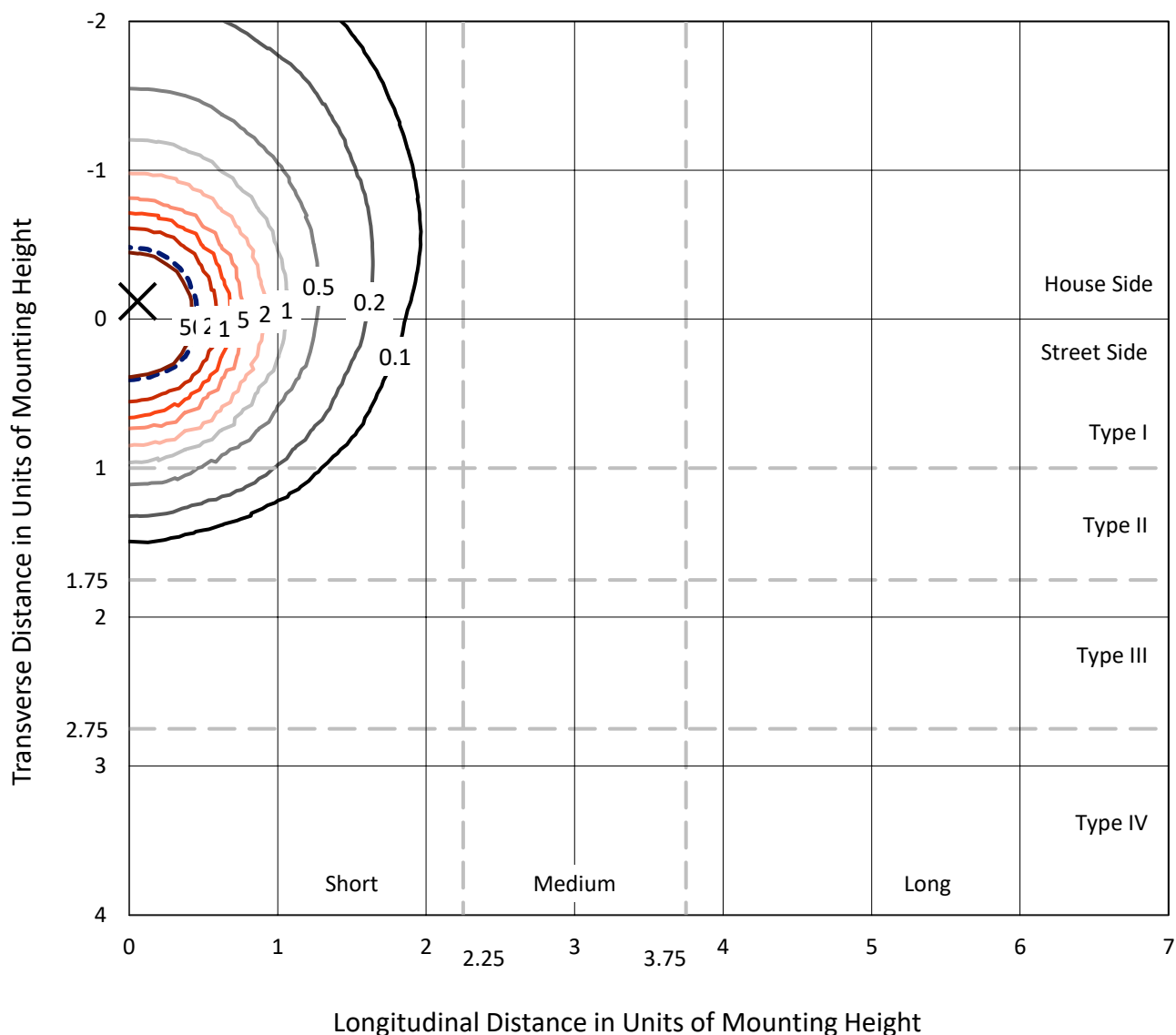
REPORT NUMBER: P637647

CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



