

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: P483877

Luminaire Tested: **IFLD-L-SA7C-722-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483877
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

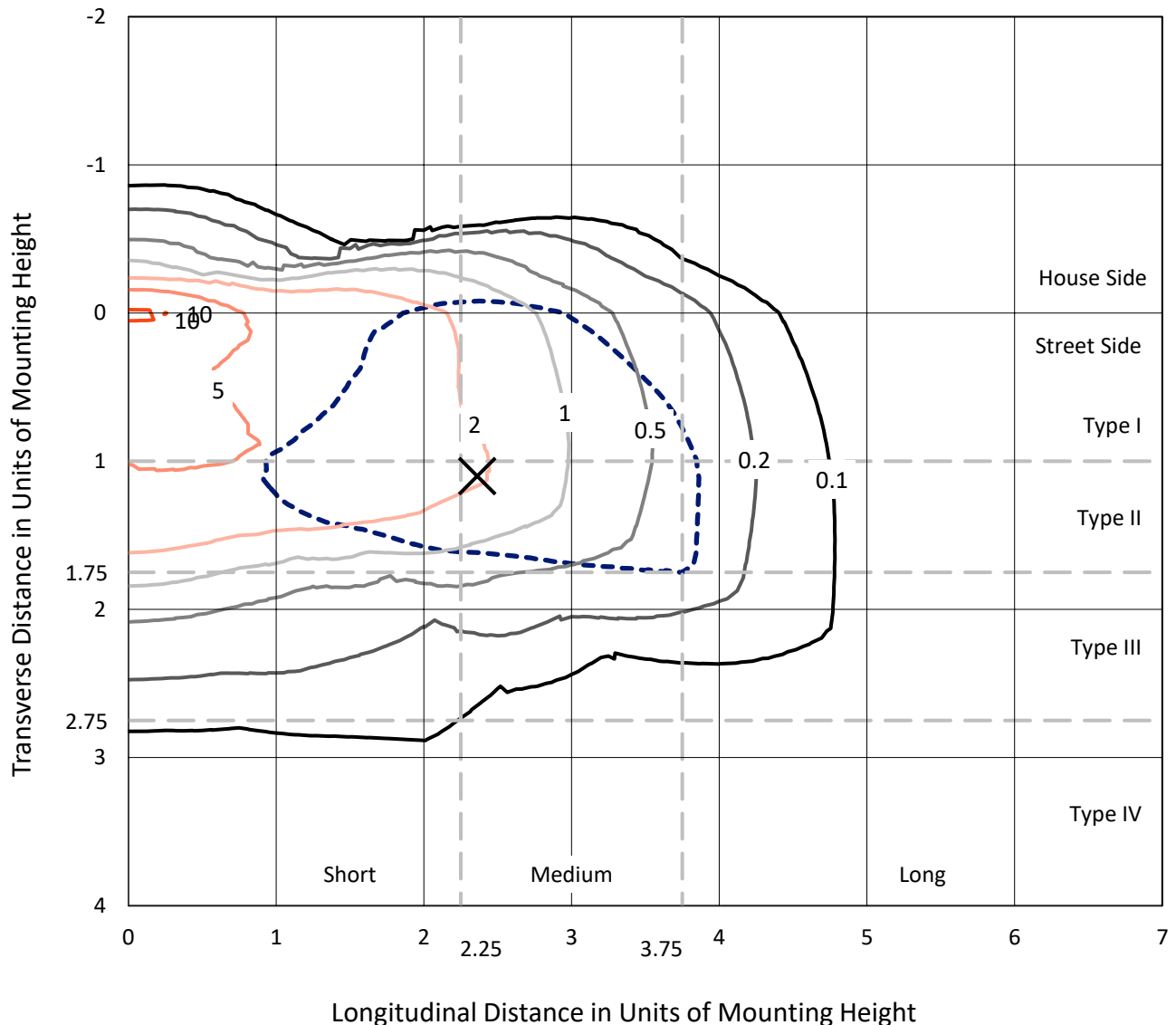
Lumens per Lamp: N/A
Luminaire Lumens: 26876.1 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 369
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

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Iso-Footcandle Lines of Horizontal Illumination

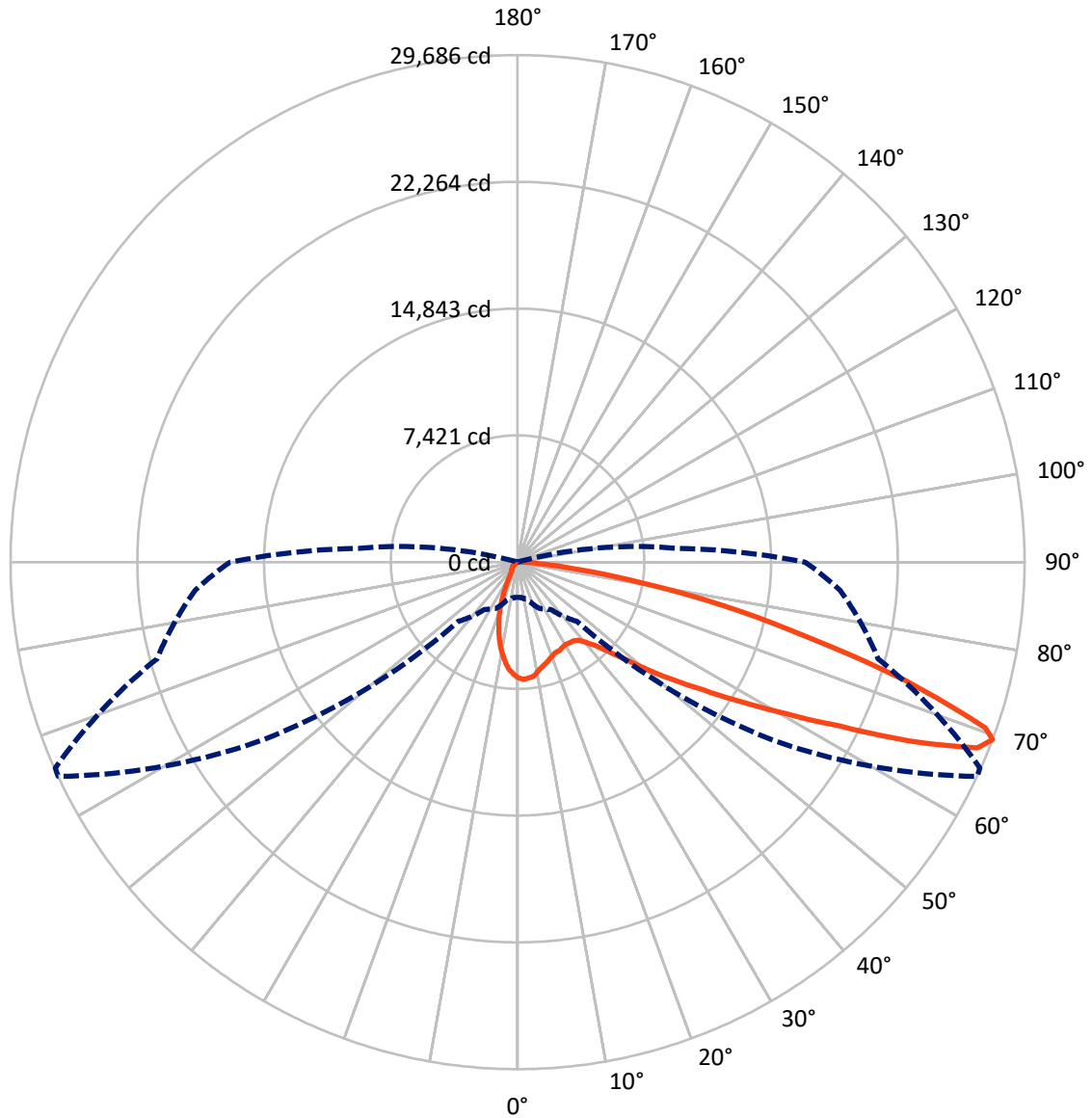
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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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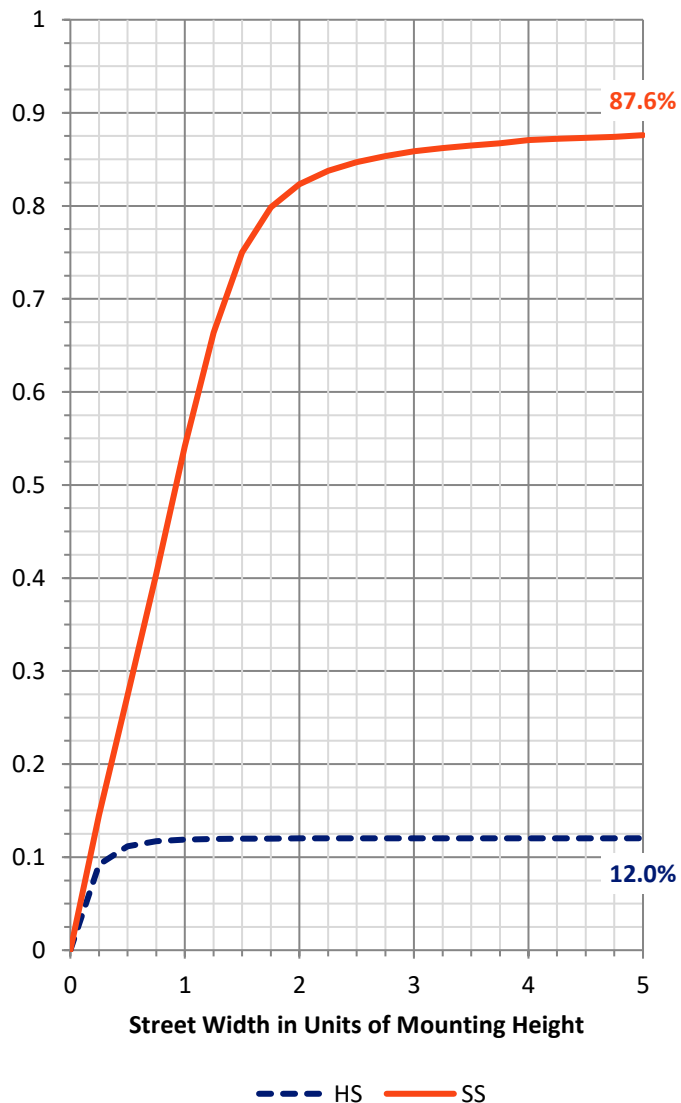
