

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: P639339

Luminaire Tested: **USSL-M-PA6C-740-U-T2R-HSS**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6C-740-U-T2R-HSS
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE II ROADWAY OPTICS WITH HOUSE
SIDE SHIELD, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48919 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

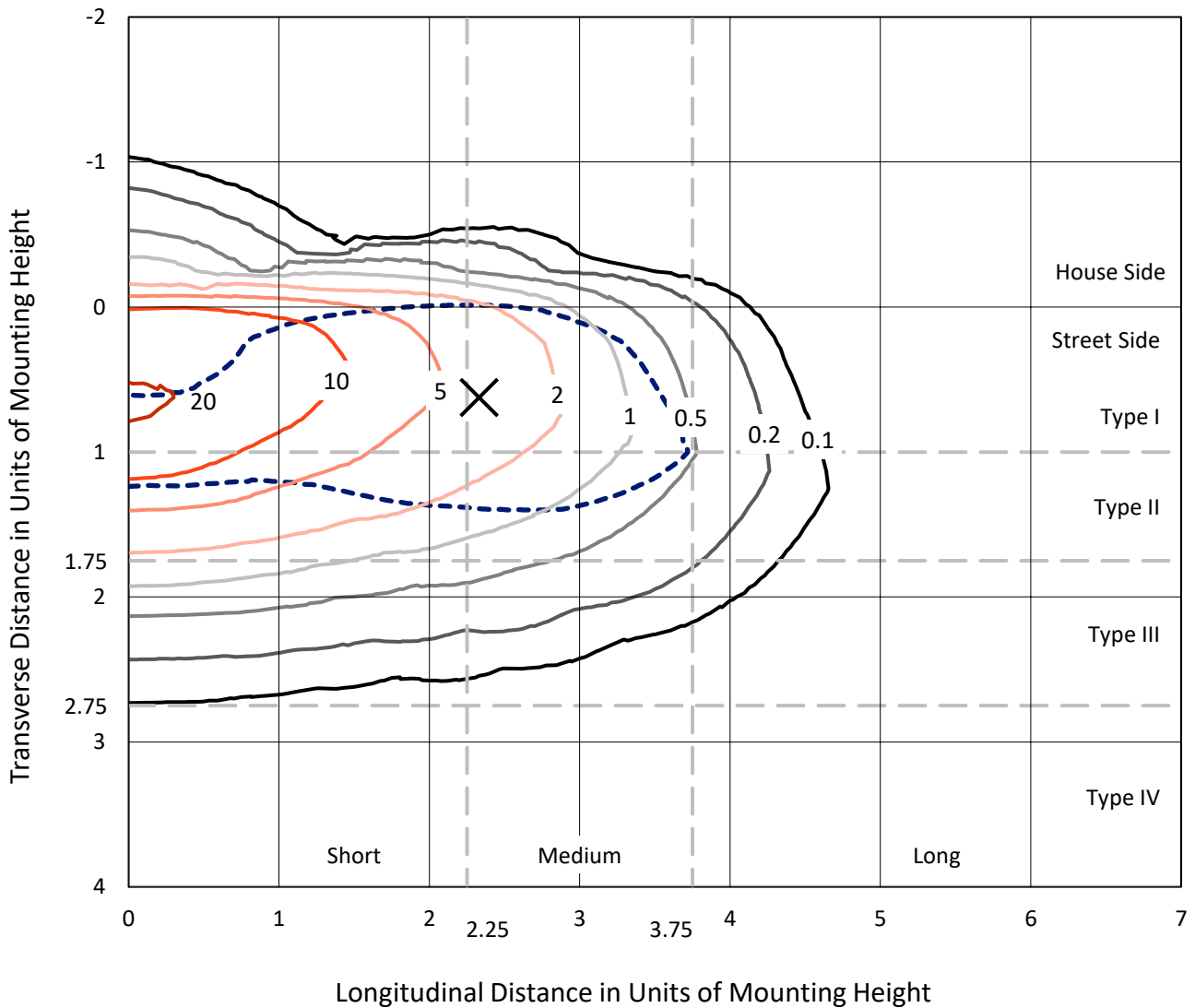
Input Watts (W): 457.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

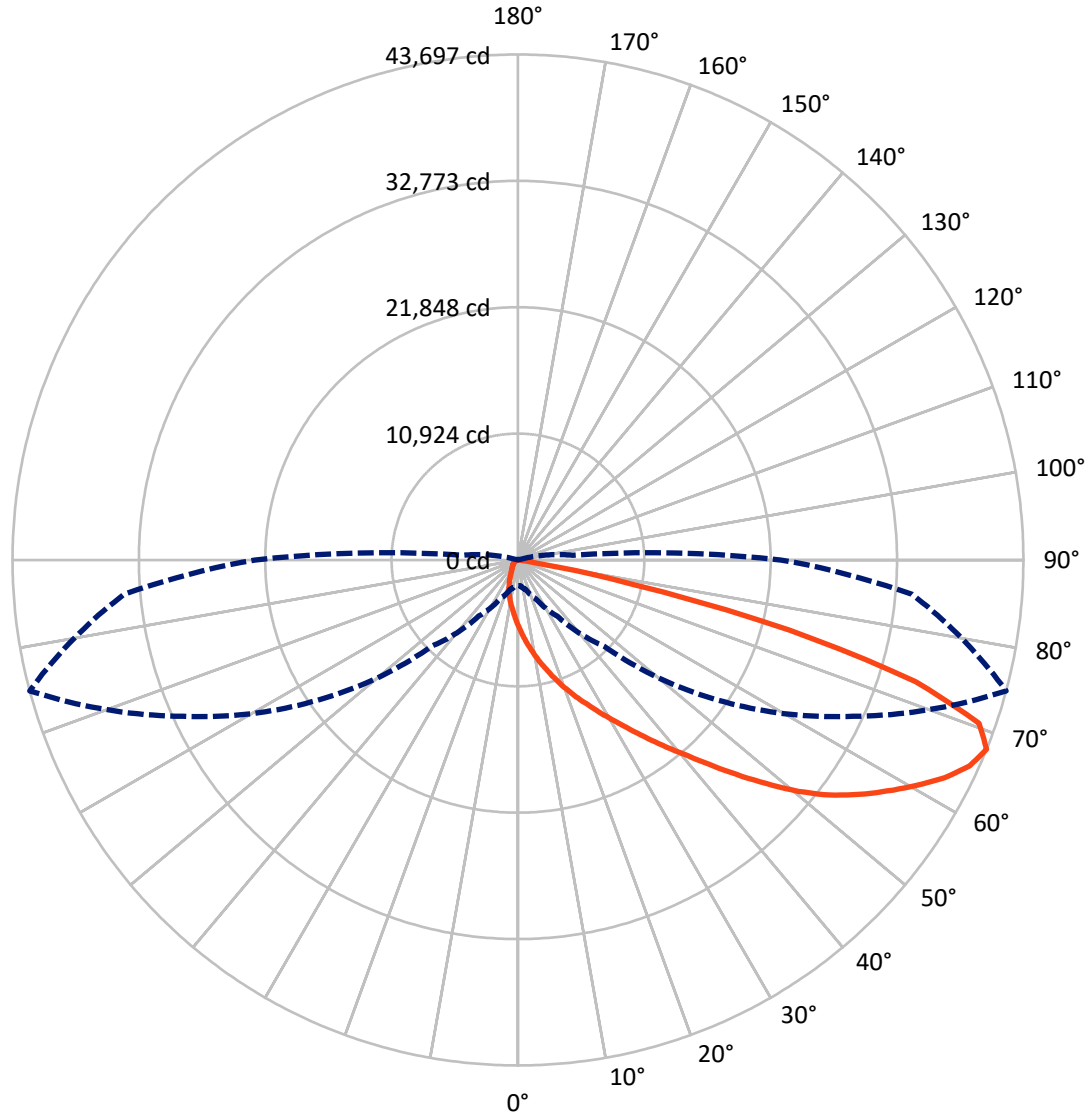
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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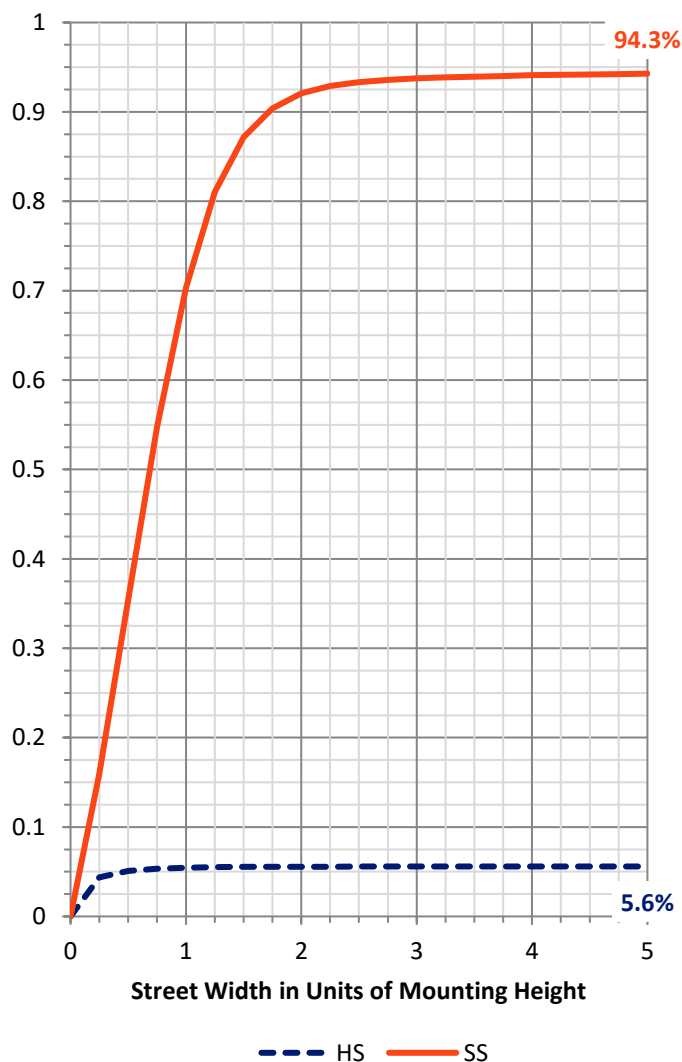
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2750.9	0.0	2750.9
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	46168.1	0.0	46168.1
	% Fixture	94.4	0.0	94.4
Total	Lumens	48919.0	0.0	48919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.5	1.1
10°-20°	1887.6	3.9
20°-30°	3754.3	7.7
30°-40°	6806.4	13.9
40°-50°	10190.3	20.8
50°-60°	11613.5	23.7
60°-70°	9865.4	20.2
70°-80°	4070.3	8.3
80°-90°	171.8	0.4
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°	48919.0	100.0
