

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: P481223

Luminaire Tested: **IFLD-L-SA7A-730-U-RW**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481223
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-730-U-RW
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

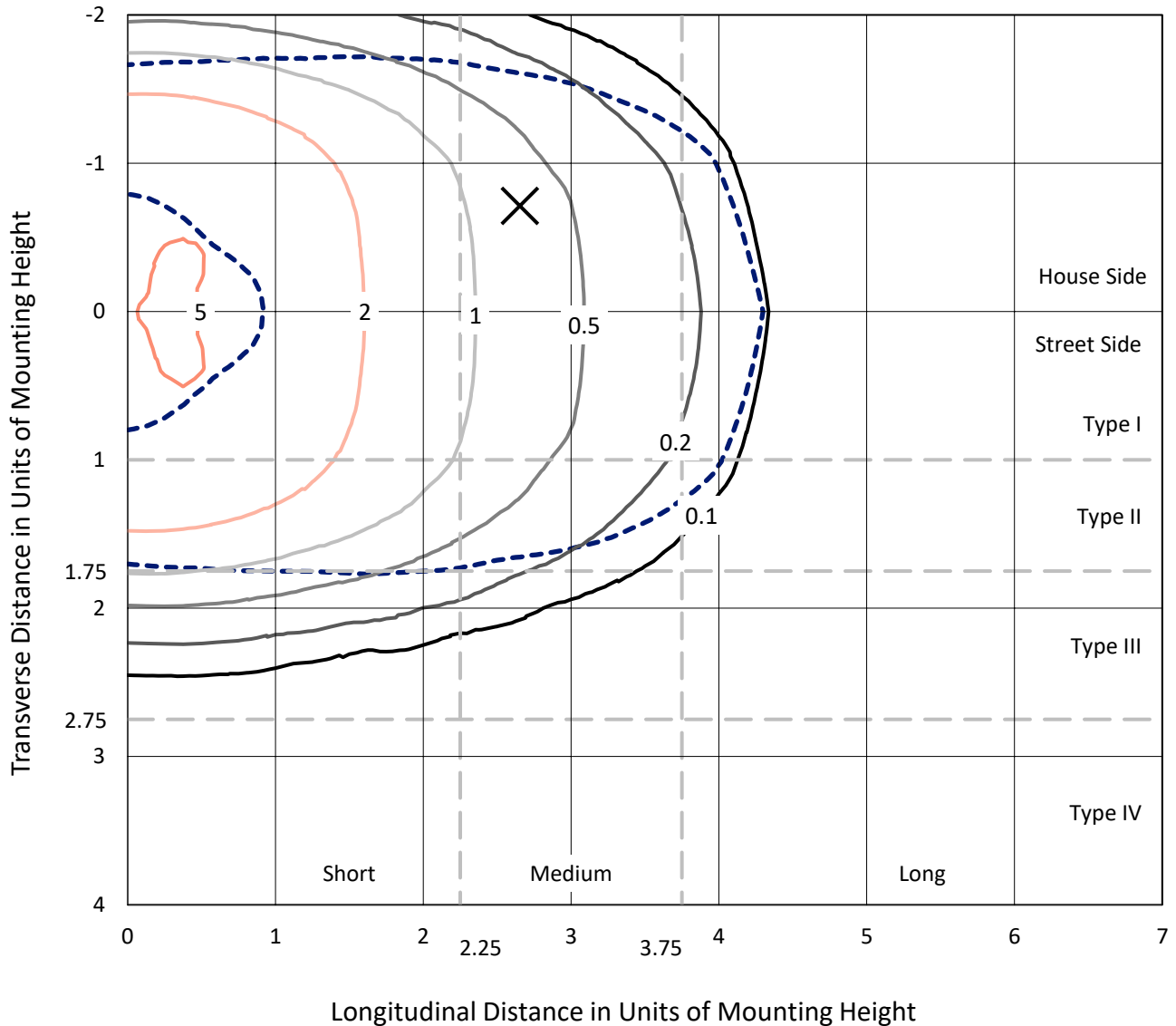
Lumens per Lamp: N/A
Luminaire Lumens: 29358.1 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 217.6
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: P481223
 CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