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.2	0.0	3260.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	23615.8	0.0	23615.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	26876.1	0.0	26876.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.5	2.1
10°-20°	1213.2	4.5
20°-30°	1689.1	6.3
30°-40°	2393.6	8.9
40°-50°	3772.3	14.0
50°-60°	6121.1	22.8
60°-70°	6836.0	25.4
70°-80°	3849.5	14.3
80°-90°	446.7	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°	26876.1	100.0
0°-180°	26876.1	100.0

Coefficient of Utilization



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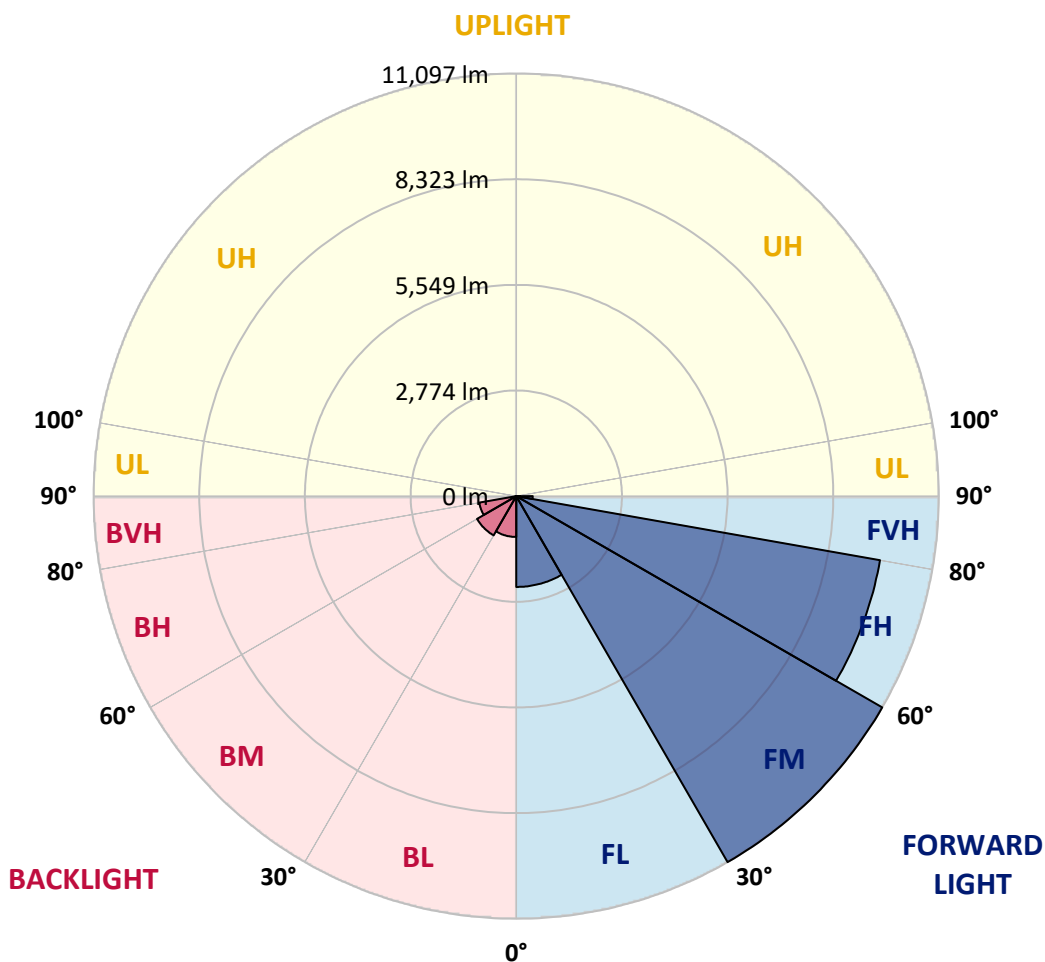
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2385.0	8.9			
FM	(30°-60°)	11097.4	41.3			
FH	(60°-80°)	9699.1	36.1			G4/12000
FVH	(80°-90°)	434.4	1.6			G3/500
BL	(0°-30°)	1071.9	4.0	B3/2500		
BM	(30°-60°)	1189.6	4.4	B2/2500		
BH	(60°-80°)	986.4	3.7	B2/1000		G2/1000
BVH	(80°-90°)	12.3	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-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1
