

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: P484072

Luminaire Tested: **IFLD-L-SA7C-750-U-SL2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P484072
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-750-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2
distribution lens with House Side Shield
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

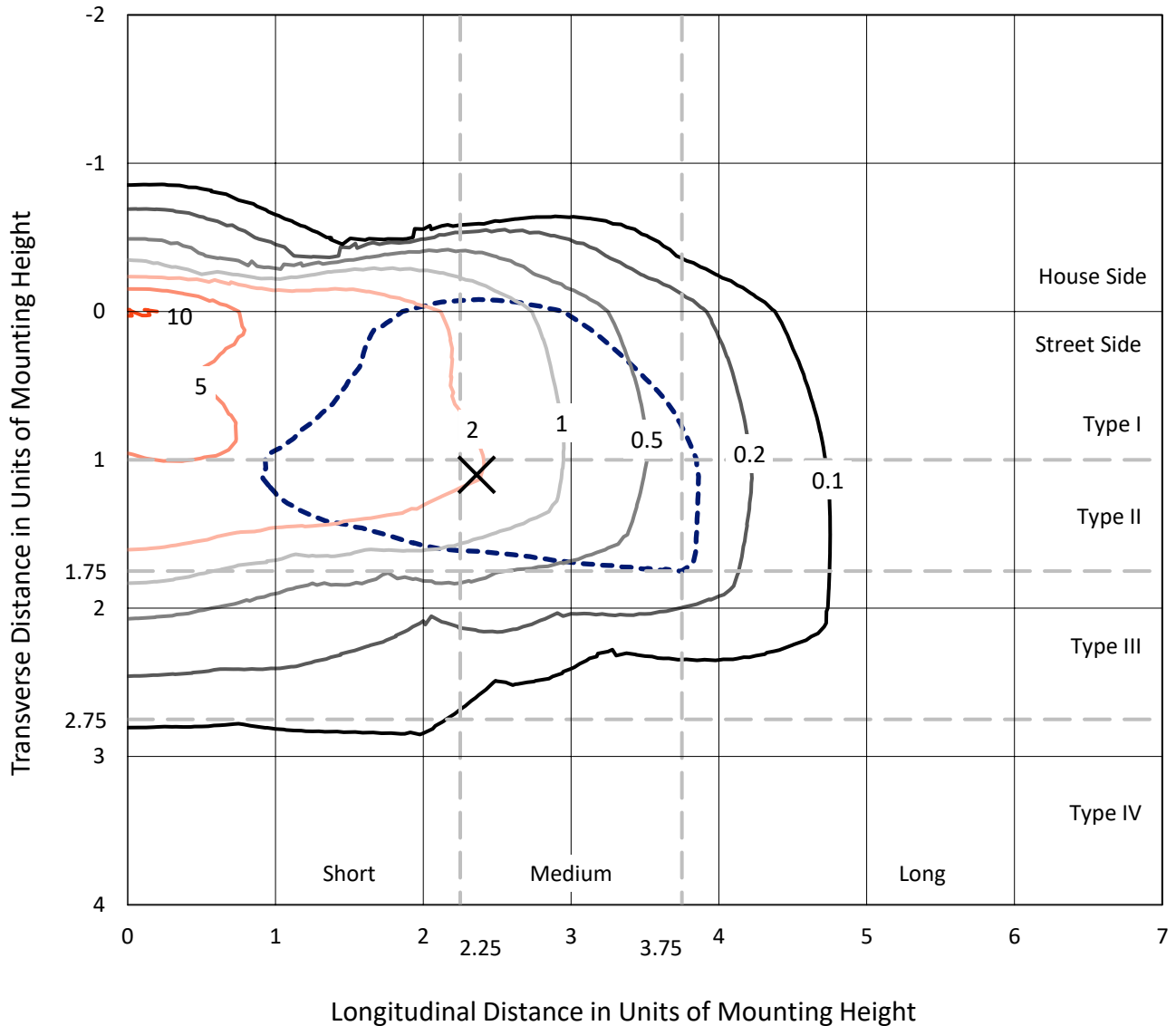
Lumens per Lamp: N/A
Luminaire Lumens: 37322.2 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

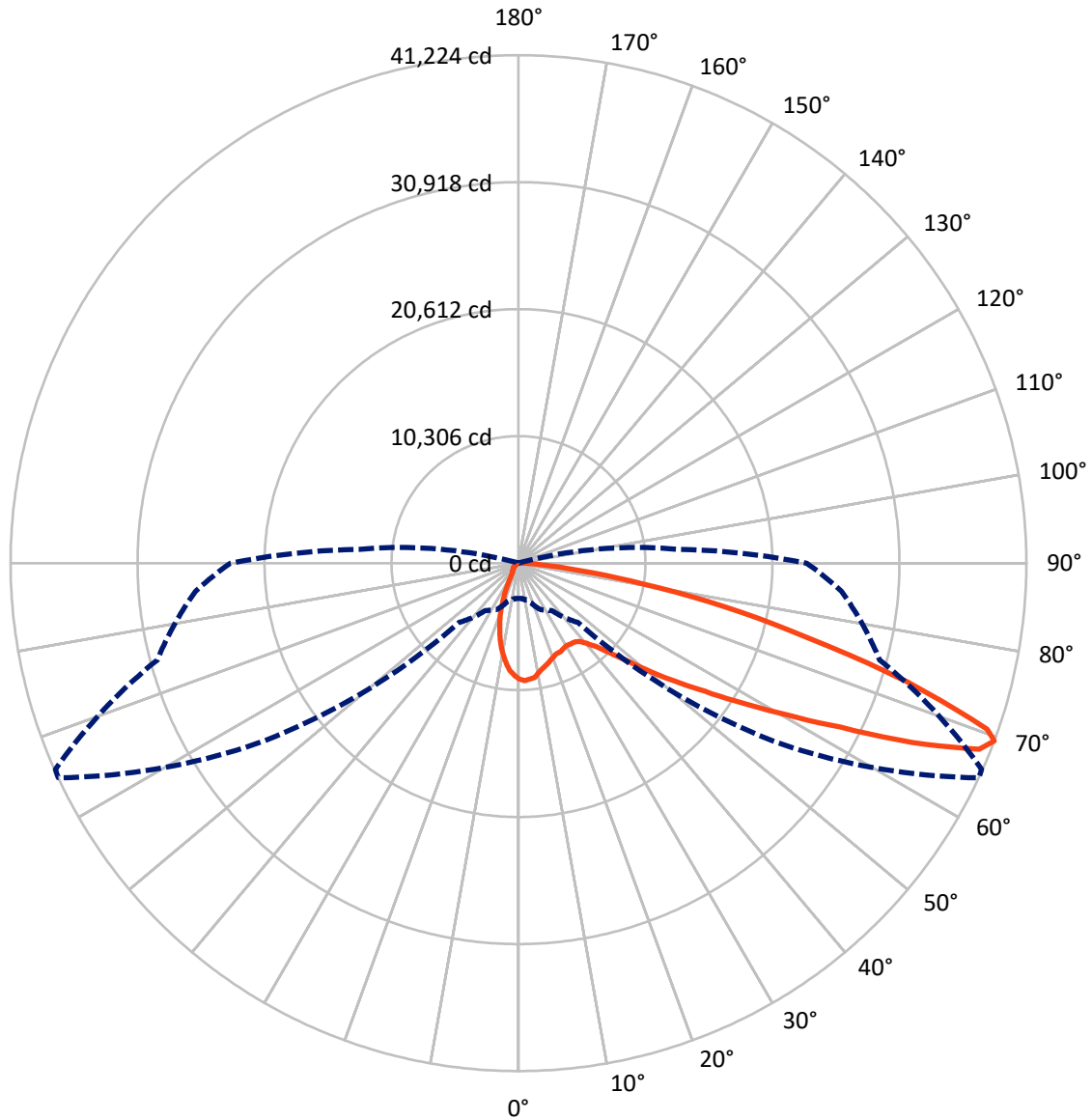
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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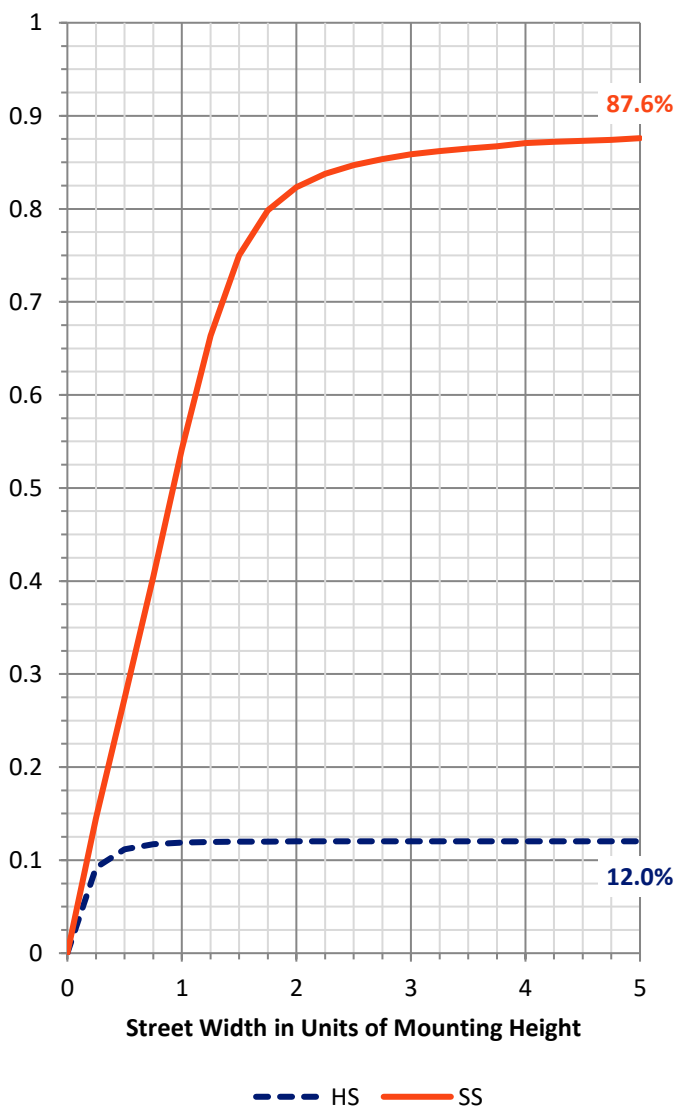
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4527.4	0.0	4527.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	32794.8	0.0	32794.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	37322.2	0.0	37322.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.0	2.1
10°-20°	1684.8	4.5
20°-30°	2345.6	6.3
30°-40°	3324.0	8.9
40°-50°	5238.5	14.0
50°-60°	8500.2	22.8
60°-70°	9493.0	25.4
70°-80°	5345.7	14.3
80°-90°	620.3	1.7
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°	37322.2	100.0
0°-180°	37322.2	100.0

Coefficient of Utilization