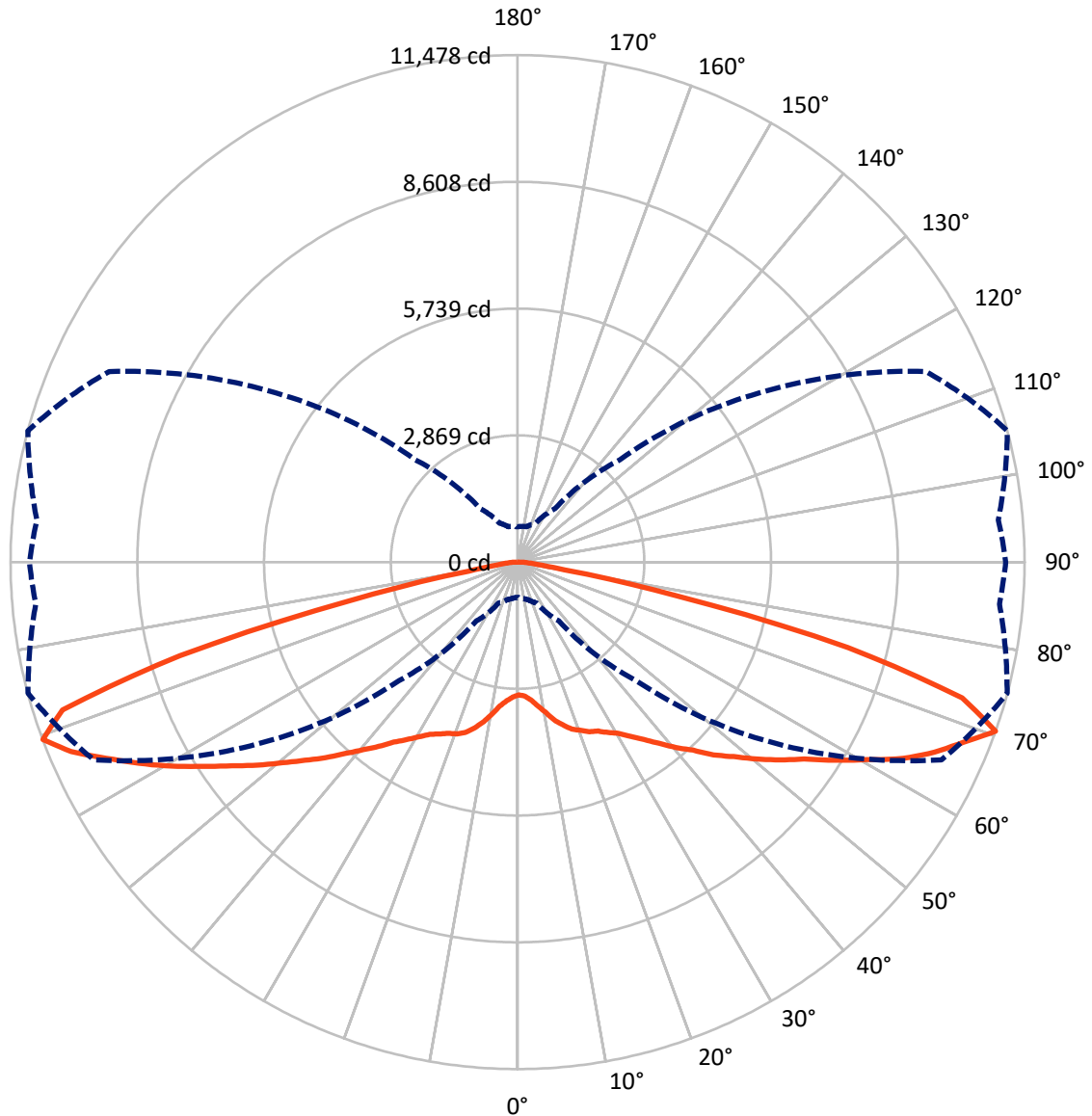
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

REPORT NUMBER: P481223
CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P481223
 CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14574.6	0.0	14574.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	14783.5	0.0	14783.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	29358.1	0.0	29358.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	1.0
10°-20°	1018.8	3.5
20°-30°	1972.8	6.7
30°-40°	3336.8	11.4
40°-50°	5323.2	18.1
50°-60°	7286.3	24.8
60°-70°	6867.8	23.4
70°-80°	3025.5	10.3
80°-90°	227.6	0.8
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°	29358.1	100.0
0°-180°	29358.1	100.0