0°-180°	48919.0	100.0

Coefficient of Utilization

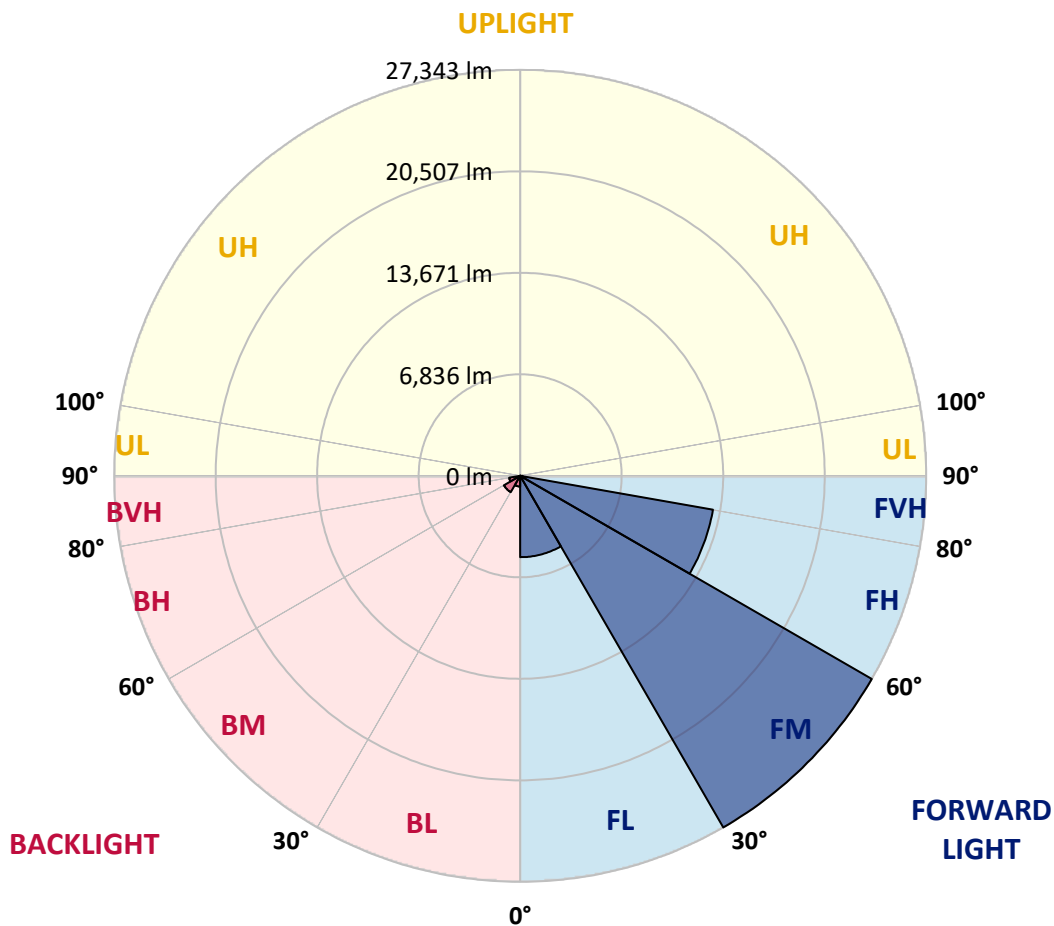


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5479.9	11.2			
FM (30°-60°)	27342.7	55.9			
FH (60°-80°)	13182.2	26.9			G5
FVH (80°-90°)	163.3	0.3			G2/225
BL (0°-30°)	721.5	1.5	B2/1000		
BM (30°-60°)	1267.5	2.6	B2/2500		
BH (60°-80°)	753.5	1.5	B2/1000		G2/1000
BVH (80°-90°)	8.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8
2.5°	7907.5	7812.3	7883.7	7800.4	7601.0	7352.5	7074.2	6723.0	6337.6	5952.2	5757.3
5°	9545.9	9350.9	9364.3	9258.7	9035.5	8702.1	8292.9	7697.7	7010.2	6239.4	5840.6
7.5°	10410.4	10243.8	10258.7	10182.8	10025.0	9746.8	9342.0	8636.7	7721.5	6596.5	5989.4
10°	11087.5	10983.3	11016.1	10971.4	10856.8	10633.6	10276.5	9565.2	8474.5	7025.1	6196.3
12.5°	11780.9	11669.3	11731.8	11714.0	11644.0	11487.8	11127.7	10480.4	9255.7	7496.8	6429.9
15°	12193.1	12054.7	12184.2	12315.1	12400.0	12344.9	12072.6	11397.0	10097.9	7996.8	6678.4
17.5°	12385.1	12270.5	12450.6	12675.3	12965.4	13121.7	12943.1	12359.8	10984.8	8548.9	6973.0
20°	12827.0	12722.9	12886.6	13123.2	13437.1	13760.0	13807.7	13352.3	11895.5	9144.1	7291.5