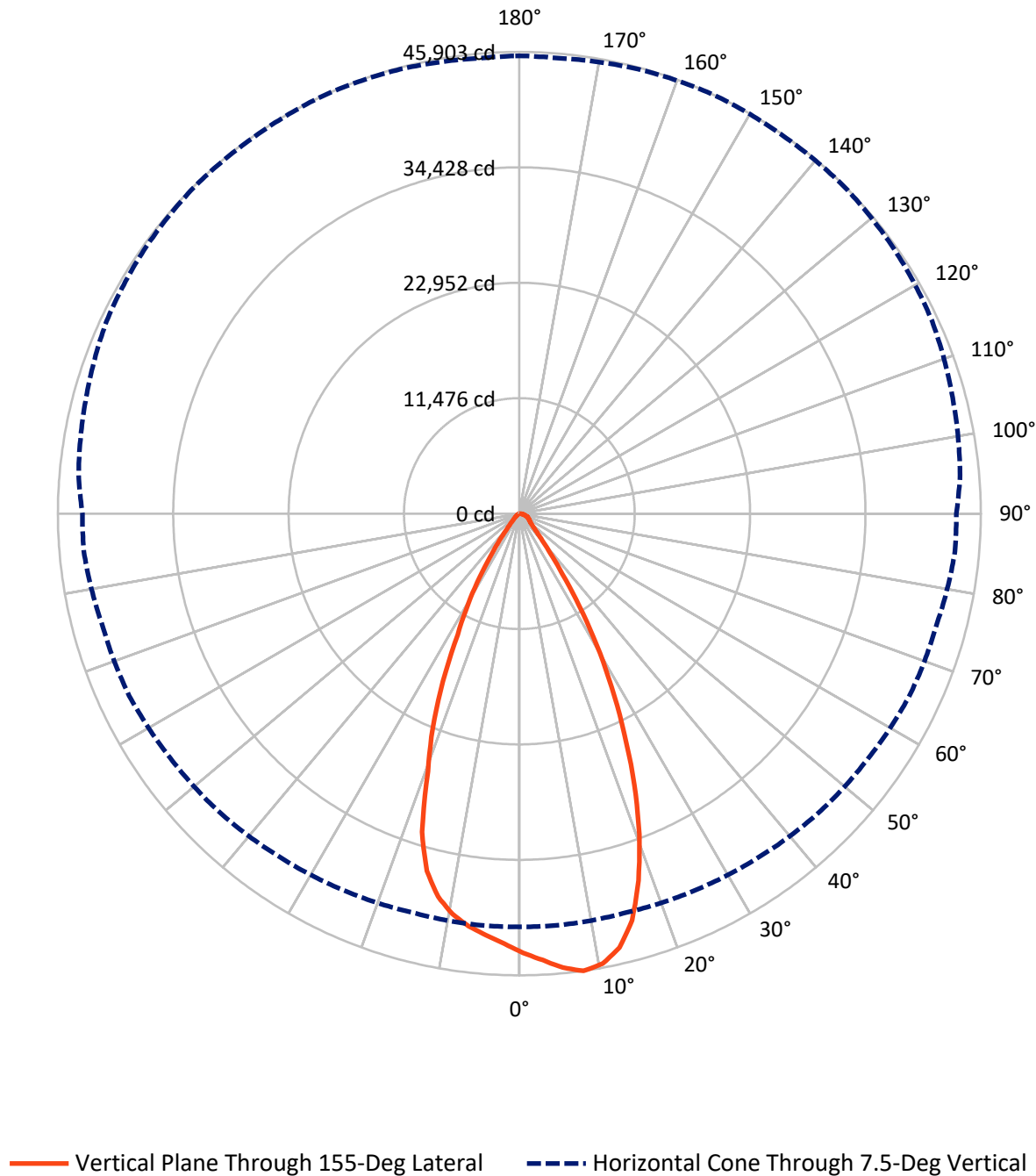
Based on 20 foot mounting height. Maximum calculated value = 111 fc

