

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: P484344

Luminaire Tested: **IFLD-L-SA7B-730-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484344
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-730-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

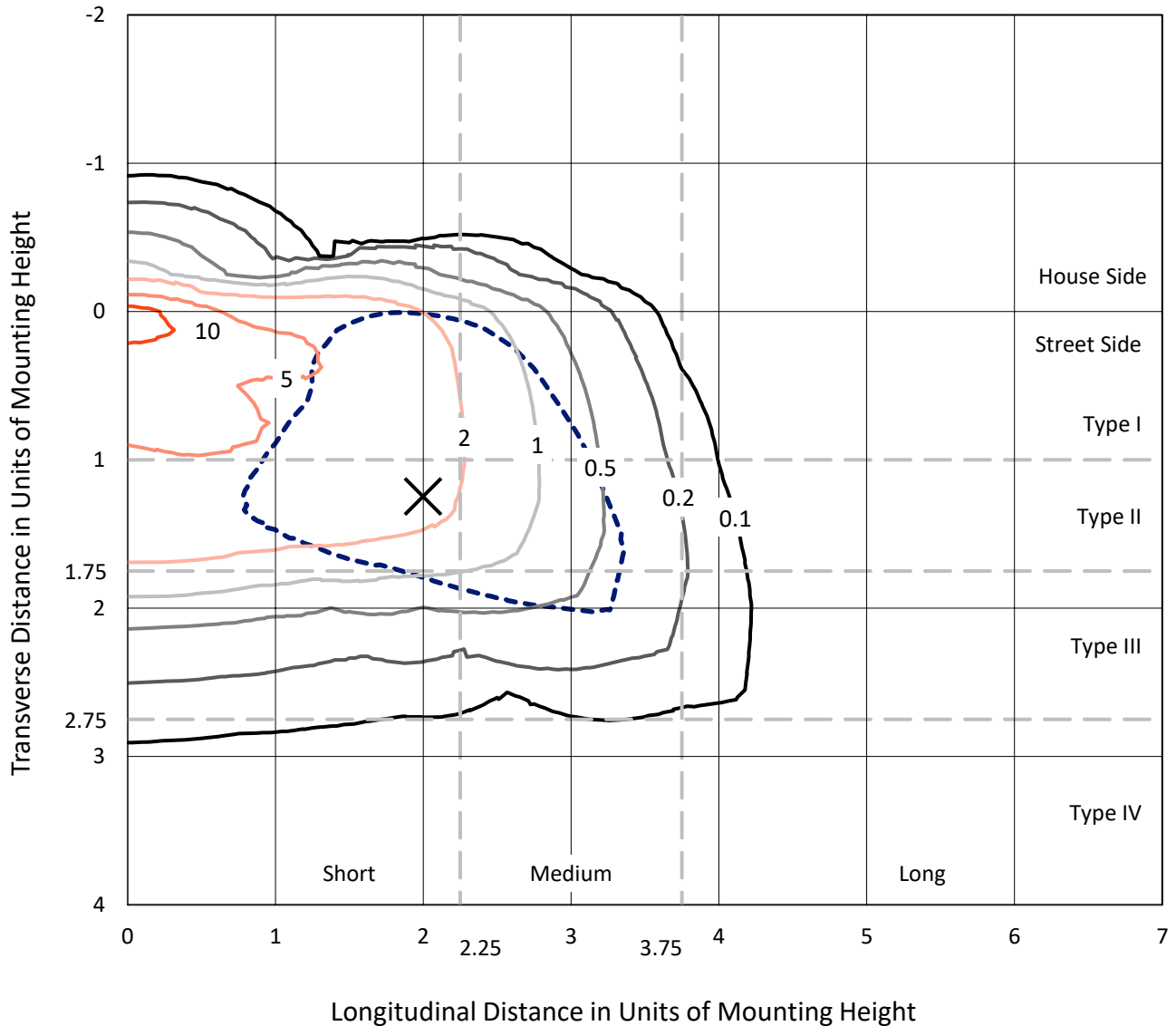
Lumens per Lamp: N/A
Luminaire Lumens: 27119.7 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 281
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

