

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: P482854

Luminaire Tested: **IFLD-S-SA6D-740-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482854
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-740-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

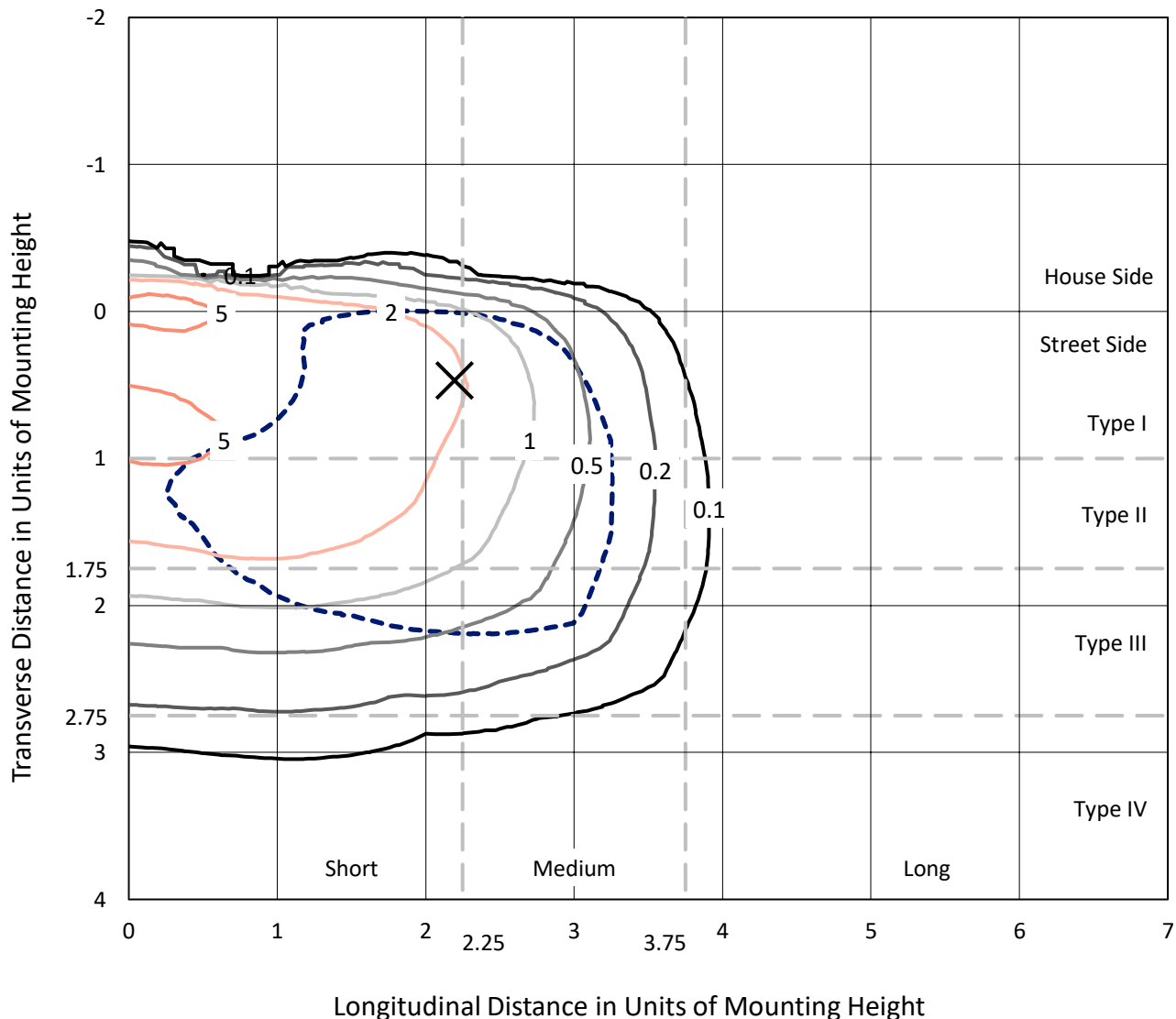
Lumens per Lamp: N/A
Luminaire Lumens: 32774.3 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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

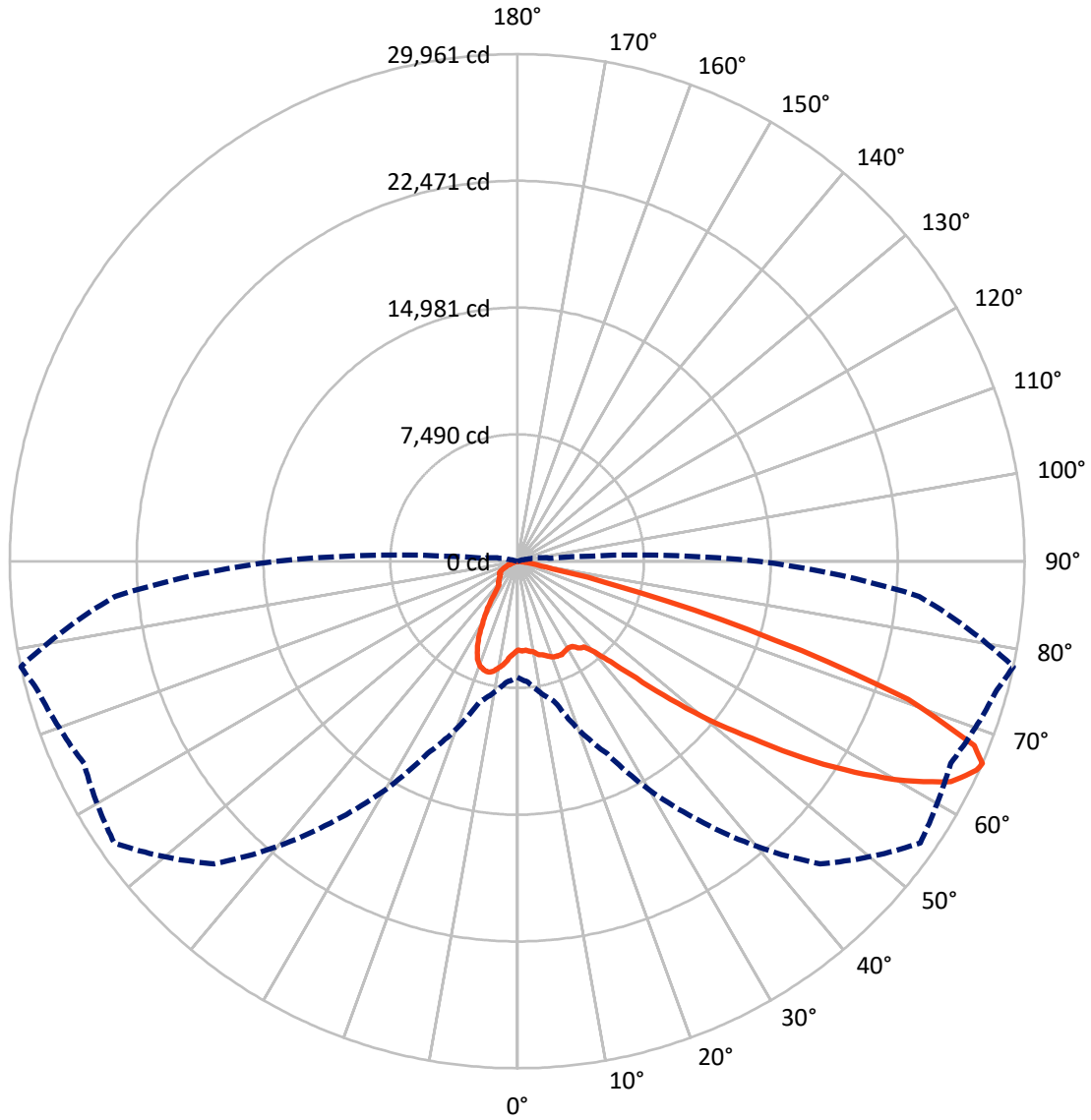
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 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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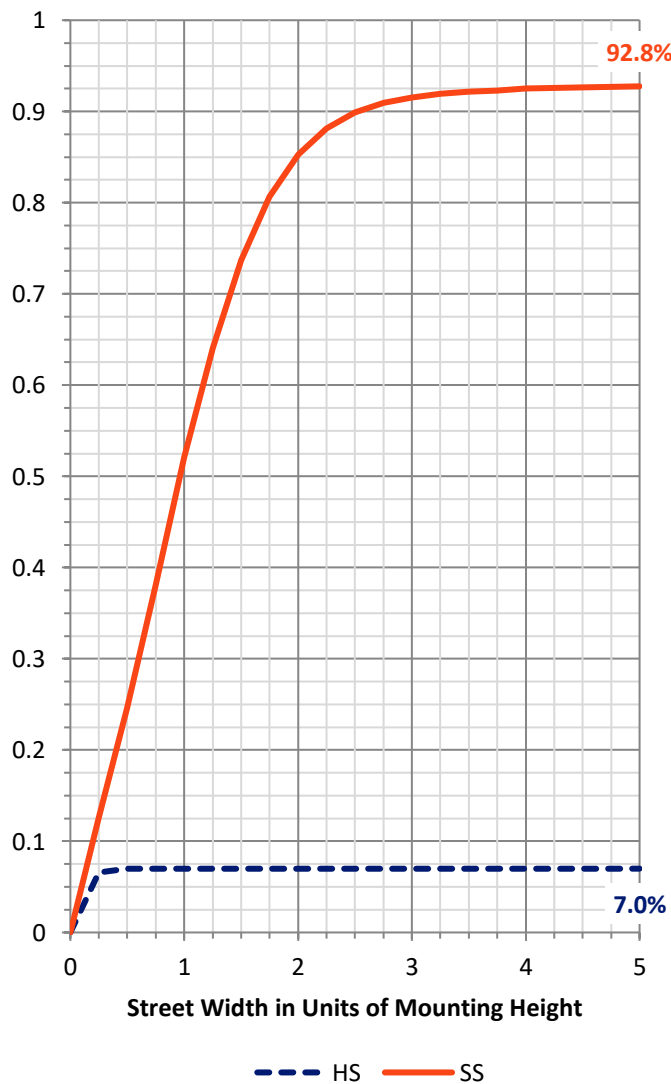
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2304.2	0.0	2304.2
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	30470.1	0.0	30470.1
	% Fixture	93.0	0.0	93.0
Total	Lumens	32774.3	0.0	32774.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	1.5
10°-20°	1084.1	3.3
20°-30°	1549.5	4.7
30°-40°	2652.3	8.1
40°-50°	4787.1	14.6
50°-60°	8186.6	25.0
60°-70°	10076.3	30.7
70°-80°	3809.4	11.6
80°-90°	148.8	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°	32774.3	100.0
0°-180°	32774.3	100.0

Coefficient of Utilization

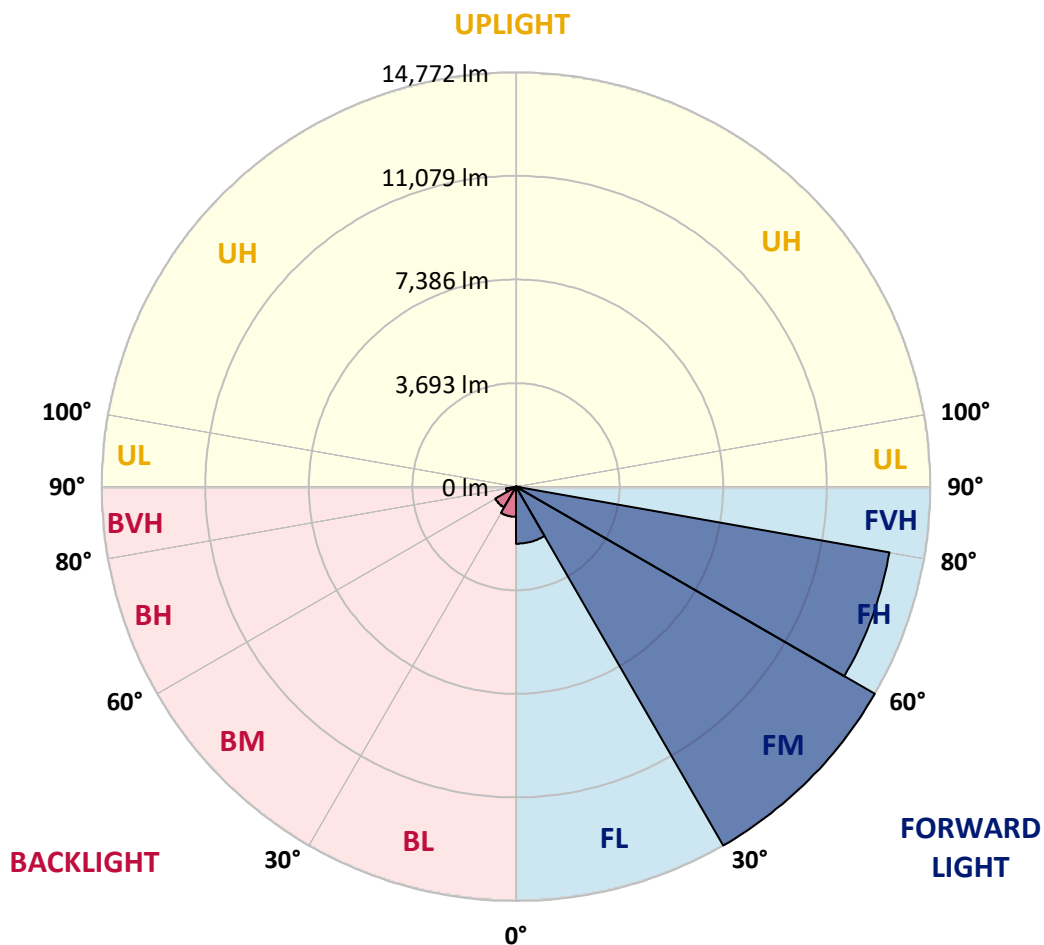


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2034.6	6.2			
FM (30°-60°)	14772.0	45.1			
FH (60°-80°)	13520.6	41.3			G5
FVH (80°-90°)	142.8	0.4			G2/225
BL (0°-30°)	1079.1	3.3	B3/2500		