Coefficient of Utilization

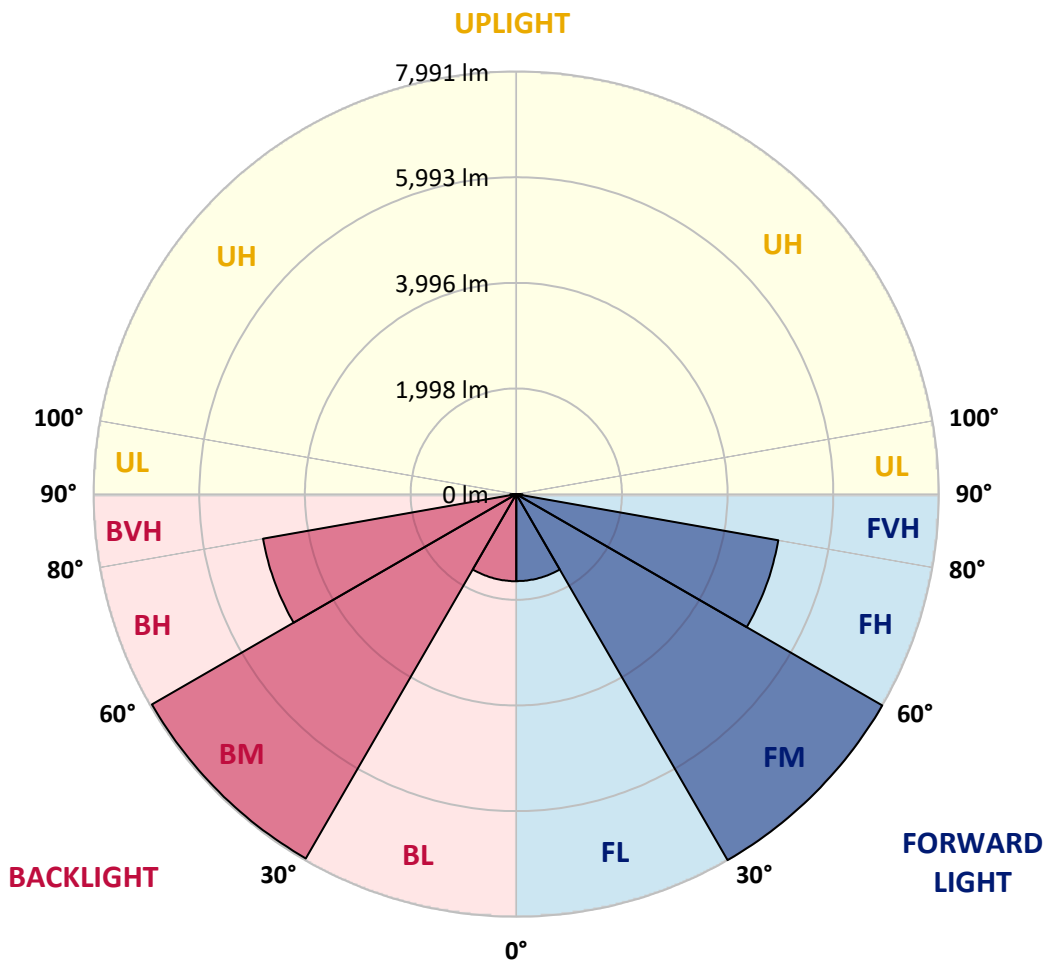


REPORT NUMBER: P481223
 CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.5	5.6			
FM (30°-60°)	7991.0	27.2			
FH (60°-80°)	5031.7	17.1			G3/7500
FVH (80°-90°)	116.3	0.4			G2/225
BL (0°-30°)	1646.3	5.6	B3/2500		
BM (30°-60°)	7955.3	27.1	B4/8500		
BH (60°-80°)	4861.7	16.6	B4/5000		G4/5000
BVH (80°-90°)	111.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Short