REPORT NUMBER: P484344
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

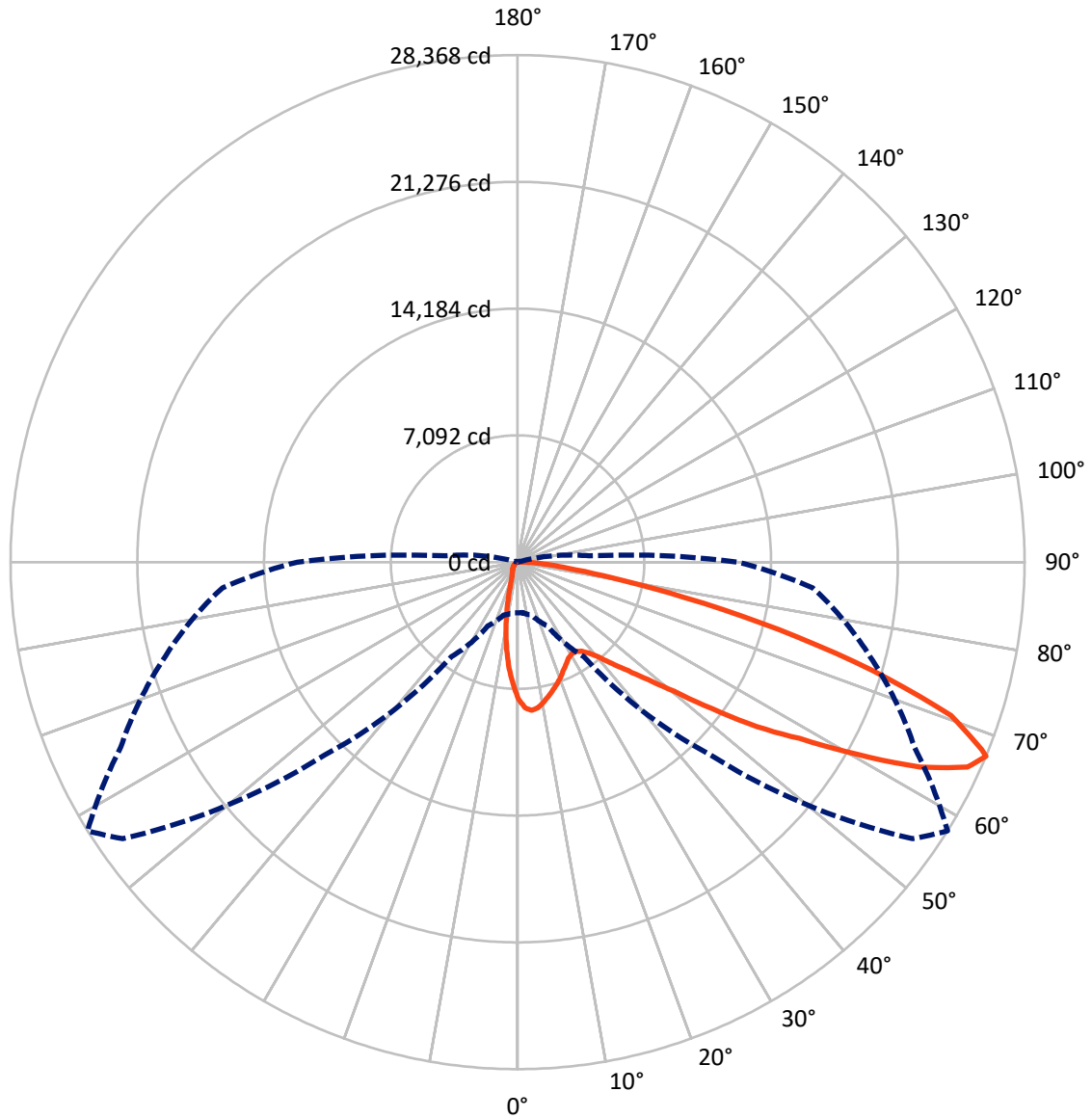
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - N/A

REPORT NUMBER: P484344
CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484344
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2241.6	0.0	2241.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	24878.1	0.0	24878.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	27119.7	0.0	27119.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.6	2.2
10°-20°	1264.5	4.7
20°-30°	1677.7	6.2
30°-40°	2324.8	8.6
40°-50°	3793.4	14.0
50°-60°	6667.6	24.6
60°-70°	7384.9	27.2
70°-80°	3060.3	11.3
80°-90°	336.9	1.2
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°	27119.7	100.0
0°-180°	27119.7	100.0