2.5°	6525.9	6576.7	6591.2	6641.9	6667.3	6776.1	6837.7	6874.0	6855.8	6895.7	6899.3
5°	6061.8	6032.8	6109.0	6163.4	6279.4	6467.9	6660.1	6808.7	6877.6	6942.8	6932.0
7.5°	5565.2	5550.7	5626.8	5750.1	5855.2	6083.6	6391.8	6757.9	6743.4	6903.0	6950.1
10°	5224.4	5238.9	5264.2	5387.5	5543.4	5775.4	6159.7	6500.5	6576.7	6913.8	7008.1
12.5°	4912.6	4937.9	4985.1	5112.0	5293.2	5532.5	5906.0	6304.8	6420.8	6852.2	7040.7
15°	4811.0	4753.0	4847.3	4941.6	5130.1	5344.0	5659.4	6156.1	6206.9	6779.7	7095.1
17.5°	4727.7	4691.4	4734.9	4811.0	5010.5	5184.5	5481.8	5996.6	6090.9	6750.7	7087.9
20°	4753.0	4720.4	4738.5	4796.5	4887.2	5050.3	5325.9	5844.3	5945.8	6616.6	7077.0
22.5°	4825.6	4850.9	4818.3	4832.8	4861.8	4945.2	5242.5	5735.6	5822.6	6591.2	7138.6
25°	5151.8	5108.3	5064.8	5046.7	4876.3	4912.6	5217.1	5728.3	5789.9	6500.5	7087.9
27.5°	5492.6	5456.4	5438.3	5333.1	5101.1	4992.3	5220.7	5626.8	5710.2	6464.3	7026.2
