

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: P483252

Luminaire Tested: **IFLD-L-SA7B-740-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483252
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-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

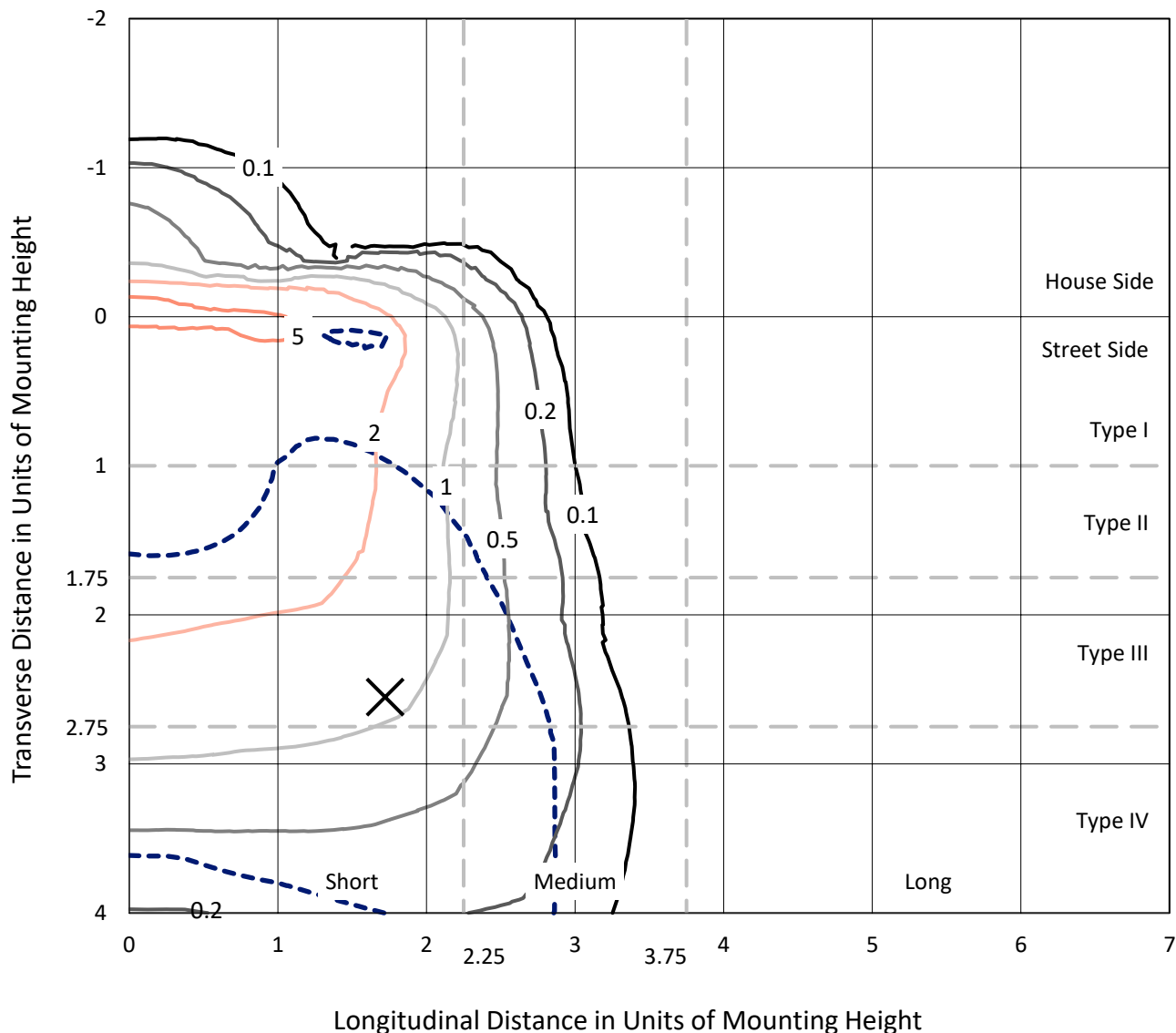
Lumens per Lamp: N/A
Luminaire Lumens: 25750.6 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

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: P483252
 CATALOG NUMBER: IFLD-L-SA7B-740-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