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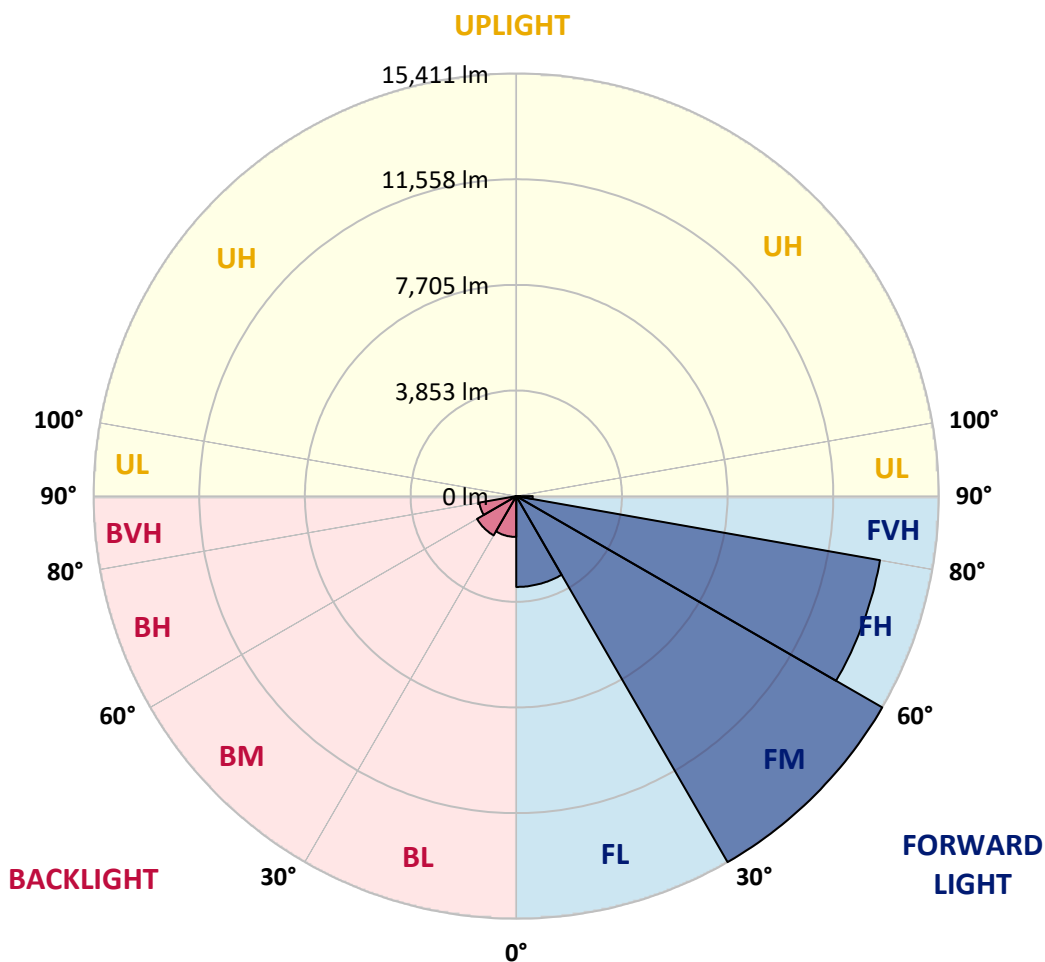
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3312.0	8.9			
FM (30°-60°)	15410.7	41.3			
FH (60°-80°)	13468.9	36.1			G5
FVH (80°-90°)	603.2	1.6			G4/750
BL (0°-30°)	1488.5	4.0	B3/2500		
BM (30°-60°)	1652.0	4.4	B2/2500		
BH (60°-80°)	1369.8	3.7	B3/2500		G3/2500
BVH (80°-90°)	17.1	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8
2.5°	9062.4	9132.9	9153.0	9223.5	9258.7	9409.8	9495.4	9545.7	9520.5	9575.9	9581.0
5°	8418.0	8377.7	8483.4	8558.9	8720.0	8981.8	9248.7	9455.1	9550.8	9641.4	9626.3
7.5°	7728.2	7708.1	7813.8	7985.0	8131.0	8448.2	8876.1	9384.6	9364.5	9586.0	9651.4
10°	7254.9	7275.1	7310.3	7481.5	7698.0	8020.2	8553.9	9027.1	9132.9	9601.1	9732.0
12.5°	6822.0	6857.2	6922.7	7098.9	7350.6	7682.9	8201.5	8755.3	8916.4	9515.5	9777.3
15°	6681.0	6600.4	6731.3	6862.2	7124.0	7421.1	7859.1	8548.9	8619.3	9414.8	9852.8
17.5°	6565.2	6514.9	6575.3	6681.0	6957.9	7199.6	7612.4	8327.3	8458.2	9374.5	9842.8
20°	6600.4	6555.1	6580.3	6660.9	6786.7	7013.3	7395.9	8115.9	8256.8	9188.3	9827.7
22.5°	6701.1	6736.4	6691.1	6711.2	6751.5	6867.3	7280.1	7964.8	8085.7	9153.0	9913.2
25°	7154.3	7093.8	7033.4	7008.2	6771.6	6822.0	7244.9	7954.8	8040.4	9027.1	9842.8