BM (30°-60°)	854.0	2.6	B1/1000		
BH (60°-80°)	365.1	1.1	B1/500		G1/500
BVH (80°-90°)	6.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4
2.5°	4828.4	4783.9	4828.4	4892.8	4927.5	4957.2	5061.2	5150.3	5244.4	5308.8	5289.0
5°	4476.8	4561.0	4570.9	4590.7	4645.2	4823.5	4882.9	5036.4	5269.2	5289.0	5378.1
7.5°	4199.5	4174.7	4239.1	4367.9	4506.5	4610.5	4783.9	5051.3	5293.9	5378.1	5551.5
10°	3798.4	3847.9	3917.2	4046.0	4214.4	4471.9	4778.9	5076.0	5422.7	5452.4	5774.3
12.5°	3580.5	3530.9	3639.9	3773.6	4060.8	4298.5	4674.9	5031.5	5501.9	5665.4	6036.8
15°	3402.2	3427.0	3530.9	3620.1	3857.8	4159.9	4600.6	5140.4	5635.7	5749.6	6314.1
17.5°	3327.9	3313.1	3392.3	3481.4	3773.6	4115.3	4570.9	5145.4	5754.5	5903.1	6502.3
20°	3362.6	3392.3	3367.5	3451.7	3634.9	3981.6	4615.5	5239.5	5843.6	6046.7	6705.3
22.5°	3907.3	3867.7	3669.6	3511.1	3521.0	3927.1	4580.8	5298.9	5922.9	6086.3	6844.0
25°	5328.6	5115.7	4625.4	4016.3	3615.1	3778.6	4541.2	5279.1	5908.0	6111.1	6928.2
27.5°	6759.8	6576.6	6096.2	5150.3	3996.5	3719.1	4402.5	5293.9	5833.7	6021.9	6789.5
30°	8270.2	8369.3	7656.2	6532.0	4996.8	4046.0	4313.4	5214.7	5784.2	5942.7	6819.2
32.5°	9820.3	9780.7	9349.8	8131.6	6428.0	4769.0	4457.0	5293.9	5848.6	6002.1	6992.6
35°	11033.6	10894.9	10459.1	9359.7	7611.6	5858.5	4952.2	5670.3	6130.9	6314.1	7240.2
37.5°	11632.8	11692.2	11439.7	10483.9	8909.1	6868.8	5571.3	5670.3	6220.0	6433.0	7641.3
40°	12098.3	12276.6	12182.5	11875.5	10196.7	8007.8	6254.7	6021.9	6670.7	7071.8	8394.1