REPORT NUMBER: P481223

CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2
2.5°	2987.3	2987.3	2984.1	2999.9	3015.7	3022.1	3034.7	3037.9	3056.9	3041.0	3072.7
5°	2977.8	2974.6	2999.9	3037.9	3037.9	3079.0	3104.3	3139.1	3148.6	3167.6	3174.0
7.5°	3044.2	3037.9	3025.2	3066.4	3101.2	3164.5	3199.3	3259.4	3281.5	3306.9	3335.3
10°	3085.4	3085.4	3072.7	3145.5	3177.1	3262.6	3338.5	3398.6	3484.1	3512.6	3515.7
12.5°	3091.7	3101.2	3139.1	3234.1	3322.7	3433.4	3490.4	3604.3	3689.8	3743.6	3762.5
15°	3186.6	3167.6	3208.8	3338.5	3468.3	3566.4	3667.6	3749.9	3873.3	3942.9	3987.2
17.5°	3272.1	3253.1	3329.0	3484.1	3617.0	3768.9	3857.5	3946.1	4034.7	4098.0	4101.1
20°	3408.1	3423.9	3490.4	3658.1	3832.2	3965.1	4066.3	4082.2	4126.5	4218.2	4202.4
22.5°	3575.8	3563.2	3702.4	3886.0	4075.8	4186.6	4243.5	4202.4	4180.3	4278.4	4300.5
25°	3743.6	3781.5	3908.1	4079.0	4306.8	4455.6	4471.4	4357.5	4275.2	4310.0	4300.5
27.5°	3999.9	4006.2	4139.1	4341.6	4572.7	4702.4	4692.9	4531.5	4373.3	4376.5	4382.8
30°	4329.0	4297.3	4442.9	4626.4	4854.3	4971.4	4987.2	4756.2	4544.2	4480.9	4496.7
32.5°	4645.4	4683.4	4810.0	5018.8	5186.6	5253.0	5218.2	5012.5	4737.2	4651.8	4661.3
35°	5050.5	5044.2	5218.2	5395.4	5522.0	5534.6	5506.2	5205.5	4946.1	4835.3	4791.0
37.5°	5484.0	5541.0	5654.9	5800.5	5933.4	5939.7	5784.6	5544.1	5224.5	5041.0	5094.8
40°	5968.2	6031.5	6113.7	6325.8	6423.9	6322.6	6164.4	5838.4	5506.2	5344.8	5370.1
42.5°	6395.4	6423.9	6591.6	6841.6	6889.0	6844.7	6610.6	6215.0	5828.9	5651.7	5664.4
45°	6787.8	6825.7	7044.1	7268.8	7379.5	7303.6	7031.4	6654.9	6205.5	6053.6	5993.5
47.5°	7148.5	7224.5	7436.5	7667.5	7838.4	7844.7	7509.3	7053.6	6578.9	6379.6	6376.4
50°	7392.2	7502.9	7711.8	7974.4	8224.4	8322.5	7987.1	7496.6	6987.1	6775.1	6753.0
52.5°	7525.1	7639.0	7847.9	8256.1	8534.6	8686.5	8528.2	7911.2	7465.0	7243.5	7208.6
55°	7363.7	7439.7	7781.4	8354.2	8784.6	9034.5	8930.1	8483.9	7939.6	7759.3	7790.9
57.5°	6677.0	6835.2	7256.1	7971.3	8778.2	9392.1	9382.6	9025.1	8487.1	8316.2	8322.5
60°	5496.7	5629.6	6148.6	7148.5	8423.8	9537.7	9873.1	9550.4	9101.0	8901.6	8895.3
62.5°	3879.6	4047.3	4648.6	5740.3	7379.5	9335.2	10436.4	10211.7	9702.2	9556.7	9610.5
65°	2170.8	2272.1	2829.0	3816.3	5623.3	8221.3	10537.7	10898.4	10313.0	10091.5	10101.0
67.5°	1161.4	1199.3	1458.8	2003.1	3439.8	6338.4	9515.5	11294.0	10974.4	10591.5	10531.3
70°	797.4	810.1	876.6	1025.3	1626.5	3791.0	7177.0	10588.3	11471.2	10949.0	11050.3
72.5°	674.0	667.7	683.5	699.3	851.2	1696.2	4211.9	8148.5	10828.8	10632.6	10594.6
75°	585.4	582.3	588.6	572.8	591.8	746.8	1863.9	5079.0	7927.0	8847.8	8990.2
77.5°	484.2	487.3	490.5	474.7	468.3	493.7	750.0	2230.9	3901.8	4306.8	4645.4
80°	367.1	373.4	398.7	382.9	357.6	360.7	443.0	746.8	1120.2	1015.8	1047.4
82.5°	250.0	253.2	307.0	288.0	269.0	243.7	284.8	386.1	436.7	332.3	291.1
85°	177.2	174.0	199.4	183.5	170.9	123.4	170.9	218.3	262.7	164.6	148.7
87.5°	41.1	41.1	82.3	66.5	63.3	50.6	66.5	85.4	113.9	72.8	66.5
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: P481223