27.5°	7627.5	7577.2	7552.0	7406.0	7083.8	6932.7	7249.9	7813.8	7929.6	8976.8	9757.2
30°	8201.5	8266.9	8166.2	7990.0	7541.9	7169.4	7305.3	7743.3	7904.4	8785.5	9701.8
32.5°	8805.6	8840.9	8891.2	8760.3	8181.3	7526.8	7471.4	7808.8	7818.8	8785.5	9575.9
35°	9490.3	9440.0	9570.9	9581.0	9072.5	8161.2	7788.6	7854.1	7959.8	8745.2	9530.6
37.5°	10079.4	10165.0	10316.0	10557.7	10034.1	9057.4	8282.0	8065.5	8110.8	8931.5	9565.9
40°	10723.8	10809.4	11151.8	11393.4	11096.4	10064.3	9032.2	8558.9	8594.2	9208.4	9747.1
42.5°	11433.7	11599.9	12007.7	12430.6	12350.0	11343.1	9998.8	9283.9	9268.8	9898.1	10119.7
45°	12395.3	12616.9	13059.9	13548.3	13618.8	12808.2	11287.7	10366.4	10416.7	10799.4	10890.0
47.5°	13734.6	13724.5	14157.5	14701.2	15109.0	14328.6	12828.3	11821.4	11816.4	12224.2	12032.8
50°	15028.5	15033.5	15149.3	15778.6	16835.9	16438.2	14736.5	13754.7	13699.3	13900.7	13593.6
52.5°	15627.6	15557.1	15471.5	16231.8	18165.1	19096.5	17153.1	15944.8	15899.5	15778.6	15698.1
55°	14998.3	15023.4	15018.4	15808.8	18864.9	21900.8	20254.4	18356.4	18280.9	17903.3	18014.0
57.5°	12979.4	12898.8	13075.0	14308.5	18064.4	23814.0	24690.0	21397.3	21201.0	19947.3	19695.6
60°	9661.5	9686.7	9832.7	11287.7	16075.7	24216.7	28934.2	24966.9	24121.1	21387.2	21039.9