Coefficient of Utilization



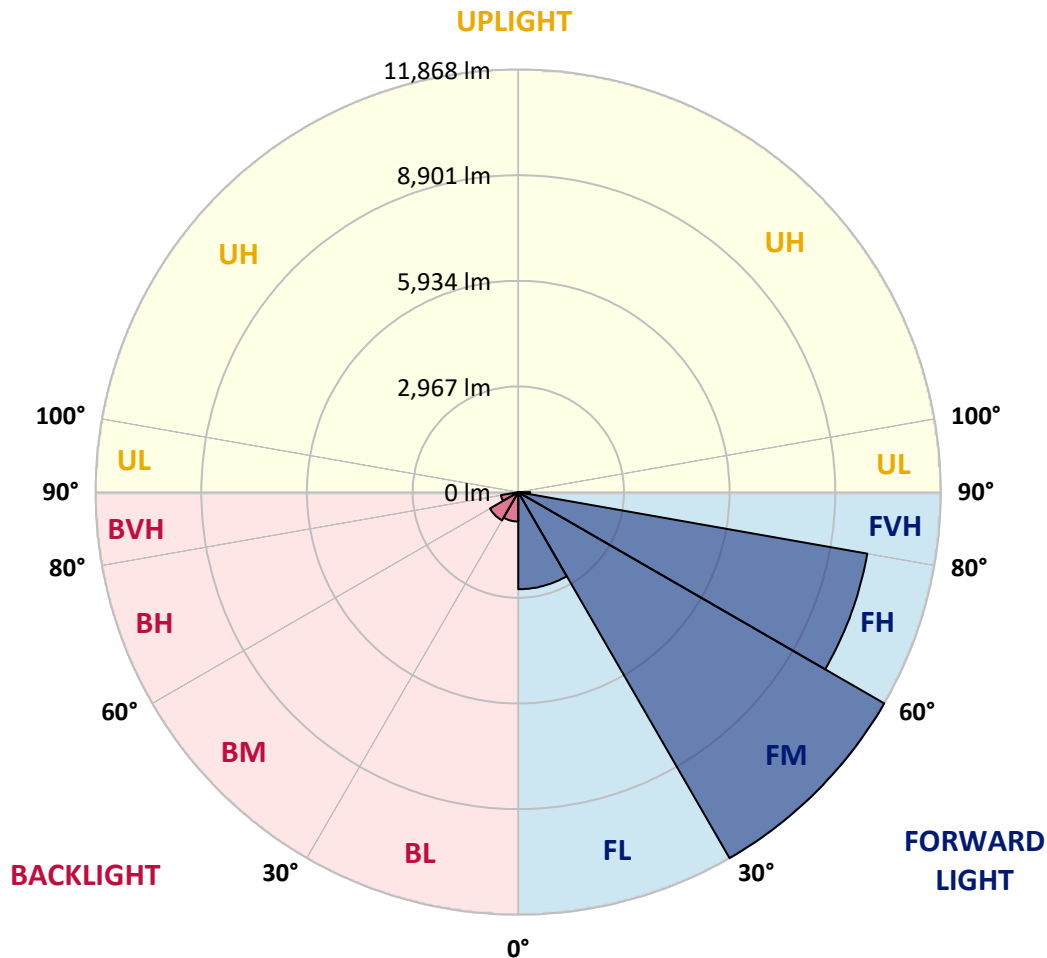
REPORT NUMBER: P484344
 CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2726.3	10.1			
FM (30°-60°)	11868.1	43.8			
FH (60°-80°)	9952.3	36.7			G4/12000
FVH (80°-90°)	331.3	1.2			G3/500
BL (0°-30°)	825.6	3.0	B2/1000		
BM (30°-60°)	917.6	3.4	B1/1000		
BH (60°-80°)	492.8	1.8	B1/500		G1/500
BVH (80°-90°)	5.5	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-G4