Type I - Short - N/A

REPORT NUMBER: P637647

CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637647

CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

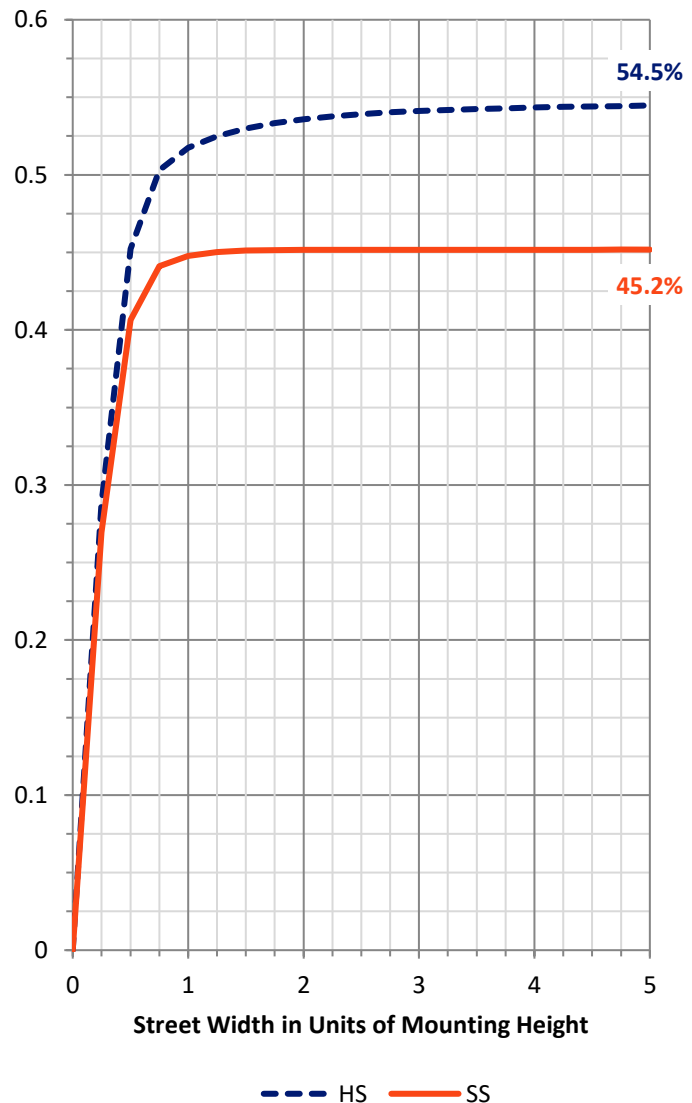
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17309.1	0.0	17309.1
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	14045.8	0.0	14045.8
	% Fixture	44.8	0.0	44.8
Total	Lumens	31354.9	0.0	31354.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4165.2	13.3
10°-20°	10800.3	34.4
20°-30°	9896.1	31.6
30°-40°	3998.0	12.8
40°-50°	1172.8	3.7
50°-60°	655.8	2.1
60°-70°	398.3	1.3
70°-80°	202.4	0.6
80°-90°	66.2	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°	31354.9	100.0
0°-180°	31354.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637647