42.5°	12657.9	12573.7	13128.4	12846.1	11880.4	9443.9	7453.1	6858.9	7735.4	8121.7	9523.2
45°	12955.1	13277.0	13697.9	14059.4	13440.4	11236.6	9018.0	8339.6	9364.7	9855.0	11202.0
47.5°	13717.7	13846.5	14529.9	14985.5	14708.2	13286.9	11395.1	10503.7	11414.9	12187.5	13123.4
50°	14163.4	13990.1	14945.9	15639.2	15797.7	14985.5	13524.6	12831.3	13851.4	14836.9	14921.1
52.5°	13772.2	14267.4	15223.2	16466.2	16907.0	16500.9	16025.5	15723.4	16441.4	17352.7	16946.6
55°	12400.4	12737.2	15064.7	17372.5	18793.8	18605.6	19046.3	18848.2	19571.3	20537.0	19313.7
57.5°	11296.1	11717.0	13762.3	17842.9	20551.8	21106.5	21661.1	21537.3	22408.9	23523.2	21319.4
60°	10607.7	10850.4	12821.4	17724.1	21591.8	23691.5	24944.5	24072.9	25494.1	26345.9	22889.3
62.5°	9414.2	9567.7	11449.6	16149.3	21903.8	25518.9	27643.4	26459.8	27692.9	28732.9	24018.4
65°	7547.2	7963.2	9518.2	13792.0	19843.6	25855.7	29327.2	27935.6	29129.1	29812.5	24360.1
66°	6868.8	7170.8	8597.1	12544.0	18670.0	25296.1	29044.9	28242.6	29337.1	29961.1	23835.1
67.5°	5700.0	5962.5	7096.6	10766.2	16268.1	24063.0	29243.0	28034.7	29495.6	29114.2	23131.9
70°	3773.6	3942.0	4853.2	7279.8	11330.7	19685.2	27123.4	26410.3	25929.9	24498.7	18085.6
72.5°	1763.0	2005.7	3030.8	4412.4	6645.9	13772.2	22116.7	21160.9	18184.6	15896.7	11410.0
75°	797.3	906.3	1664.0	2530.6	2981.3	7136.2	14267.4	12885.7	9052.7	7517.5	4996.8
77.5°	430.8	490.3	812.2	1203.4	1084.5	2500.9	7061.9	5873.4	2852.5	2089.8	1451.0