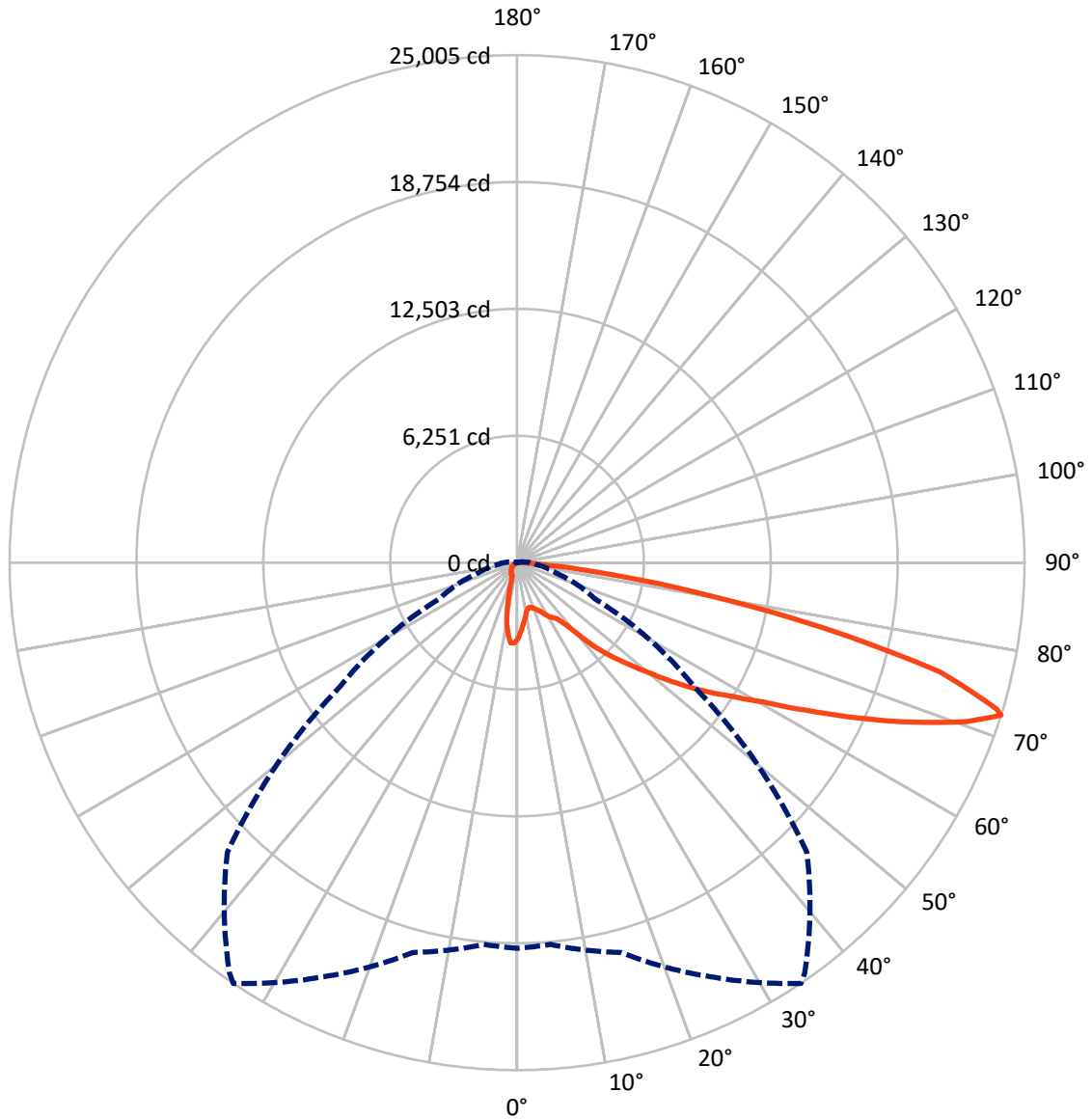
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

REPORT NUMBER: P483252
CATALOG NUMBER: IFLD-L-SA7B-740-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2636.2	0.0	2636.2
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	23114.4	0.0	23114.4
	% Fixture	89.8	0.0	89.8
Total	Lumens	25750.6	0.0	25750.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.0	1.3
10°-20°	740.4	2.9
20°-30°	1117.6	4.3
30°-40°	1813.6	7.0
40°-50°	3410.4	13.2
50°-60°	5576.0	21.7
60°-70°	7412.5	28.8
70°-80°	4964.1	19.3
80°-90°	389.0	1.5
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°	25750.6	100.0
0°-180°	25750.6	100.0