30°	5906.0	5953.1	5880.6	5753.7	5431.0	5162.7	5260.6	5576.0	5692.0	6326.5	6986.4
32.5°	6341.0	6366.4	6402.6	6308.4	5891.5	5420.1	5380.3	5623.2	5630.4	6326.5	6895.7
35°	6834.1	6797.8	6892.1	6899.3	6533.2	5876.9	5608.7	5655.8	5731.9	6297.5	6863.1
37.5°	7258.3	7319.9	7428.7	7602.7	7225.6	6522.3	5964.0	5808.1	5840.7	6431.7	6888.5
40°	7722.3	7784.0	8030.5	8204.5	7990.6	7247.4	6504.2	6163.4	6188.7	6631.1	7019.0
42.5°	8233.5	8353.2	8646.8	8951.4	8893.4	8168.3	7200.3	6685.4	6674.6	7127.7	7287.3
45°	8926.0	9085.5	9404.6	9756.2	9807.0	9223.3	8128.4	7464.9	7501.2	7776.7	7842.0
47.5°	9890.4	9883.1	10194.9	10586.5	10880.1	10318.2	9237.8	8512.7	8509.1	8802.7	8665.0
50°	10822.1	10825.8	10909.2	11362.3	12123.7	11837.3	10611.9	9904.9	9865.0	10010.0	9788.9
52.5°	11253.6	11202.8	11141.2	11688.6	13080.8	13751.6	12352.1	11482.0	11449.4	11362.3	11304.3