62.5°	6746.4	6696.1	6751.5	7567.1	11494.1	22605.6	31804.0	29306.8	28491.2	23023.5	22822.1
65°	4828.2	4762.8	4984.3	5482.7	6902.5	17284.0	32211.8	35086.6	34356.5	25636.5	25153.2
67.5°	3473.9	3463.8	3720.6	4626.9	4903.8	9953.5	29191.0	40322.6	39879.6	28737.9	26572.9
69°	2874.8	2879.8	3126.5	4143.5	4682.2	6796.8	25117.9	41223.8	41143.3	30338.9	26306.1
70°	2507.3	2527.4	2814.4	3856.6	4591.6	5588.5	21654.1	40337.7	40257.2	30651.0	25425.0
72.5°	1545.6	1560.7	1938.3	3091.3	4365.1	4561.4	12949.2	33002.2	33279.1	29221.2	21905.8
75°	740.1	745.1	1017.0	2235.4	4209.0	4324.8	6937.8	24352.7	24936.7	23592.4	17117.9
77.5°	392.7	392.7	488.4	1188.2	3408.5	4068.0	4118.4	17178.3	17661.6	14917.7	9732.0
80°	196.4	201.4	297.0	619.3	2114.6	3987.5	3217.1	10245.5	10507.3	6086.9	3030.9
82.5°	75.5	80.6	141.0	372.6	1097.6	3368.2	2824.4	5039.7	4974.2	1424.8	740.1
85°	10.1	10.1	50.3	221.5	468.2	1485.2	2331.0	2104.5	2034.0	312.1	357.5
87.5°	0.0	0.0	10.1	65.5	141.0	433.0	901.2	579.0	644.4	85.6	176.2
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°	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8	9409.8
2.5°	9555.8	9450.1	9289.0	9132.9	8966.7	8765.3	8543.8	8463.3	8322.3	8312.2	8392.8
5°	9545.7	9374.5	9092.6	8760.3	8287.1	7929.6	7541.9	7260.0	7043.5	6902.5	6937.8
