

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: P482862

Luminaire Tested: **IFLD-L-SA7B-740-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482862
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-740-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

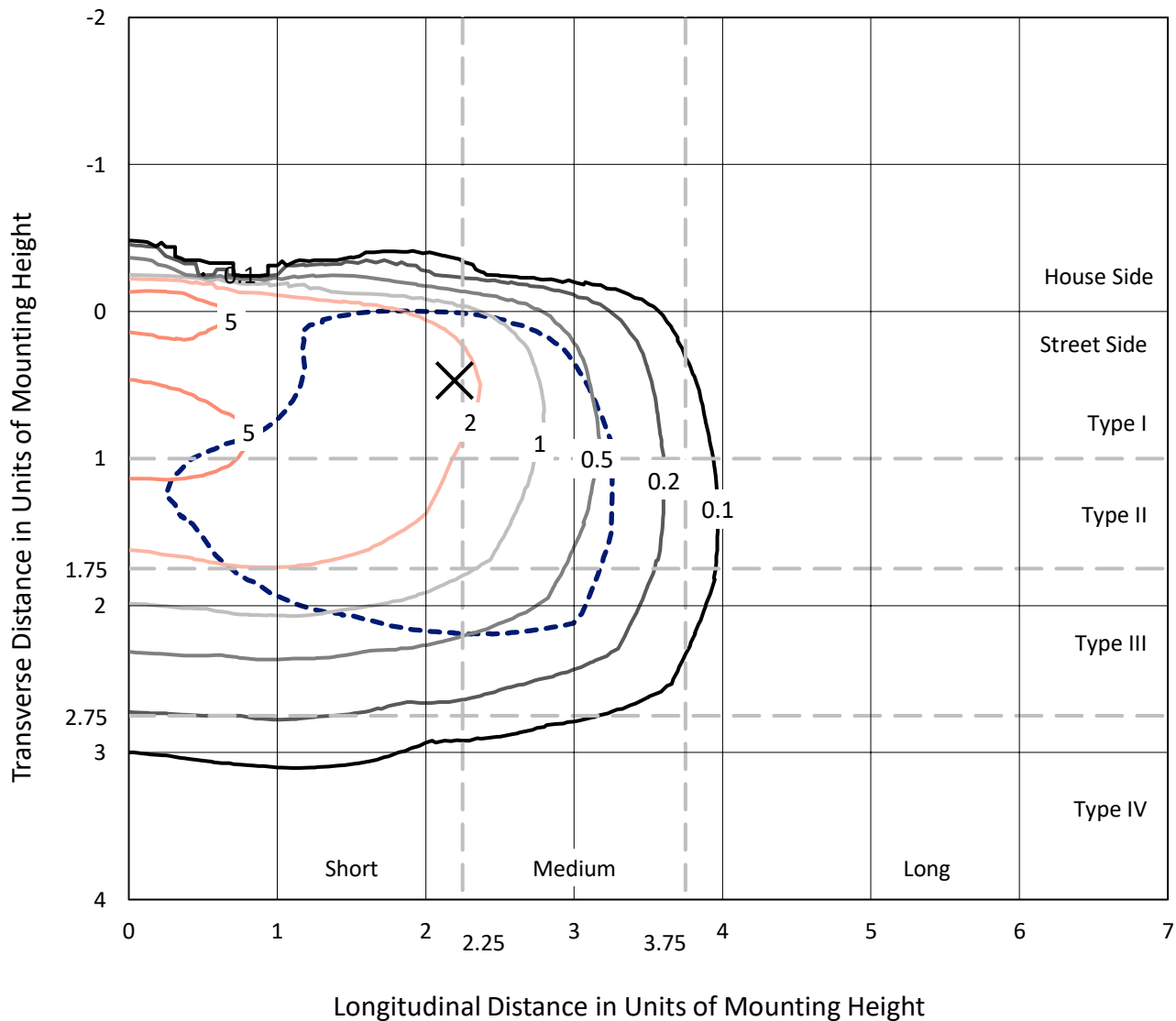
Lumens per Lamp: N/A
Luminaire Lumens: 25527.4 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 281
Input Voltage (V): 120
Input Current (A_{in}): 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

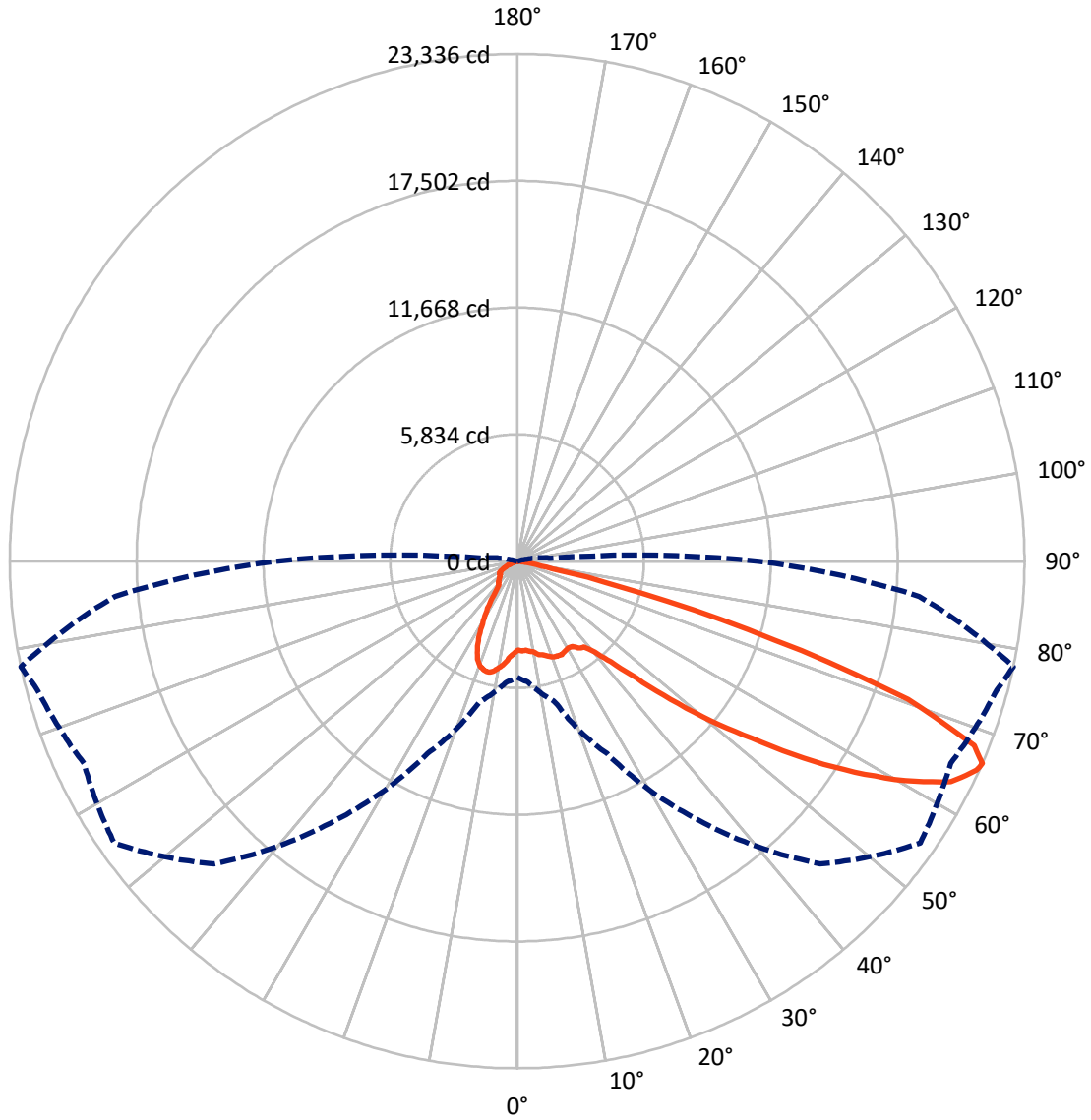
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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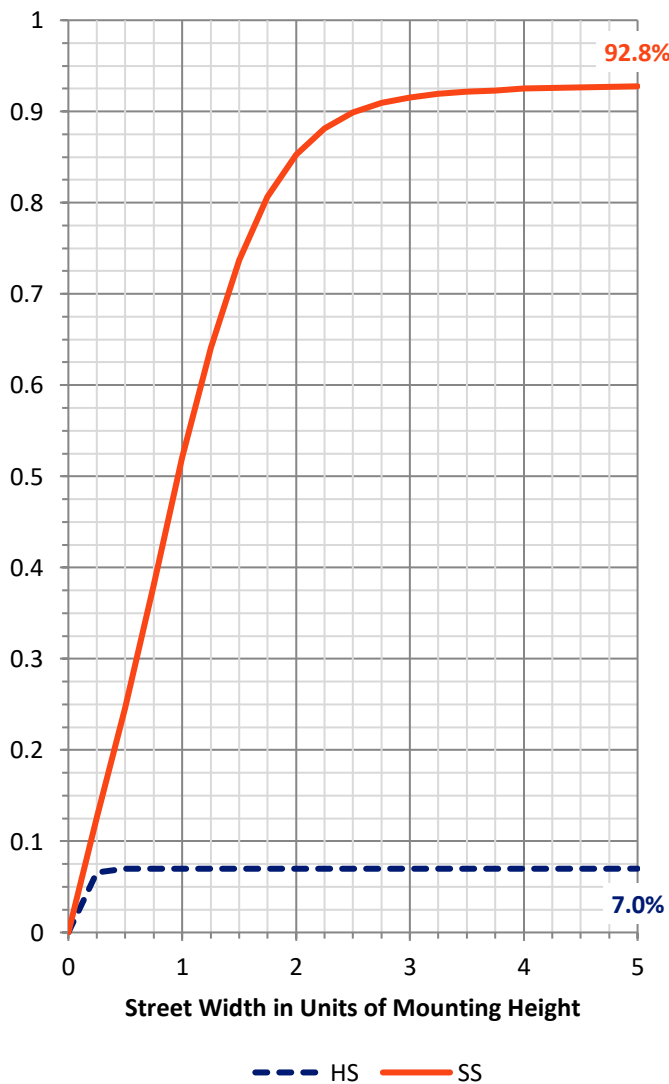
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1794.7	0.0	1794.7
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	23732.7	0.0	23732.7
	% Fixture	93.0	0.0	93.0
Total	Lumens	25527.4	0.0	25527.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.0	1.5
10°-20°	844.4	3.3
20°-30°	1206.9	4.7
30°-40°	2065.9	8.1
40°-50°	3728.6	14.6
50°-60°	6376.4	25.0
60°-70°	7848.3	30.7
70°-80°	2967.1	11.6
80°-90°	115.9	0.5
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°	25527.4	100.0
0°-180°	25527.4	100.0

Coefficient of Utilization

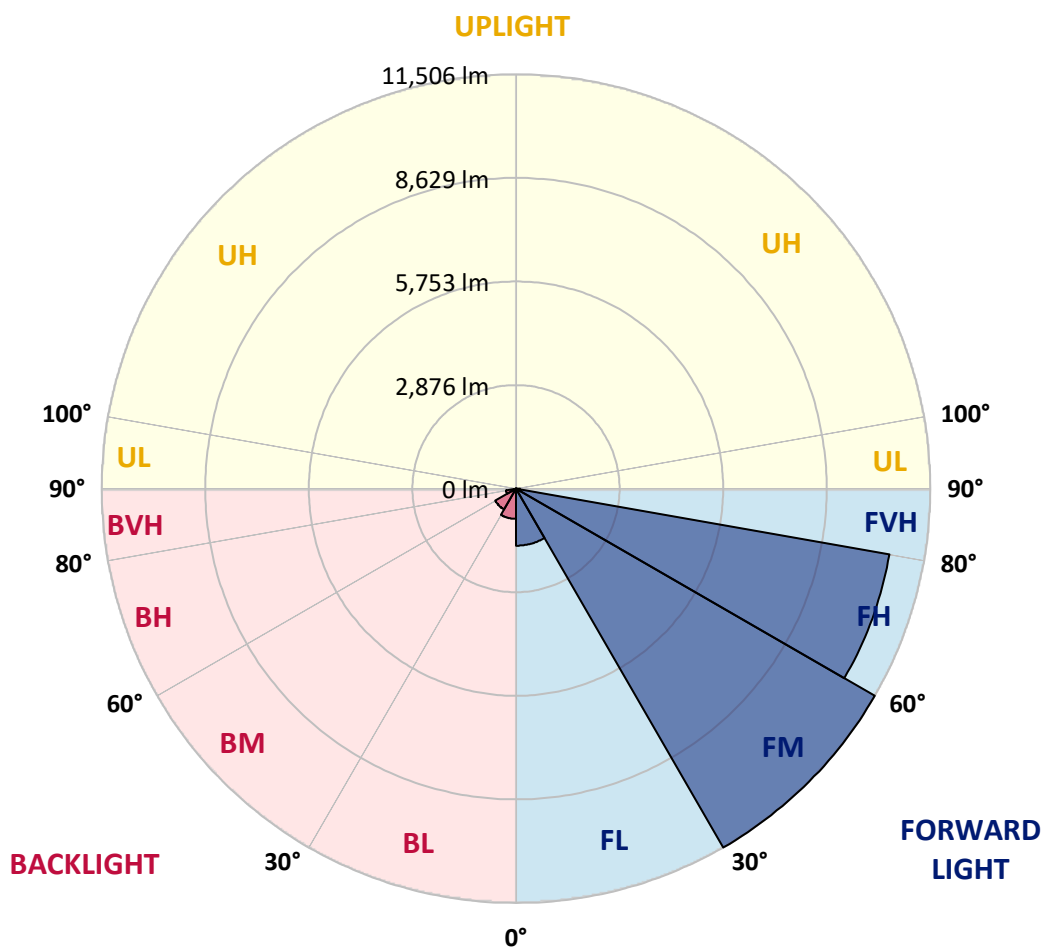


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1584.8	6.2			
FM (30°-60°)	11505.7	45.1			
FH (60°-80°)	10531.0	41.3			G4/12000
FVH (80°-90°)	111.3	0.4			G2/225