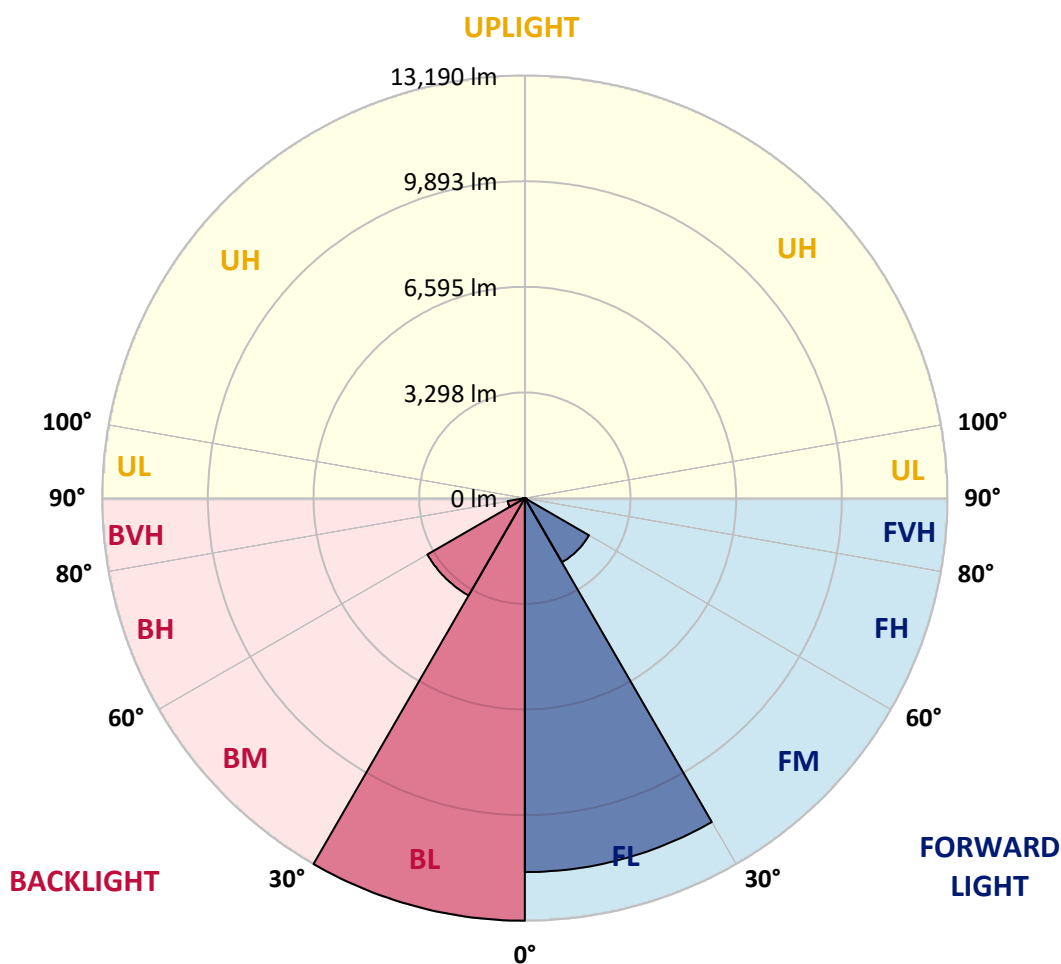
CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11671.1	37.2			
FM	(30°-60°)	2313.0	7.4			
FH	(60°-80°)	56.0	0.2			G0/660
FVH	(80°-90°)	5.7	0.0			G0/10
BL	(0°-30°)	13190.4	42.1	B5		
BM	(30°-60°)	3513.6	11.2	B3/5000		
BH	(60°-80°)	544.6	1.7	B2/1000		G2/1000
BVH	(80°-90°)	60.4	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: P637647

CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8
2.5°	42732.5	42877.2	42587.9	42779.5	42927.8	43282.1	43311.0	43434.0	43477.4	43799.1
5°	41922.7	42034.7	41799.7	42056.4	42266.1	42580.7	42822.9	43162.8	43350.8	43730.4
7.5°	41080.2	41105.5	41058.5	41329.7	41644.3	42078.1	42378.2	42822.9	42938.6	43481.0
10°	40060.6	39876.2	39966.6	40364.3	40834.4	41499.6	41705.7	42150.4	42356.5	42909.7
12.5°	38433.6	38527.6	38415.5	38921.7	39312.2	40067.9	40284.8	40733.1	41127.2	41615.3
15°	36141.3	36087.1	36314.9	36709.0	37132.0	37732.2	38082.9	38571.0	38871.1	39377.3
17.5°	30989.1	31173.5	32113.6	33100.6	33968.4	34669.8	35089.2	35494.2	35711.1	36260.7
20°	26762.5	26531.1	26657.7	27214.5	29683.9	30757.7	31198.8	31296.5	31386.9	31820.7
22.5°	22037.0	21961.0	22384.1	23009.6	23595.3	26071.9	26672.1	26444.4	26632.4	27040.9
25°	16364.1	16747.4	17123.4	18323.8	19083.0	20297.9	21436.8	21538.0	21606.7	21863.4
27.5°	13319.8	13186.0	13178.8	13515.0	14635.9	15648.2	16617.2	16841.4	16801.6	17047.5
30°	10470.7	10427.3	10275.5	10355.0	10242.9	11143.2	11598.8	12520.8	12470.1	12477.4
32.5°	7552.9	7390.2	7328.8	7448.1	7332.4	7249.2	7647.0	8688.2	8670.2	8742.5
35°	4570.1	4548.4	4599.0	4703.9	4472.5	4465.2	4548.4	5528.2	5647.5	5763.2
37.5°	2523.7	2502.0	2541.8	2928.6	2852.7	2784.0	2805.7	3322.7	3666.2	3753.0
40°	1663.2	1659.6	1688.5	1757.2	1887.3	1862.0	1872.9	2104.3	2429.7	2505.6
42.5°	1113.6	1117.2	1135.3	1214.8	1232.9	1363.1	1341.4	1395.6	1699.3	1764.4
45°	889.4	885.8	896.7	860.5	882.2	1016.0	1030.4	1034.1	1294.4	1334.1
47.5°	701.4	701.4	712.3	665.3	654.4	737.6	813.5	824.4	1034.1	1088.3
50°	491.7	491.7	546.0	524.3	549.6	574.9	658.0	668.9	846.0	903.9
52.5°	361.6	368.8	376.0	379.6	462.8	459.2	531.5	582.1	640.0	741.2
55°	274.8	282.0	263.9	282.0	343.5	383.3	397.7	470.0	509.8	621.9
57.5°	180.8	198.9	184.4	216.9	231.4	296.5	318.2	386.9	412.2	509.8
60°	25.3	28.9	47.0	151.9	162.7	195.2	245.9	307.3	332.6	415.8
62.5°	3.6	3.6	10.8	25.3	108.5	130.2	184.4	213.3	245.9	310.9
65°	0.0	0.0	3.6	7.2	21.7	75.9	94.0	115.7	169.9	224.2
67.5°	0.0	0.0	3.6	7.2	10.8	25.3	39.8	75.9	97.6	155.5
70°	0.0	0.0	3.6	7.2	10.8	14.5	21.7	28.9	57.8	90.4
72.5°	0.0	0.0	3.6	7.2	10.8	14.5	18.1	21.7	25.3	57.8
75°	0.0	0.0	3.6	7.2	10.8	18.1	21.7	21.7	21.7	25.3
77.5°	0.0	0.0	3.6	7.2	14.5	21.7	25.3	21.7	18.1	18.1
80°	0.0	0.0	3.6	10.8	18.1	25.3	28.9	21.7	14.5	10.8
82.5°	0.0	0.0	3.6	10.8	18.1	25.3	28.9	25.3	14.5	10.8
85°	0.0	0.0	3.6	10.8	14.5	18.1	28.9	25.3	14.5	7.2
87.5°	0.0	0.0	0.0	3.6	3.6	7.2	14.5	10.8	7.2	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: P637647