Coefficient of Utilization



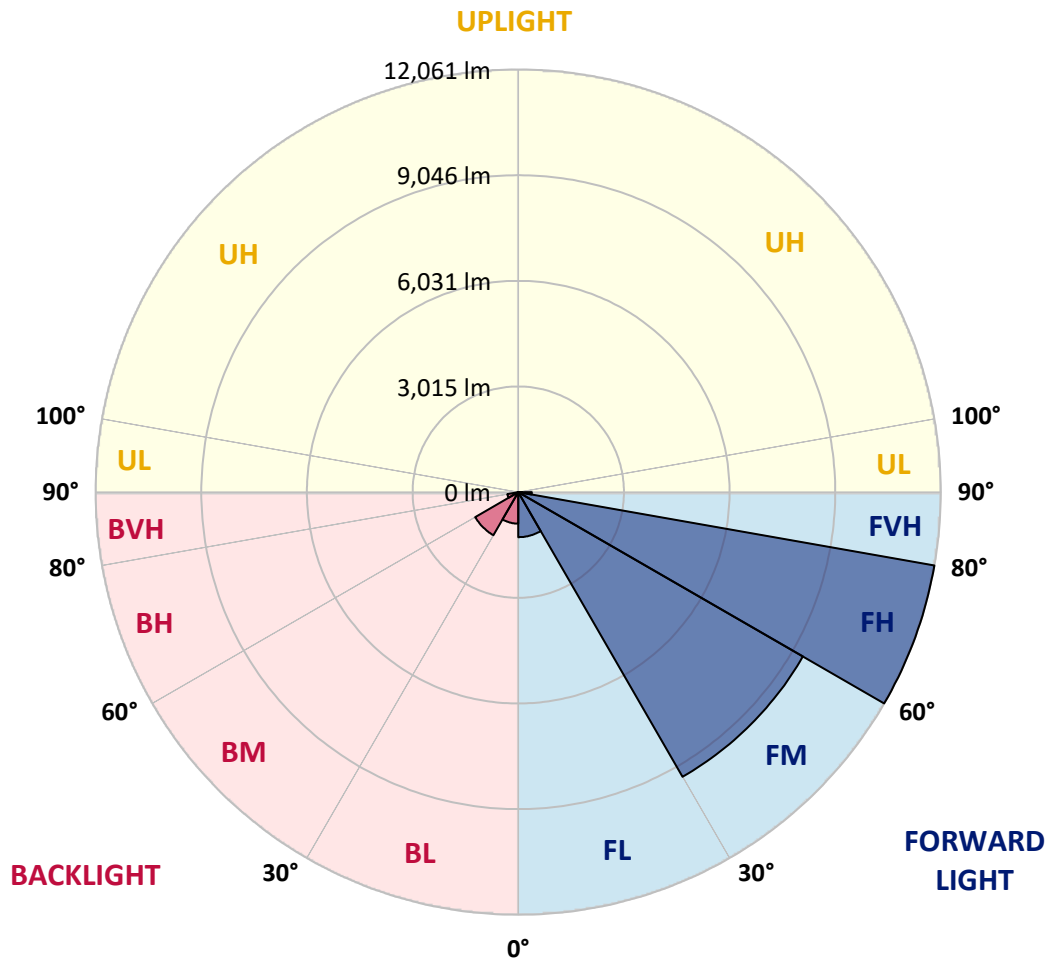
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1285.5	5.0			
FM (30°-60°)	9380.9	36.4			
FH (60°-80°)	12061.4	46.8			G5
FVH (80°-90°)	386.6	1.5			G3/500
BL (0°-30°)	899.5	3.5	B2/1000		
BM (30°-60°)	1419.1	5.5	B2/2500		
BH (60°-80°)	315.2	1.2	B1/500		G1/500
BVH (80°-90°)	2.5	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-G5