Type III Short





REPORT NUMBER: P484344

CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4
2.5°	8360.3	8389.1	8414.3	8367.5	8407.1	8349.5	8201.8	8169.4	8144.2	7924.6	7798.6
5°	8356.7	8324.3	8349.5	8371.1	8317.1	8360.3	8324.3	8327.9	8230.6	8032.6	7679.8
7.5°	7798.6	7784.2	7798.6	7903.0	8021.8	8115.4	8169.4	8223.4	8158.6	7863.4	7521.4
10°	7046.1	7118.1	7157.7	7344.9	7528.6	7701.4	7870.6	7971.4	7953.4	7834.6	7348.5
12.5°	6520.4	6498.8	6642.8	6765.3	6948.9	7298.1	7593.4	7687.0	7795.0	7629.4	7121.7
15°	6034.4	5976.8	6063.2	6275.6	6588.8	6866.1	7280.1	7420.5	7557.4	7600.6	6999.3
17.5°	5569.9	5598.7	5688.7	5879.5	6174.8	6563.6	6952.5	7154.1	7481.8	7424.1	6815.7
20°	5346.7	5407.9	5440.3	5537.5	5742.7	6131.6	6711.3	6873.3	7222.5	7420.5	6635.6
22.5°	5357.5	5357.5	5281.9	5339.5	5526.7	5829.1	6383.6	6563.6	7118.1	7233.3	6473.6
25°	5472.7	5400.7	5404.3	5335.9	5415.1	5580.7	6088.4	6308.0	6905.7	7251.3	6387.2
27.5°	5559.1	5544.7	5523.1	5505.1	5404.3	5429.5	5893.9	6074.0	6822.9	7229.7	6254.0
30°	5872.3	5807.5	5785.9	5746.3	5613.1	5490.7	5739.1	5966.0	6758.1	7280.1	6178.4
32.5°	6135.2	6146.0	6164.0	6048.8	5933.6	5631.1	5782.3	5962.4	6711.3	7395.3	6254.0
35°	6466.4	6513.2	6520.4	6484.4	6362.0	6063.2	5962.4	6117.2	6790.5	7600.6	6261.2
37.5°	6970.5	6920.1	7056.9	7071.3	6984.9	6588.8	6380.0	6441.2	7024.5	7928.2	6534.8
40°	7298.1	7359.3	7615.0	7773.4	7625.8	7265.7	6984.9	6974.1	7362.9	8443.1	6873.3
42.5°	7661.8	7798.6	8079.4	8421.5	8403.5	8068.6	7784.2	7737.4	7964.2	9188.4	7409.7
45°	8158.6	8281.1	8673.5	9188.4	9469.2	9184.8	8756.3	8662.7	8695.1	10203.7	8324.3
47.5°	8983.1	8950.7	9516.0	10023.7	10484.5	10264.9	10081.3	9807.6	9782.4	11399.0	9588.0
50°	9915.7	9908.5	10412.5	10988.6	11521.5	11949.9	11643.9	11345.0	11352.2	13022.9	11075.0
52.5°	10801.4	10941.8	11485.5	12057.9	12972.4	13433.3	13728.5	13609.7	13037.3	14473.8	12666.4
55°	11269.4	11391.8	11931.9	12918.4	14362.2	15546.8	16346.1	16245.3	15139.9	16108.4	14236.2
57.5°	10826.6	10909.4	11640.3	12932.8	15334.3	17977.1	18744.0	18618.0	17314.6	17357.8	16133.6
60°	8972.3	9102.0	10189.3	11705.1	14956.3	19849.3	22045.6	21854.8	19294.9	18938.4	17354.2
62.5°	6214.4	6300.8	7193.7	9080.4	13163.3	20501.0	25163.6	25268.0	21383.1	20169.8	17717.9
65°	4025.3	4018.1	4529.4	5807.5	9328.8	18528.0	27007.0	27655.1	23399.4	20357.0	17606.2
67°	2844.4	2833.6	3074.8	3938.9	6459.2	15265.9	26974.6	28368.0	24493.9	20411.0	16572.9
67.5°	2624.7	2613.9	2844.4	3622.1	5829.1	14196.6	26571.4	28000.8	24879.2	20335.4	16119.2
70°	2037.9	2009.1	2095.5	2495.1	3395.2	9181.2	22740.5	25721.7	24079.9	18448.7	12871.6
72.5°	1472.6	1505.0	1641.8	2048.7	2664.3	4939.8	17332.6	20799.8	20112.2	13905.0	8180.2
75°	1026.1	1054.9	1274.6	1670.6	2444.7	2995.6	11719.5	15085.9	14009.4	7676.2	3485.2
77.5°	536.5	572.5	813.7	1335.8	2221.5	2318.7	7002.9	9566.4	7424.1	2732.7	961.3
80°	248.4	266.4	406.9	946.9	1857.8	2037.9	4082.9	5321.5	2970.4	612.1	331.2
82.5°	108.0	118.8	187.2	543.7	1317.8	1782.2	2527.5	2790.4	1076.5	198.0	205.2
85°	21.6	25.2	72.0	288.0	637.3	1080.1	1775.0	1656.2	540.1	97.2	162.0
87.5°	0.0	0.0	18.0	82.8	172.8	320.4	752.5	752.5	165.6	50.4	61.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484344