CATALOG NUMBER: IFLD-S-SA6B-740-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
43679.8	0°	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8	43679.8
43791.9	2.5°	44117.3	44280.0	44565.6	44645.2	44891.0	44609.0	44453.6	44468.0	44131.8
43683.4	5°	44117.3	44489.7	44988.7	45227.3	45408.1	45393.6	45353.8	45252.6	45006.7
43466.5	7.5°	44001.6	44609.0	45296.0	45614.2	45831.1	45813.0	45903.4	45740.7	45440.6
43079.6	10°	43629.2	44157.1	45003.1	45263.4	45614.2	45621.4	45509.3	45541.8	45006.7
41665.9	12.5°	42457.8	42869.9	43611.1	43907.6	44334.2	44402.9	44280.0	44233.0	43726.8
39348.4	15°	40190.8	40429.4	41174.2	41470.7	41893.7	41835.9	41958.8	41908.2	41463.5
36217.3	17.5°	36875.3	36951.2	37732.2	37981.7	38379.4	38534.9	38350.5	38585.5	38202.2
31896.6	20°	32120.8	32529.4	33408.0	33791.2	34022.6	34301.0	34058.8	34322.7	33874.4
26654.1	22.5°	27297.6	27539.9	28335.3	28888.5	29318.7	29373.0	29282.6	29467.0	28863.2
22033.3	25°	22029.7	22431.1	23060.2	23783.3	24206.3	24466.6	24231.6	24350.9	24253.3
17087.2	27.5°	17376.5	17734.4	18208.1	18746.8	19383.1	19723.0	19535.0	19737.5	19260.2
12741.3	30°	12752.2	12932.9	13468.0	14039.3	14737.1	15149.3	15167.4	15373.4	15091.4
8926.9	32.5°	8991.9	9151.0	9480.1	9859.7	10525.0	10984.1	10911.8	10940.7	10767.2
5817.5	35°	5846.4	6059.7	6294.7	6475.5	6876.8	7383.0	7343.2	7307.1	7187.8
3825.3	37.5°	3908.4	3991.6	4121.8	4284.5	4544.8	4863.0	4967.8	4837.6	4787.0
2581.5	40°	2643.0	2787.6	2874.4	2997.3	3120.2	3387.8	3460.1	3434.8	3384.2
1807.8	42.5°	1876.5	1988.6	2097.0	2216.4	2281.4	2447.7	2588.8	2549.0	2527.3
1373.9	45°	1424.5	1525.8	1652.3	1742.7	1807.8	1905.4	2039.2	2053.6	2021.1
1102.8	47.5°	1142.5	1232.9	1334.1	1446.2	1522.2	1583.6	1699.3	1742.7	1721.0
929.2	50°	969.0	1037.7	1135.3	1247.4	1330.5	1384.8	1486.0	1533.0	1518.5
777.3	52.5°	824.4	907.5	997.9	1091.9	1193.1	1247.4	1341.4	1410.1	1399.2
643.6	55°	683.3	791.8	885.8	979.8	1095.5	1149.8	1232.9	1323.3	1305.2
546.0	57.5°	596.6	687.0	784.6	875.0	997.9	1070.2	1146.1	1240.1	1236.5
448.3	60°	499.0	589.3	697.8	773.7	903.9	1005.1	1073.8	1171.4	1178.7
339.9	62.5°	397.7	509.8	593.0	697.8	817.1	936.4	1001.5	1099.1	1135.3
260.3	65°	296.5	419.4	513.4	618.3	730.3	864.1	922.0	1019.6	1055.7
188.0	67.5°	220.6	314.6	433.9	524.3	650.8	766.5	835.2	925.6	950.9
112.1	70°	166.3	242.2	361.6	441.1	571.3	665.3	734.0	802.7	835.2
75.9	72.5°	97.6	180.8	285.6	379.6	491.7	571.3	621.9	676.1	697.8
36.2	75°	68.7	137.4	224.2	314.6	397.7	462.8	509.8	556.8	578.5
18.1	77.5°	36.2	101.2	177.2	253.1	310.9	365.2	412.2	448.3	462.8
14.5	80°	21.7	72.3	144.6	198.9	238.6	285.6	332.6	357.9	354.3
10.8	82.5°	14.5	57.8	104.9	144.6	173.5	209.7	242.2	260.3	260.3
7.2	85°	10.8	39.8	72.3	112.1	115.7	144.6	151.9	169.9	173.5
7.2	87.5°	7.2	25.3	39.8	65.1	61.5	75.9	79.5	90.4	97.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
43679.8
43860.6
45086.3
45509.3
44851.3
43611.1
41604.5
38108.2
33838.2
28780.0
24191.8
19383.1
15142.1
10864.8
7082.9
4776.2
3391.4
2509.2
2017.5
1710.2
1514.9
1392.0
1305.2
1232.9
1178.7
1131.7
1052.1
950.9
828.0
690.6
571.3
459.2
350.7
256.7
169.9
94.0
0.0

(END OF REPORT)