BL (0°-30°)	840.5	3.3	B2/1000		
BM (30°-60°)	665.2	2.6	B1/1000		
BH (60°-80°)	284.3	1.1	B1/500		G1/500
BVH (80°-90°)	4.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7
2.5°	3760.8	3726.1	3760.8	3810.9	3837.9	3861.1	3942.1	4011.5	4084.8	4135.0	4119.5
5°	3486.9	3552.5	3560.2	3575.7	3618.1	3756.9	3803.2	3922.8	4104.1	4119.5	4189.0
7.5°	3270.9	3251.6	3301.8	3402.1	3510.1	3591.1	3726.1	3934.4	4123.4	4189.0	4324.0
10°	2958.5	2997.1	3051.1	3151.4	3282.5	3483.1	3722.2	3953.7	4223.7	4246.8	4497.5
12.5°	2788.8	2750.2	2835.1	2939.2	3162.9	3348.1	3641.2	3918.9	4285.4	4412.7	4702.0
15°	2649.9	2669.2	2750.2	2819.6	3004.8	3240.1	3583.4	4003.8	4389.5	4478.2	4918.0
17.5°	2592.1	2580.5	2642.2	2711.6	2939.2	3205.4	3560.2	4007.7	4482.1	4597.8	5064.5
20°	2619.1	2642.2	2622.9	2688.5	2831.2	3101.2	3594.9	4081.0	4551.5	4709.7	5222.7
22.5°	3043.4	3012.5	2858.2	2734.8	2742.5	3058.8	3567.9	4127.2	4613.2	4740.5	5330.7
25°	4150.4	3984.5	3602.7	3128.2	2815.8	2943.1	3537.1	4111.8	4601.7	4759.8	5396.3
27.5°	5265.1	5122.4	4748.3	4011.5	3112.8	2896.8	3429.1	4123.4	4543.8	4690.4	5288.3
30°	6441.6	6518.7	5963.3	5087.7	3891.9	3151.4	3359.6	4061.7	4505.2	4628.7	5311.4
32.5°	7648.9	7618.0	7282.5	6333.6	5006.7	3714.5	3471.5	4123.4	4555.4	4675.0	5446.4
35°	8593.9	8485.9	8146.5	7290.2	5928.6	4563.1	3857.2	4416.5	4775.3	4918.0	5639.3
37.5°	9060.6	9106.9	8910.2	8165.8	6939.2	5350.0	4339.4	4416.5	4844.7	5010.5	5951.7
