

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: P484374

Luminaire Tested: **IFLD-S-SA6C-735-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484374  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-735-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3  
distribution lens with House Side Shield  
Light Source: (96) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

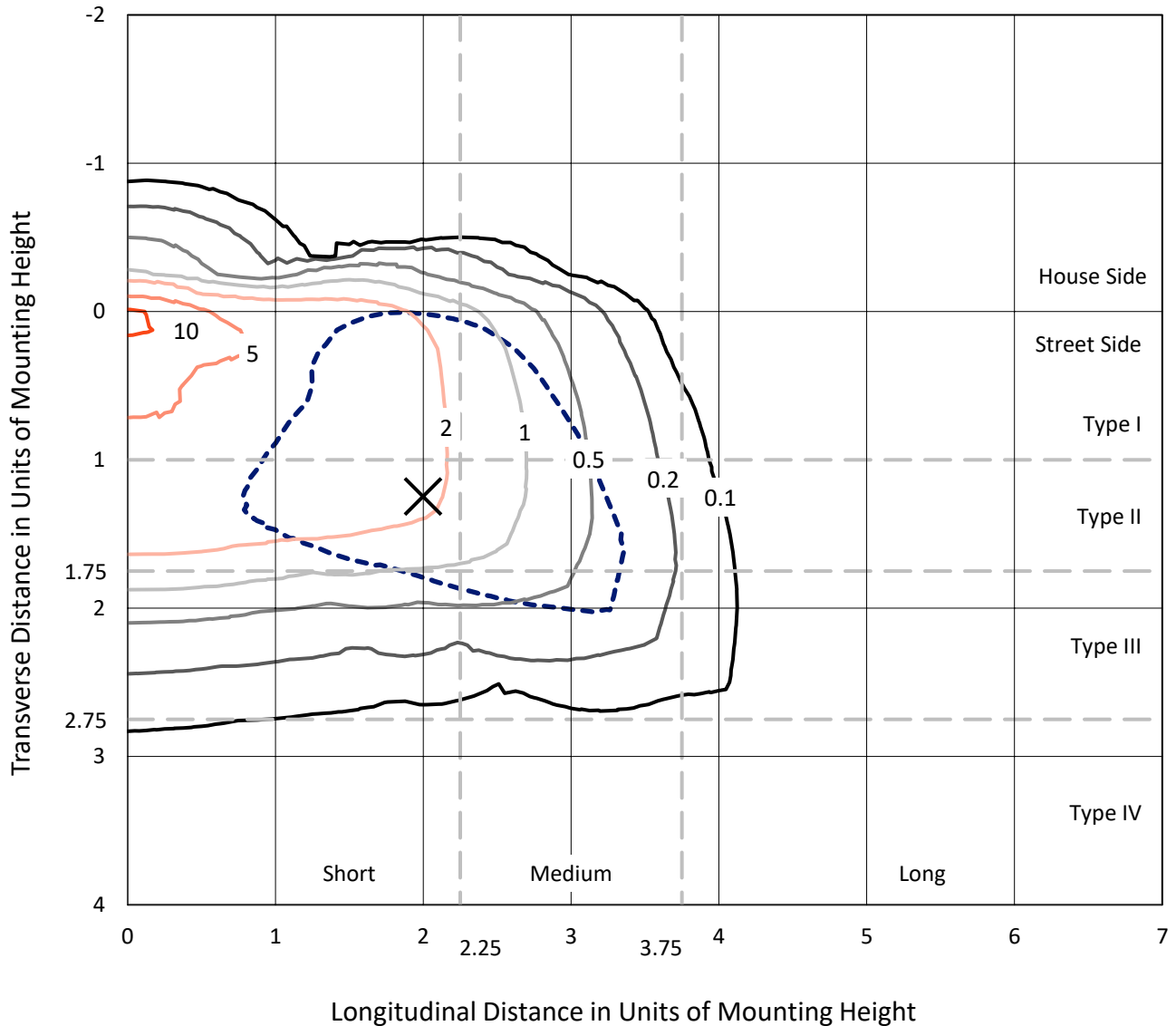
Lumens per Lamp: N/A  
Luminaire Lumens: 34273.6 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5  
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: P484374  
 CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