Type IV Short





REPORT NUMBER: P483252

CATALOG NUMBER: IFLD-L-SA7B-740-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3
2.5°	3331.8	3324.3	3346.7	3383.9	3421.1	3406.2	3477.0	3551.4	3603.5	3674.3	3759.9
5°	2911.1	2929.7	2952.1	3026.5	3074.9	3086.1	3216.4	3313.2	3473.3	3637.0	3789.7
7.5°	2527.7	2550.0	2594.7	2676.6	2777.1	2803.2	2933.5	3127.0	3335.5	3551.4	3800.8
10°	2248.5	2270.8	2319.2	2371.3	2505.4	2505.4	2684.0	2952.1	3223.8	3477.0	3804.6
12.5°	2188.9	2200.1	2196.4	2237.3	2322.9	2341.6	2516.5	2810.6	3127.0	3450.9	3864.1
15°	2259.7	2267.1	2229.9	2207.5	2282.0	2300.6	2464.4	2725.0	3063.8	3465.8	3960.9
17.5°	2401.1	2375.1	2300.6	2267.1	2330.4	2341.6	2494.2	2721.3	3056.3	3506.8	4072.6
20°	2483.0	2512.8	2382.5	2319.2	2408.6	2423.5	2587.3	2780.8	3093.5	3577.5	4229.0
22.5°	2628.2	2643.1	2468.1	2427.2	2512.8	2512.8	2698.9	2900.0	3182.9	3692.9	4415.1
25°	2833.0	2814.3	2609.6	2568.6	2650.5	2684.0	2870.2	3089.8	3320.6	3800.8	4586.3
27.5°	2993.0	3004.2	2836.7	2728.7	2866.5	2888.8	3089.8	3294.6	3424.9	3890.2	4794.8
30°	3231.3	3208.9	3030.3	2907.4	3078.6	3082.4	3275.9	3488.1	3625.9	4050.3	5107.5
32.5°	3514.2	3469.5	3264.8	3089.8	3227.6	3261.1	3458.4	3767.3	3938.6	4351.8	5591.4
35°	4113.5	4005.6	3670.6	3398.8	3410.0	3424.9	3730.1	4173.1	4370.4	4735.2	6239.2
37.5°	4988.4	4943.7	4564.0	4046.5	3849.2	3804.6	4147.1	4709.2	4954.9	5241.5	7080.5
40°	5855.8	5792.5	5438.8	5047.9	4690.6	4601.2	4772.5	5420.2	5643.6	5945.1	7944.2
42.5°	6819.9	6708.2	6291.3	5974.9	5751.5	5654.7	5587.7	6313.6	6566.8	6771.5	8789.2
45°	7795.3	7612.9	7009.8	6767.8	6648.7	6596.6	6589.1	7437.9	7590.5	7631.5	9727.3
47.5°	8651.5	8454.2	7906.9	7635.2	7545.9	7531.0	7947.9	8733.4	8614.3	8506.3	10773.4
50°	9310.4	9183.8	8789.2	8692.4	8625.4	8599.4	9574.7	10066.1	9515.1	9325.3	11692.9
52.5°	10330.4	10047.5	9600.8	9634.3	9868.8	9872.5	11223.8	11331.8	10263.4	9887.4	12560.3
55°	11145.7	10959.5	10594.7	10546.3	11164.3	11231.3	12701.7	12292.3	10680.3	10423.5	12880.4
57.5°	12106.1	12020.5	11756.2	11763.6	12411.4	12552.8	14015.8	13103.8	11026.5	10769.7	12928.8
60°	13494.7	13249.0	13111.2	13174.5	13937.7	14075.4	15289.0	13688.3	11194.1	10996.8	12809.7
62.5°	15028.4	14741.8	14592.9	14916.7	16029.8	16052.1	16256.9	14205.7	11089.8	11056.3	12042.8
65°	16874.9	16591.9	16472.8	17124.3	18445.8	18363.9	17615.7	14425.3	10758.5	10457.0	10028.9
67.5°	18713.9	18542.6	18296.9	19335.5	20981.0	20981.0	19026.6	14343.4	9891.1	8394.6	6559.3
70°	19585.0	19704.1	20095.0	21725.5	23471.4	23292.7	20418.8	13401.6	7363.4	4508.2	2579.8
72°	19004.2	18881.4	19890.2	22507.3	25005.2	24711.1	20184.3	10654.3	4255.0	1976.7	897.2
72.5°	18006.5	18122.0	19510.5	22399.3	24718.5	24960.5	19611.0	9827.8	3499.3	1574.7	677.5
75°	11041.4	11238.7	14563.1	19019.1	21539.4	21267.6	15169.9	4683.1	1343.9	670.1	242.0
77.5°	4031.7	4195.4	7065.6	11968.4	15318.8	15147.5	8778.1	1664.0	729.6	498.8	122.8
80°	1049.8	1135.4	2401.1	5520.7	9008.9	9020.0	3674.3	666.4	495.1	409.5	74.5
82.5°	208.5	230.8	737.1	2148.0	4210.3	4154.5	1161.5	357.4	372.3	335.0	52.1
85°	26.1	33.5	156.4	729.6	1362.5	1221.0	286.6	178.7	275.5	260.6	33.5
87.5°	3.7	3.7	37.2	167.5	286.6	279.2	59.6	55.8	122.8	160.1	18.6
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: P483252