40°	9423.2	9562.1	9488.8	9249.6	7942.0	6237.1	4871.7	4690.4	5195.7	5508.1	6538.0
42.5°	9859.1	9793.5	10225.5	10005.7	9253.5	7355.7	5805.1	5342.3	6025.0	6325.9	7417.5
45°	10090.5	10341.2	10669.1	10950.7	10468.5	8752.1	7024.0	6495.6	7294.0	7675.9	8725.1
47.5°	10684.5	10784.8	11317.1	11672.0	11456.0	10349.0	8875.5	8181.2	8890.9	9492.6	10221.7
50°	11031.7	10896.7	11641.1	12181.1	12304.6	11672.0	10534.1	9994.1	10788.7	11556.3	11621.8
52.5°	10727.0	11112.7	11857.1	12825.3	13168.6	12852.3	12482.0	12246.7	12806.0	13515.7	13199.4
55°	9658.5	9920.8	11733.7	13531.2	14638.2	14491.6	14834.9	14680.6	15243.8	15995.9	15043.2
57.5°	8798.3	9126.2	10719.2	13897.6	16007.5	16439.5	16871.5	16775.1	17454.0	18321.8	16605.4
60°	8262.2	8451.2	9986.4	13805.0	16817.5	18453.0	19428.9	18750.0	19857.0	20520.5	17828.1
62.5°	7332.6	7452.2	8917.9	12578.4	17060.5	19876.3	21531.1	20609.2	21569.6	22379.7	18707.6
65°	5878.4	6202.4	7413.6	10742.4	15455.9	20138.6	22842.5	21758.6	22688.2	23220.5	18973.7
66°	5350.0	5585.3	6696.2	9770.4	14541.8	19702.7	22622.7	21997.8	22850.2	23336.2	18564.9
67.5°	4439.7	4644.1	5527.4	8385.6	12671.0	18742.3	22776.9	21835.8	22973.7	22676.7	18017.1
70°	2939.2	3070.4	3780.1	5670.1	8825.3	15332.5	21126.1	20570.6	20196.5	19081.7	14086.6
72.5°	1373.2	1562.2	2360.6	3436.8	5176.4	10727.0	17226.4	16481.9	14163.8	12381.7	8887.1
75°	621.0	705.9	1296.0	1971.0	2322.1	5558.3	11112.7	10036.5	7051.0	5855.3	3891.9
77.5°	335.6	381.9	632.6	937.3	844.7	1947.9	5500.4	4574.7	2221.8	1627.8	1130.2