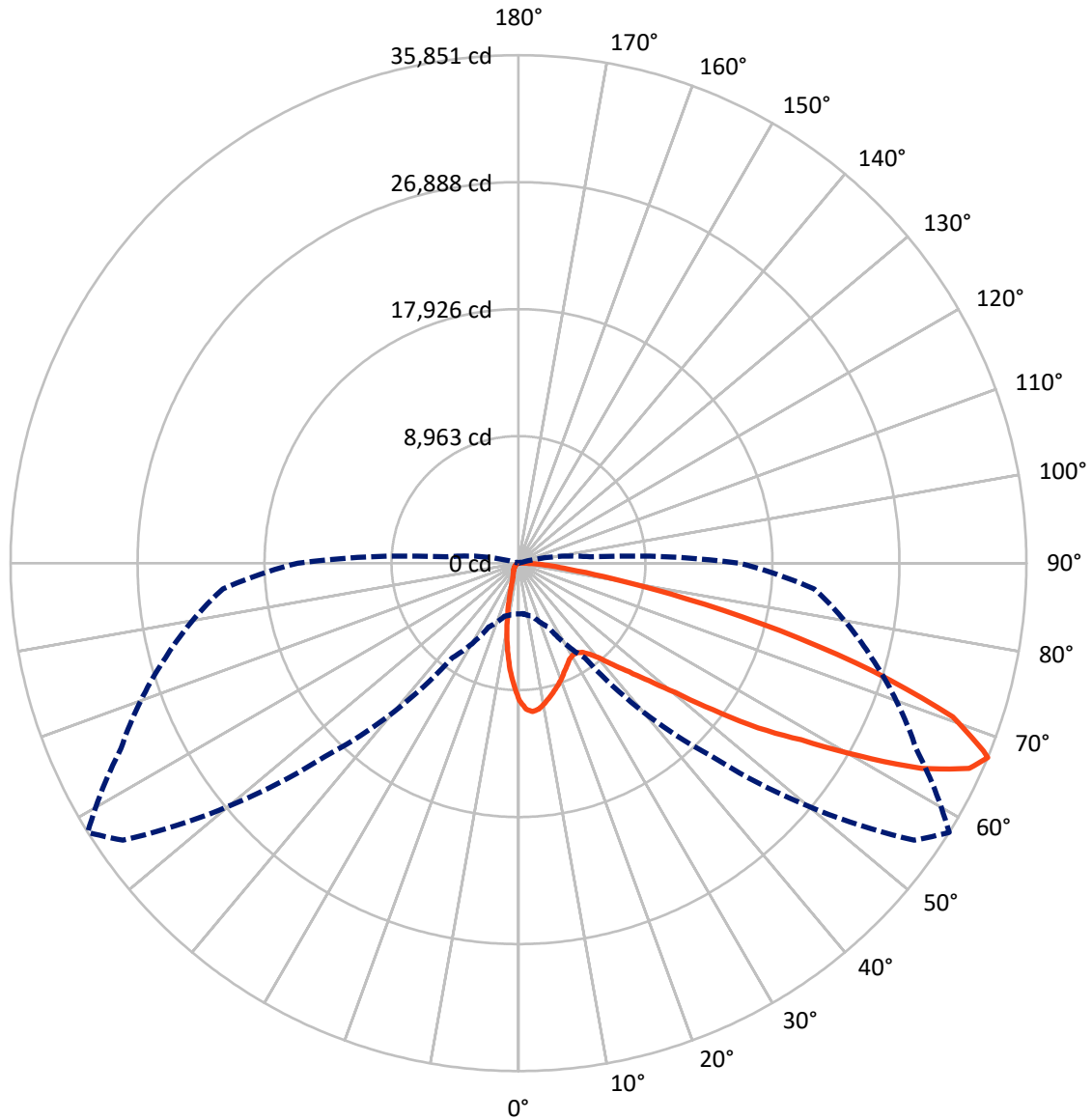
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P484374  
CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P484374  
 CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2833.0	0.0	2833.0
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	31440.6	0.0	31440.6
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	34273.6	0.0	34273.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	770.5	2.2
10°-20°	1598.1	4.7
20°-30°	2120.3	6.2
30°-40°	2938.0	8.6
40°-50°	4794.0	14.0
50°-60°	8426.4	24.6
60°-70°	9332.9	27.2
70°-80°	3867.6	11.3
80°-90°	425.8	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°	34273.6	100.0
0°-180°	34273.6	100.0