22.5°	13855.3	13736.2	13807.7	13849.3	14062.1	14368.7	14577.0	14359.7	12834.5	9773.5	7627.8
25°	15635.0	15463.9	15377.6	15082.9	15062.1	15151.4	15283.8	15374.6	13782.4	10425.3	7959.6
27.5°	18063.5	17838.8	17536.7	16803.1	16434.1	16222.8	16074.0	16390.9	14852.3	11054.8	8307.8
30°	20591.7	20309.0	19935.5	19048.6	18182.5	17623.0	17072.5	17432.6	15984.7	11804.7	8681.3
32.5°	22770.2	22442.8	21951.8	21050.0	20142.3	19277.8	18344.7	18484.6	17257.0	12638.1	9111.4
35°	24499.3	24103.5	23701.7	22807.4	21993.5	21075.3	19871.5	19596.2	18742.1	13584.5	9647.1
37.5°	25727.0	25305.9	24859.4	24082.7	23505.3	22887.8	21682.4	20907.2	20334.3	14691.6	10292.9
40°	26460.6	26015.7	25649.6	25090.1	24673.4	24497.8	23688.3	22445.8	22050.0	15983.2	11100.9
42.5°	26744.8	26313.3	26054.4	25648.1	25478.5	25738.9	25645.1	24375.8	24112.4	17532.3	12069.6
45°	26552.9	26157.0	26002.3	25814.8	25901.1	26613.9	27496.3	26491.8	26430.8	19271.8	13191.6
47.5°	25600.5	25288.0	25393.7	25542.5	25899.6	27109.4	28999.2	28758.1	28871.2	21262.8	14478.8
50°	23514.2	23338.7	23820.8	24582.7	25421.9	27229.9	30161.4	30909.9	31436.6	23366.9	15892.4
52.5°	19359.6	19474.2	21036.6	22672.0	24298.4	26910.0	30801.2	32784.8	33775.9	25279.1	17198.9