7.5°	9596.1	9389.6	8901.3	8186.4	7577.2	6867.3	6268.2	5855.3	5477.7	5291.4	5271.3
10°	9515.5	9238.6	8523.7	7521.8	6625.6	5633.8	4757.8	4203.9	3640.1	3433.6	3443.7
12.5°	9560.8	9173.2	8115.9	6837.1	5603.6	4314.7	3267.5	2512.3	1983.7	1812.5	1792.3
15°	9591.0	9032.2	7723.2	6016.4	4470.8	2940.2	1893.0	1424.8	1258.7	1228.5	1223.4
17.5°	9475.2	8861.0	7169.4	5205.8	3312.8	1787.3	1258.7	1163.0	1132.8	1112.7	1102.6
20°	9470.2	8760.3	6691.1	4375.1	2210.2	1218.4	1087.5	1052.2	1006.9	991.8	991.8
22.5°	9384.6	8548.9	6117.1	3463.8	1409.7	1047.2	976.7	921.3	871.0	850.9	845.8
25°	9359.4	8302.2	5578.4	2602.9	1072.4	936.4	866.0	785.4	725.0	694.8	679.7
27.5°	9289.0	8090.7	5034.7	1832.6	936.4	835.8	745.1	659.5	589.1	543.7	538.7
30°	9037.2	7869.2	4430.5	1268.7	850.9	740.1	639.4	538.7	468.2	438.0	427.9
32.5°	8931.5	7662.8	3771.0	976.7	775.3	654.5	538.7	448.1	392.7	362.5	357.5
35°	8805.6	7360.7	3131.6	850.9	704.9	568.9	453.1	377.6	332.3	307.1	307.1
37.5°	8820.7	7119.0	2532.4	770.3	629.3	488.4	387.7	322.2	281.9	256.8	256.8
40°	8775.4	6927.7	1968.6	699.8	558.8	417.9	327.3	271.9	236.6	211.5	206.4
42.5°	8981.8	6877.3	1485.2	639.4	488.4	357.5	281.9	231.6	196.4	166.1	166.1
45°	9329.2	6957.9	1158.0	584.0	417.9	307.1	241.7	191.3	156.1	135.9	130.9