REPORT NUMBER: P484374

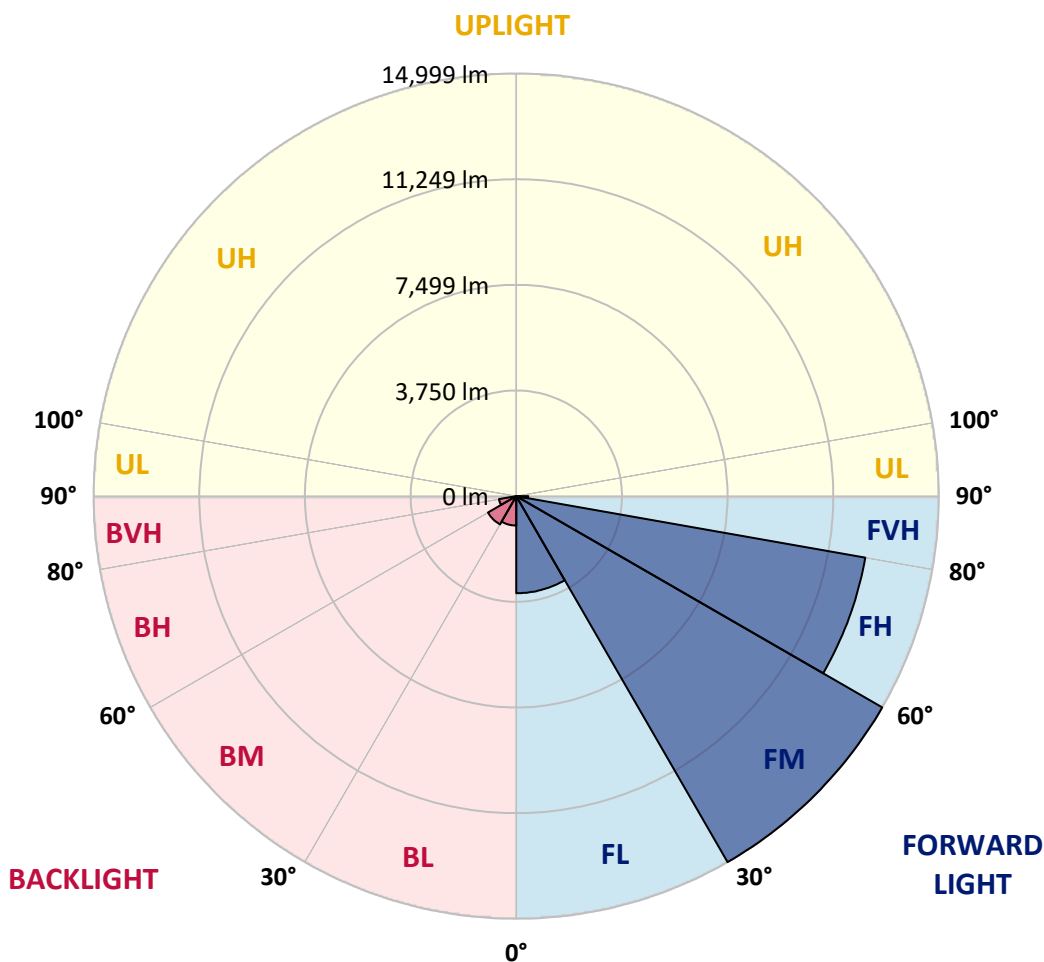
CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3445.4	10.1			
FM	(30°-60°)	14998.8	43.8			
FH	(60°-80°)	12577.6	36.7			G5
FVH	(80°-90°)	418.7	1.2			G3/500
BL	(0°-30°)	1043.4	3.0	B3/2500		
BM	(30°-60°)	1159.7	3.4	B2/2500		
BH	(60°-80°)	622.9	1.8	B2/1000		G2/1000
BVH	(80°-90°)	7.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short