55°	14859.7	14801.7	16789.7	19803.0	22361.0	25969.5	30962.0	33917.2	35790.7	27104.9	18410.2
57.5°	11495.2	11447.6	12626.1	15966.8	19393.8	24241.9	30732.8	34616.6	37680.5	28848.9	19636.4
60°	8840.5	8812.3	9702.1	11914.9	15693.0	21742.0	29883.1	34952.9	39591.2	30746.2	20884.9
62.5°	6343.6	6380.8	7142.7	8853.9	12181.2	18234.6	28154.0	34743.1	41428.9	32429.2	22038.1
65°	3937.4	3979.1	4629.3	6168.0	8772.1	14219.9	25240.4	33836.9	42911.0	33674.7	22856.5
67.5°	2217.2	2238.0	2654.7	3739.5	5935.9	10532.5	21133.4	31970.9	43696.7	34198.5	22739.0
70°	1494.0	1501.4	1625.0	2061.0	3416.6	7081.7	15992.1	28524.5	42286.1	32457.5	20551.5
72.5°	1191.9	1196.4	1282.7	1386.9	1958.3	4388.3	10731.9	23094.6	35946.9	25727.0	15097.8
75°	880.9	900.3	1062.5	1122.0	1327.3	2397.3	5772.2	15135.0	24265.7	14449.0	8209.6
77.5°	741.1	745.5	797.6	925.6	1013.4	1360.1	1940.4	6688.8	10035.4	4269.2	2116.0
80°	501.5	501.5	593.7	680.0	772.3	895.8	766.3	1821.4	1858.6	689.0	392.8
82.5°	351.2	363.1	425.6	574.4	628.0	480.6	392.8	504.5	428.6	227.7	123.5
85°	96.7	119.0	291.7	427.1	334.8	145.8	236.6	199.4	147.3	84.8	52.1