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3	3767.3
2.5°	3808.3	3823.2	3875.3	3920.0	3972.1	3987.0	3964.6	4001.9	3949.8	3979.5	3987.0
5°	3815.7	3901.4	3998.1	4061.4	4046.5	4009.3	3979.5	3879.0	3808.3	3782.2	3838.1
7.5°	3867.9	3964.6	4068.9	4068.9	3987.0	3793.4	3607.3	3428.6	3279.7	3205.2	3268.5
10°	3934.9	4035.4	4143.3	4001.9	3696.6	3343.0	3078.6	2743.6	2516.5	2397.4	2408.6
12.5°	4024.2	4165.7	4202.9	3875.3	3369.0	2844.1	2363.9	1898.6	1682.6	1511.4	1515.1
15°	4139.6	4277.3	4165.7	3599.8	2952.1	2177.8	1600.7	1157.8	986.5	897.2	897.2
17.5°	4292.2	4396.5	4154.5	3346.7	2390.0	1489.1	982.8	781.8	744.5	729.6	729.6
20°	4470.9	4549.1	4046.5	2952.1	1775.7	956.7	722.2	699.9	703.6	696.1	696.1
22.5°	4671.9	4698.0	3923.7	2494.2	1202.4	707.3	673.8	677.5	681.2	673.8	677.5
25°	4884.1	4813.4	3745.0	1958.1	800.4	644.0	651.5	658.9	662.6	666.4	666.4
27.5°	5122.4	4980.9	3495.6	1433.2	625.4	606.8	629.1	651.5	655.2	655.2	651.5
30°	5472.3	5237.8	3253.6	971.6	551.0	565.8	603.1	629.1	647.7	647.7	644.0
32.5°	5915.3	5505.8	2914.8	662.6	510.0	517.5	547.2	599.3	640.3	644.0	632.9
35°	6529.6	5829.7	2561.2	528.6	480.2	483.9	502.6	543.5	614.2	636.6	632.9
37.5°	7177.3	6198.2	2121.9	476.5	457.9	454.2	465.3	498.8	562.1	618.0	621.7
40°	7866.0	6585.4	1660.3	450.4	439.3	431.8	435.6	450.4	498.8	569.6	584.5
42.5°	8513.7	6935.3	1247.1	424.4	420.7	413.2	413.2	416.9	443.0	491.4	498.8
45°	9213.6	7222.0	949.3	405.8	394.6	398.3	383.4	376.0	394.6	398.3	394.6
47.5°	9868.8	7508.6	759.4	383.4	372.3	372.3	353.7	338.8	338.8	305.3	301.5
50°	10483.0	7665.0	606.8	353.7	349.9	346.2	320.1	294.1	271.8	230.8	223.4
52.5°	10993.0	7657.5	469.1	316.4	327.6	316.4	275.5	238.3	204.7	167.5	160.1
55°	11145.7	7300.2	353.7	260.6	279.2	264.3	219.6	186.1	148.9	119.1	115.4
57.5°	11015.4	6756.6	268.0	201.0	215.9	201.0	167.5	137.7	104.2	81.9	74.5
60°	10579.8	6120.1	208.5	156.4	163.8	152.6	126.6	104.2	74.5	52.1	44.7
62.5°	9753.4	5323.4	160.1	122.8	119.1	119.1	96.8	78.2	52.1	29.8	26.1
65°	8003.7	4150.8	122.8	85.6	85.6	85.6	74.5	55.8	33.5	14.9	7.4
67.5°	5025.6	2416.0	100.5	67.0	63.3	63.3	52.1	37.2	18.6	3.7	0.0
70°	1891.1	886.0	78.2	52.1	48.4	48.4	37.2	22.3	11.2	0.0	0.0
72°	651.5	338.8	63.3	37.2	37.2	33.5	26.1	18.6	7.4	0.0	0.0
72.5°	536.1	271.8	59.6	37.2	33.5	33.5	26.1	18.6	7.4	0.0	0.0
75°	193.6	111.7	40.9	26.1	22.3	22.3	18.6	11.2	3.7	0.0	0.0
77.5°	96.8	70.7	33.5	22.3	18.6	11.2	11.2	7.4	3.7	0.0	0.0
80°	59.6	44.7	18.6	14.9	11.2	7.4	3.7	3.7	0.0	0.0	0.0
82.5°	40.9	26.1	11.2	11.2	7.4	3.7	0.0	0.0	0.0	0.0	0.0
85°	26.1	11.2	7.4	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.2	7.4	3.7	0.0	0.0	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)