REPORT NUMBER: P484374

CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2
2.5°	10565.6	10602.0	10633.8	10574.7	10624.7	10551.9	10365.4	10324.4	10292.6	10015.0	9855.8
5°	10561.0	10520.1	10551.9	10579.2	10511.0	10565.6	10520.1	10524.6	10401.8	10151.5	9705.6
7.5°	9855.8	9837.6	9855.8	9987.7	10137.9	10256.2	10324.4	10392.7	10310.8	9937.7	9505.4
10°	8904.8	8995.8	9045.8	9282.4	9514.5	9732.9	9946.8	10074.2	10051.4	9901.3	9287.0
12.5°	8240.4	8213.1	8395.1	8549.9	8781.9	9223.3	9596.4	9714.7	9851.2	9641.9	9000.3
15°	7626.2	7553.4	7662.6	7931.0	8326.9	8677.3	9200.5	9378.0	9550.9	9605.5	8845.6
17.5°	7039.2	7075.6	7189.3	7430.5	7803.6	8295.0	8786.5	9041.3	9455.3	9382.5	8613.6
20°	6757.1	6834.4	6875.4	6998.2	7257.6	7749.0	8481.6	8686.4	9127.7	9378.0	8386.0
22.5°	6770.7	6770.7	6675.2	6748.0	6984.6	7366.8	8067.5	8295.0	8995.8	9141.4	8181.3
25°	6916.3	6825.3	6829.9	6743.4	6843.5	7052.8	7694.4	7972.0	8727.3	9164.1	8072.1
27.5°	7025.5	7007.3	6980.0	6957.3	6829.9	6861.7	7448.7	7676.2	8622.7	9136.8	7903.7
30°	7421.4	7339.5	7312.2	7262.1	7093.8	6939.1	7253.0	7539.7	8540.8	9200.5	7808.2
32.5°	7753.6	7767.2	7790.0	7644.4	7498.8	7116.5	7307.6	7535.2	8481.6	9346.1	7903.7
35°	8172.2	8231.3	8240.4	8194.9	8040.2	7662.6	7535.2	7730.8	8581.7	9605.5	7912.8
37.5°	8809.2	8745.5	8918.4	8936.6	8827.4	8326.9	8063.0	8140.3	8877.5	10019.6	8258.6
40°	9223.3	9300.6	9623.7	9823.9	9637.4	9182.3	8827.4	8813.8	9305.2	10670.3	8686.4
42.5°	9682.9	9855.8	10210.7	10642.9	10620.2	10197.0	9837.6	9778.4	10065.1	11612.1	9364.3
45°	10310.8	10465.5	10961.5	11612.1	11967.1	11607.6	11066.1	10947.8	10988.8	12895.3	10520.1
47.5°	11352.8	11311.8	12026.2	12667.8	13250.2	12972.7	12740.6	12394.8	12362.9	14406.0	12117.2
50°	12531.3	12522.2	13159.2	13887.3	14560.7	15102.2	14715.4	14337.7	14346.8	16458.1	13996.5
52.5°	13650.6	13828.1	14515.2	15238.7	16394.4	16976.8	17350.0	17199.8	16476.3	18291.9	16007.7
55°	14242.2	14396.9	15079.4	16326.2	18150.8	19647.8	20658.0	20530.6	19133.6	20357.7	17991.5
57.5°	13682.5	13787.1	14710.8	16344.4	19379.4	22719.2	23688.4	23529.2	21882.0	21936.6	20389.5
60°	11339.1	11502.9	12877.1	14792.7	18901.6	25085.3	27861.0	27619.8	24384.6	23934.1	21932.0
62.5°	7853.7	7962.9	9091.3	11475.6	16635.6	25908.9	31801.4	31933.4	27023.7	25490.3	22391.6
65°	5087.1	5078.0	5724.2	7339.5	11789.6	23415.4	34131.2	34950.2	29571.8	25726.9	22250.5
67°	3594.7	3581.0	3885.9	4977.9	8163.1	19292.9	34090.2	35851.1	30955.1	25795.2	20944.6
67.5°	3317.1	3303.5	3594.7	4577.5	7366.8	17941.5	33580.6	35387.0	31442.0	25699.6	20371.3
70°	2575.4	2539.0	2648.2	3153.3	4290.9	11603.0	28739.1	32506.7	30431.8	23315.3	16267.0
72.5°	1861.0	1902.0	2074.9	2589.1	3367.2	6242.9	21904.7	26286.6	25417.5	17572.9	10338.1
75°	1296.8	1333.2	1610.8	2111.3	3089.6	3785.8	14810.9	19065.4	17704.9	9701.1	4404.6
77.5°	678.0	723.5	1028.3	1688.1	2807.5	2930.3	8850.2	12089.9	9382.5	3453.6	1214.9
80°	314.0	336.7	514.2	1196.7	2347.9	2575.4	5159.9	6725.2	3753.9	773.5	418.6
82.5°	136.5	150.2	236.6	687.1	1665.4	2252.4	3194.2	3526.4	1360.5	250.3	259.4
85°	27.3	31.9	91.0	364.0	805.4	1365.1	2243.3	2093.1	682.5	122.9	204.8
87.5°	0.0	0.0	22.8	104.7	218.4	405.0	951.0	951.0	209.3	63.7	77.4
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: P484374