87.5°	14.9	17.9	139.9	128.0	90.8	26.8	81.8	34.2	46.1	32.7	25.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8	5694.8
2.5°	5547.5	5160.6	4746.9	4385.3	4077.3	3796.0	3659.1	3470.1	3467.2	3334.7
5°	5422.5	4608.5	3885.3	3273.7	2785.6	2435.9	2220.2	2038.6	1953.8	1919.6
7.5°	5348.1	4154.6	3165.1	2419.6	1907.7	1613.1	1444.9	1376.5	1339.2	1321.4
10°	5330.2	3758.8	2549.0	1791.6	1419.6	1279.7	1223.2	1189.0	1175.6	1162.2
12.5°	5319.8	3369.0	2059.5	1418.1	1236.6	1156.2	1105.6	1068.4	1052.1	1040.2
15°	5313.8	2977.6	1656.2	1247.0	1129.4	1050.6	989.6	953.8	931.5	919.6
17.5°	5322.8	2626.4	1379.4	1151.8	1038.7	941.9	879.4	833.3	815.5	799.1
20°	5339.1	2269.3	1233.6	1065.4	940.5	834.8	769.3	720.2	694.9	686.0
22.5°	5346.6	1918.1	1133.9	971.7	837.8	729.1	660.7	619.0	596.7	587.8
25°	5325.7	1611.6	1038.7	872.0	736.6	632.4	565.5	531.2	519.3	510.4
27.5°	5276.6	1351.2	943.4	770.8	644.3	550.6	495.5	464.3	455.3	453.9
30°	5194.8	1148.8	848.2	678.6	562.5	480.6	433.0	407.7	403.3	400.3
32.5°	5118.9	1011.9	760.4	599.7	494.0	419.6	378.0	361.6	358.6	358.6
35°	5040.0	909.2	674.1	528.3	433.0	369.0	334.8	319.9	322.9	321.4
37.5°	4980.5	819.9	607.1	470.2	379.5	321.4	291.7	281.2	287.2	287.2
40°	4944.8	748.5	538.7	416.7	331.8	279.8	254.5	247.0	257.4	258.9