80°	258.4	304.7	528.4	536.2	312.4	505.3	2044.3	1415.6	555.4	420.4	270.0
82.5°	135.0	192.9	416.6	347.2	158.1	204.4	632.6	393.4	173.6	138.9	115.7
85°	54.0	84.9	235.3	231.4	92.6	69.4	177.4	119.6	69.4	57.9	54.0
87.5°	3.9	3.9	127.3	88.7	57.9	19.3	27.0	27.0	34.7	30.9	38.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7	4088.7
2.5°	4189.0	4235.2	4243.0	4370.2	4397.2	4370.2	4439.7	4428.1	4459.0	4435.8	4393.4
5°	4285.4	4351.0	4478.2	4574.7	4574.7	4497.5	4435.8	4354.8	4235.2	4204.4	4181.2
7.5°	4451.2	4659.5	4775.3	4713.5	4590.1	4300.8	3899.7	3606.5	3359.6	3267.1	3224.6
10°	4744.4	4860.1	4995.1	4744.4	4231.4	3618.1	2943.1	2499.5	2152.3	2075.2	2017.3
12.5°	4933.4	5118.5	5195.7	4574.7	3567.9	2653.8	1920.9	1419.5	1176.5	991.3	960.5
15°	5180.3	5392.4	5234.3	4115.7	2811.9	1739.6	995.2	621.0	505.3	474.4	474.4
17.5°	5350.0	5581.4	5076.1	3544.8	1994.2	925.7	493.7	428.2	420.4	424.3	416.6
20°	5647.0	5785.8	4837.0	2881.4	1191.9	474.4	397.3	381.9	374.2	385.7	378.0
22.5°	5758.8	5886.1	4447.4	2086.8	536.2	316.3	297.0	285.4	293.1	289.3	285.4
25°	5751.1	5816.7	3807.1	1195.7	158.1	123.4	111.9	111.9	104.1	108.0	104.1
27.5°	5809.0	5647.0	3089.6	354.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5839.8	5373.1	2198.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5855.3	5230.4	1415.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5974.9	4945.0	605.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6055.9	4578.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6391.4	4462.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6827.3	4246.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	7432.9	3926.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8235.2	3737.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8833.1	3440.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	9592.9	3263.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	10495.5	3270.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	11317.1	3216.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	11737.6	2750.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11648.8	2225.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11340.3	1747.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	11128.1	1546.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10484.0	1238.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	8343.2	848.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5307.5	520.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2445.5	239.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	767.6	146.6	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	200.6	92.6	30.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	104.1	65.6	27.0	11.6	7.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	65.6	27.0	11.6	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	57.9	15.4	7.7	7.7	3.9	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)