CATALOG NUMBER: IFLD-L-SA7A-730-U-RW

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2	3006.2
2.5°	3063.2	3034.7	3034.7	3028.4	3003.1	2996.7	2974.6	2980.9	2965.1	2949.3
5°	3170.8	3132.8	3132.8	3079.0	3028.4	3022.1	2996.7	2996.7	2971.4	2977.8
7.5°	3319.5	3284.7	3227.8	3180.3	3110.7	3082.2	3034.7	3028.4	3022.1	3009.4
10°	3496.7	3452.4	3395.5	3297.4	3240.4	3186.6	3139.1	3072.7	3056.9	3060.0
12.5°	3737.2	3667.6	3544.2	3458.8	3386.0	3316.4	3246.7	3148.6	3126.5	3136.0
15°	3908.1	3819.5	3696.1	3664.4	3566.4	3480.9	3367.0	3256.2	3218.3	3208.8
17.5°	4047.3	3974.6	3901.8	3854.3	3775.2	3670.8	3512.6	3386.0	3300.5	3291.0
20°	4161.3	4066.3	4050.5	4079.0	3980.9	3911.3	3718.2	3563.2	3449.3	3401.8
22.5°	4230.9	4170.8	4215.1	4240.4	4234.1	4117.0	3917.6	3737.2	3594.8	3550.5
25°	4306.8	4237.2	4395.4	4480.9	4503.0	4310.0	4154.9	3917.6	3778.4	3749.9
27.5°	4344.8	4370.1	4553.7	4734.0	4718.2	4569.5	4360.6	4148.6	4037.9	3987.2
30°	4455.6	4496.7	4775.2	4977.7	4980.9	4835.3	4677.1	4436.6	4313.2	4291.0
32.5°	4654.9	4705.6	5003.0	5218.2	5256.2	5145.4	4987.2	4838.5	4711.9	4661.3
35°	4806.8	4936.6	5272.0	5468.2	5569.5	5503.0	5414.4	5259.3	5126.4	5082.1
37.5°	5025.2	5205.5	5528.3	5794.1	5908.1	5901.7	5835.3	5667.6	5556.8	5518.8
40°	5338.5	5518.8	5813.1	6164.4	6376.4	6366.9	6328.9	6199.2	6034.6	6015.6
42.5°	5670.7	5819.4	6202.3	6604.2	6908.0	6876.4	6775.1	6623.2	6509.3	6484.0
45°	5993.5	6224.5	6578.9	7094.7	7322.6	7401.7	7281.4	7021.9	6892.2	6876.4
47.5°	6398.5	6582.1	7025.1	7487.1	7825.7	7838.4	7632.7	7392.2	7154.9	7205.5
50°	6759.3	7003.0	7452.3	7958.6	8363.7	8218.1	7955.5	7654.8	7484.0	7417.5
52.5°	7145.4	7442.8	7965.0	8480.8	8705.4	8559.9	8132.7	7797.2	7537.8	7509.3
55°	7708.6	7863.7	8547.2	8942.8	9015.6	8708.6	8078.9	7604.2	7268.8	7186.5
57.5°	8281.4	8461.8	9059.9	9401.6	9325.7	8626.3	7730.8	6996.6	6556.8	6439.7
60°	8860.5	9082.0	9585.2	9898.4	9506.0	8059.9	6746.6	5800.5	5287.8	5183.4
62.5°	9506.0	9794.0	10243.4	10354.1	8971.3	6939.7	5354.3	4186.6	3667.6	3493.6
65°	10078.8	10373.1	10926.9	10259.2	7835.2	5177.1	3461.9	2392.3	2009.4	1870.2
67.5°	10550.3	10882.6	11154.7	9078.8	5737.2	3031.6	1803.7	1259.5	1117.1	1066.4
70°	10923.7	11477.5	10205.4	6673.9	3278.4	1477.8	974.7	829.1	810.1	797.4
72.5°	10597.8	10525.0	7620.0	3851.2	1436.7	813.3	705.7	683.5	680.4	683.5
75°	8667.5	7730.8	4556.8	1674.0	721.5	588.6	585.4	575.9	591.8	591.8
77.5°	4205.6	3677.1	1905.0	718.3	474.7	462.0	477.8	477.8	477.8	477.8
80°	974.7	1079.1	680.4	436.7	344.9	344.9	379.7	382.9	367.1	360.7
82.5°	332.3	443.0	373.4	275.3	227.8	256.3	288.0	294.3	243.7	246.8
85°	164.6	259.5	202.5	158.2	117.1	158.2	186.7	196.2	167.7	161.4
87.5°	75.9	113.9	75.9	53.8	41.1	57.0	53.8	44.3	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)