42.5°	4943.3	680.0	483.6	367.5	288.7	244.0	221.7	214.3	226.2	229.2
45°	4971.6	626.5	430.0	321.4	253.0	211.3	187.5	180.1	193.4	194.9
47.5°	5087.7	581.8	382.4	282.7	221.7	183.0	154.8	147.3	162.2	163.7
50°	5279.6	522.3	330.3	247.0	193.4	154.8	125.0	119.0	135.4	136.9
52.5°	5461.2	465.8	282.7	212.8	168.2	128.0	99.7	96.7	113.1	116.1
55°	5541.5	409.2	242.6	183.0	145.8	105.7	78.9	80.4	96.7	99.7
57.5°	5584.7	361.6	209.8	157.7	126.5	86.3	67.0	68.5	83.3	86.3
60°	5618.9	314.0	184.5	138.4	110.1	72.9	58.0	56.5	68.5	71.4
62.5°	5601.0	269.3	162.2	120.5	93.7	64.0	49.1	44.6	52.1	53.6
65°	5374.9	233.6	139.9	102.7	80.4	53.6	38.7	26.8	31.2	32.7
67.5°	4740.9	205.4	119.0	87.8	65.5	46.1	28.3	17.9	20.8	22.3
70°	3538.6	175.6	96.7	72.9	53.6	37.2	20.8	11.9	14.9	16.4
72.5°	1912.2	144.3	77.4	56.5	40.2	28.3	13.4	7.4	8.9	8.9
75°	790.2	104.2	58.0	38.7	28.3	20.8	10.4	3.0	3.0	3.0
77.5°	293.1	64.0	37.2	29.8	22.3	16.4	7.4	1.5	0.0	0.0
80°	133.9	34.2	28.3	23.8	17.9	13.4	6.0	0.0	0.0	0.0
82.5°	62.5	23.8	22.3	19.3	14.9	10.4	4.5	0.0	0.0	0.0
85°	29.8	19.3	20.8	17.9	14.9	8.9	3.0	0.0	0.0	0.0
87.5°	17.9	20.8	20.8	17.9	14.9	8.9	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)