CATALOG NUMBER: IFLD-S-SA6C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2	9710.2
2.5°	9714.7	9550.9	9191.4	8859.3	8622.7	8354.2	7999.3	7840.0	7780.9	7699.0	7576.1
5°	9459.9	9259.7	8645.4	8026.6	7348.6	6834.4	6288.4	5969.9	5728.7	5578.6	5528.5
7.5°	9100.4	8690.9	7862.8	6870.8	5992.6	5228.2	4400.1	3840.4	3480.9	3335.3	3198.8
10°	8813.8	8281.4	7021.0	5787.9	4618.5	3499.1	2566.3	2074.9	1701.8	1560.7	1542.5
12.5°	8440.6	7803.6	6233.8	4682.2	3212.5	2084.0	1419.7	1233.1	1128.5	1110.3	1096.6
15°	8131.2	7371.3	5487.6	3626.5	2079.4	1301.4	1105.7	1060.2	1032.9	1023.8	1028.3
17.5°	7921.9	6907.2	4723.1	2639.1	1369.6	1064.7	1019.2	991.9	978.3	973.7	960.1
20°	7507.9	6515.9	3967.8	1847.4	1069.3	982.8	946.4	923.7	910.0	905.5	900.9
22.5°	7271.2	6019.9	3212.5	1287.7	951.0	891.8	864.5	846.3	823.6	809.9	805.4
25°	7034.6	5655.9	2539.0	1001.0	864.5	823.6	782.6	759.9	723.5	705.3	700.7
27.5°	6757.1	5296.4	1956.6	869.1	778.1	737.1	696.2	659.8	614.3	596.1	587.0
30°	6597.8	4946.1	1474.3	778.1	714.4	659.8	609.7	564.2	514.2	482.3	473.2
32.5°	6515.9	4627.6	1105.7	709.8	646.1	587.0	523.3	468.7	423.2	395.9	391.3
35°	6415.8	4318.2	869.1	646.1	582.4	518.7	455.0	400.4	354.9	332.2	323.1
37.5°	6520.5	4136.1	723.5	596.1	532.4	459.6	391.3	336.7	300.3	277.6	273.0
40°	6807.1	3986.0	627.9	550.6	482.3	405.0	341.3	286.7	254.8	236.6	227.5
42.5°	7248.5	3986.0	568.8	505.1	436.8	354.9	291.2	250.3	218.4	200.2	195.7
45°	8049.3	4108.8	518.7	459.6	382.2	304.9	250.3	209.3	177.5	159.3	154.7
47.5°	9173.2	4391.0	477.8	418.6	341.3	268.5	218.4	177.5	145.6	127.4	122.9
50°	10683.9	5032.5	436.8	368.6	304.9	232.1	182.0	141.1	113.8	95.6	91.0
52.5°	12567.7	5942.6	395.9	341.3	259.4	195.7	145.6	113.8	86.5	72.8	68.3
55°	14560.7	7057.4	345.8	304.9	223.0	163.8	118.3	86.5	63.7	54.6	50.1
57.5°	16567.3	7917.4	304.9	263.9	182.0	132.0	95.6	68.3	45.5	36.4	31.9
60°	17632.1	7999.3	263.9	218.4	145.6	104.7	72.8	50.1	31.9	22.8	18.2
62.5°	17795.9	7271.2	227.5	177.5	118.3	81.9	50.1	36.4	18.2	9.1	9.1
65°	16954.1	6060.9	195.7	141.1	91.0	59.2	36.4	22.8	9.1	4.6	0.0
67°	15589.0	5078.0	168.4	118.3	72.8	45.5	27.3	13.7	4.6	0.0	0.0
67.5°	15061.2	4805.0	159.3	109.2	68.3	41.0	22.8	13.7	4.6	0.0	0.0
70°	11689.5	3430.9	118.3	77.4	50.1	31.9	18.2	9.1	0.0	0.0	0.0
72.5°	7162.0	2006.6	91.0	54.6	36.4	22.8	13.7	4.6	0.0	0.0	0.0
75°	3003.1	691.6	77.4	41.0	27.3	13.7	9.1	4.6	0.0	0.0	0.0
77.5°	782.6	259.4	54.6	27.3	18.2	13.7	9.1	4.6	0.0	0.0	0.0
80°	318.5	118.3	36.4	18.2	18.2	13.7	9.1	4.6	0.0	0.0	0.0
82.5°	209.3	54.6	22.8	18.2	13.7	9.1	4.6	0.0	0.0	0.0	0.0
85°	159.3	31.9	13.7	13.7	9.1	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	68.3	18.2	13.7	9.1	9.1	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)