80°	331.8	391.2	678.5	688.4	401.1	648.7	2624.7	1817.5	713.1	539.8	346.7
82.5°	173.3	247.6	534.8	445.7	203.0	262.5	812.2	505.1	222.9	178.3	148.6
85°	69.3	108.9	302.1	297.1	118.9	89.1	227.8	153.5	89.1	74.3	69.3
87.5°	5.0	5.0	163.4	113.9	74.3	24.8	34.7	34.7	44.6	39.6	49.5
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°	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4	5249.4
2.5°	5378.1	5437.6	5447.5	5610.9	5645.6	5610.9	5700.0	5685.2	5724.8	5695.1	5640.6
5°	5501.9	5586.1	5749.6	5873.4	5873.4	5774.3	5695.1	5591.1	5437.6	5397.9	5368.2
7.5°	5714.9	5982.3	6130.9	6051.6	5893.2	5521.8	5006.7	4630.3	4313.4	4194.6	4140.1
10°	6091.3	6239.8	6413.2	6091.3	5432.6	4645.2	3778.6	3209.1	2763.4	2664.3	2590.0
12.5°	6333.9	6571.6	6670.7	5873.4	4580.8	3407.1	2466.2	1822.4	1510.4	1272.7	1233.1
15°	6650.9	6923.2	6720.2	5284.0	3610.2	2233.5	1277.7	797.3	648.7	609.1	609.1
17.5°	6868.8	7165.9	6517.2	4551.1	2560.3	1188.5	633.9	549.7	539.8	544.7	534.8
20°	7250.1	7428.4	6210.1	3699.3	1530.2	609.1	510.1	490.3	480.4	495.2	485.3
22.5°	7393.7	7557.1	5709.9	2679.2	688.4	406.1	381.3	366.5	376.4	371.4	366.5
25°	7383.8	7468.0	4887.9	1535.2	203.0	158.5	143.6	143.6	133.7	138.7	133.7
27.5°	7458.1	7250.1	3966.7	455.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	7497.7	6898.5	2822.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	7517.5	6715.2	1817.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7671.0	6348.8	777.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7775.0	5878.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	8205.9	5729.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8765.5	5452.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9543.0	5041.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10573.0	4798.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11340.6	4417.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12316.2	4189.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13475.1	4199.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	14529.9	4130.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	15069.7	3530.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	14955.8	2857.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	14559.6	2243.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	14287.2	1985.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	13460.2	1589.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	10711.7	1089.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6814.3	668.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	3139.7	307.0	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	985.5	188.2	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	257.5	118.9	39.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	133.7	84.2	34.7	14.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	84.2	34.7	14.9	9.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	74.3	19.8	9.9	9.9	5.0	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)