47.5°	10255.6	7275.1	906.2	538.7	357.5	266.8	201.4	156.1	125.9	105.7	100.7
50°	11599.9	7985.0	770.3	473.3	302.1	226.6	166.1	120.8	100.7	80.6	75.5
52.5°	13513.0	9178.2	699.8	417.9	251.7	186.3	130.9	95.7	75.5	60.4	55.4
55°	15597.4	10668.4	634.4	352.4	211.5	151.0	105.7	75.5	55.4	40.3	35.2
57.5°	17223.6	11957.3	579.0	292.0	171.2	120.8	80.6	55.4	40.3	25.2	20.1
60°	19000.8	12863.6	508.5	231.6	141.0	90.6	60.4	40.3	30.2	15.1	15.1
62.5°	20833.4	13925.9	417.9	181.2	110.8	70.5	45.3	30.2	20.1	5.0	5.0
65°	23381.0	14756.6	322.2	141.0	85.6	50.3	35.2	25.2	10.1	0.0	0.0
67.5°	24100.9	14348.8	236.6	110.8	60.4	35.2	25.2	15.1	5.0	0.0	0.0
69°	23381.0	12924.0	206.4	95.7	50.3	30.2	20.1	10.1	5.0	0.0	0.0
70°	22066.9	11816.4	181.2	80.6	45.3	30.2	15.1	10.1	5.0	0.0	0.0
72.5°	18457.1	9062.4	141.0	60.4	35.2	25.2	15.1	10.1	0.0	0.0	0.0
75°	13538.2	5598.5	105.7	45.3	30.2	20.1	15.1	10.1	0.0	0.0	0.0
77.5°	7254.9	2044.1	75.5	30.2	20.1	15.1	15.1	10.1	0.0	0.0	0.0
80°	1988.7	604.2	55.4	20.1	15.1	10.1	10.1	5.0	0.0	0.0	0.0
82.5°	543.7	156.1	35.2	20.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0
85°	292.0	60.4	20.1	15.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	151.0	20.1	15.1	10.1	10.1	5.0	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)