CATALOG NUMBER: IFLD-L-SA7B-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4	7683.4
2.5°	7687.0	7557.4	7272.9	7010.1	6822.9	6610.4	6329.6	6203.6	6156.8	6092.0	5994.8
5°	7485.4	7326.9	6840.9	6351.2	5814.7	5407.9	4975.8	4723.8	4533.0	4414.2	4374.6
7.5°	7200.9	6876.9	6221.6	5436.7	4741.8	4136.9	3481.6	3038.8	2754.3	2639.1	2531.1
10°	6974.1	6552.8	5555.5	4579.8	3654.5	2768.8	2030.7	1641.8	1346.6	1235.0	1220.6
12.5°	6678.8	6174.8	4932.6	3704.9	2541.9	1649.0	1123.3	975.7	892.9	878.5	867.7
15°	6434.0	5832.7	4342.2	2869.6	1645.4	1029.7	874.9	838.9	817.3	810.1	813.7
17.5°	6268.4	5465.5	3737.3	2088.3	1083.7	842.5	806.5	784.9	774.1	770.5	759.7
20°	5940.8	5155.9	3139.6	1461.8	846.1	777.7	748.9	730.9	720.1	716.5	712.9
22.5°	5753.5	4763.4	2541.9	1018.9	752.5	705.7	684.1	669.7	651.7	640.9	637.3
25°	5566.3	4475.4	2009.1	792.1	684.1	651.7	619.3	601.3	572.5	558.1	554.5
27.5°	5346.7	4190.9	1548.2	687.7	615.7	583.3	550.9	522.1	486.1	471.7	464.5
30°	5220.7	3913.7	1166.5	615.7	565.3	522.1	482.5	446.5	406.9	381.6	374.4
32.5°	5155.9	3661.7	874.9	561.7	511.3	464.5	414.1	370.8	334.8	313.2	309.6
35°	5076.6	3416.8	687.7	511.3	460.9	410.5	360.0	316.8	280.8	262.8	255.6
37.5°	5159.5	3272.8	572.5	471.7	421.3	363.6	309.6	266.4	237.6	219.6	216.0
40°	5386.3	3154.0	496.9	435.7	381.6	320.4	270.0	226.8	201.6	187.2	180.0
42.5°	5735.5	3154.0	450.1	399.7	345.6	280.8	230.4	198.0	172.8	158.4	154.8
45°	6369.2	3251.2	410.5	363.6	302.4	241.2	198.0	165.6	140.4	126.0	122.4
47.5°	7258.5	3474.4	378.0	331.2	270.0	212.4	172.8	140.4	115.2	100.8	97.2
50°	8453.9	3982.1	345.6	291.6	241.2	183.6	144.0	111.6	90.0	75.6	72.0
52.5°	9944.5	4702.2	313.2	270.0	205.2	154.8	115.2	90.0	68.4	57.6	54.0
55°	11521.5	5584.3	273.6	241.2	176.4	129.6	93.6	68.4	50.4	43.2	39.6
57.5°	13109.3	6264.8	241.2	208.8	144.0	104.4	75.6	54.0	36.0	28.8	25.2
60°	13951.8	6329.6	208.8	172.8	115.2	82.8	57.6	39.6	25.2	18.0	14.4
62.5°	14081.4	5753.5	180.0	140.4	93.6	64.8	39.6	28.8	14.4	7.2	7.2
65°	13415.3	4795.8	154.8	111.6	72.0	46.8	28.8	18.0	7.2	3.6	0.0
67°	12335.2	4018.1	133.2	93.6	57.6	36.0	21.6	10.8	3.6	0.0	0.0
67.5°	11917.5	3802.1	126.0	86.4	54.0	32.4	18.0	10.8	3.6	0.0	0.0
70°	9249.6	2714.7	93.6	61.2	39.6	25.2	14.4	7.2	0.0	0.0	0.0
72.5°	5667.1	1587.8	72.0	43.2	28.8	18.0	10.8	3.6	0.0	0.0	0.0
75°	2376.3	547.3	61.2	32.4	21.6	10.8	7.2	3.6	0.0	0.0	0.0
77.5°	619.3	205.2	43.2	21.6	14.4	10.8	7.2	3.6	0.0	0.0	0.0
80°	252.0	93.6	28.8	14.4	14.4	10.8	7.2	3.6	0.0	0.0	0.0
82.5°	165.6	43.2	18.0	14.4	10.8	7.2	3.6	0.0	0.0	0.0	0.0
85°	126.0	25.2	10.8	10.8	7.2	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	54.0	14.4	10.8	7.2	7.2	0.0	0.0	0.0	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	0.0

(END OF REPORT)