55°	10800.4	10818.5	10814.9	11384.1	13584.8	15771.0	14585.4	13218.6	13164.2	12892.3	12972.1
57.5°	9346.6	9288.6	9415.4	10303.7	13008.3	17148.7	17779.5	15408.4	15267.0	14364.3	14183.0
60°	6957.3	6975.5	7080.6	8128.4	11576.2	17438.7	20835.8	17978.9	17369.8	15401.2	15151.0
62.5°	4858.2	4821.9	4861.8	5449.1	8277.0	16278.5	22902.3	21104.1	20516.7	16579.4	16434.4
65°	3476.9	3429.7	3589.3	3948.2	4970.6	12446.4	23196.0	25266.2	24740.5	18461.1	18113.0
67.5°	2501.6	2494.3	2679.3	3331.8	3531.2	7167.6	21020.7	29036.7	28717.6	20694.4	19135.4
69°	2070.2	2073.8	2251.4	2983.8	3371.7	4894.4	18087.7	29685.7	29627.7	21847.3	18943.3
70°	1805.5	1820.0	2026.7	2777.1	3306.5	4024.3	15593.3	29047.6	28989.6	22072.1	18308.8
72.5°	1113.0	1123.9	1395.8	2226.1	3143.3	3284.7	9324.8	23765.2	23964.6	21042.4	15774.6
75°	532.9	536.6	732.4	1609.7	3030.9	3114.3	4995.9	17536.6	17957.1	16989.1	12326.7
77.5°	282.8	282.8	351.7	855.6	2454.5	2929.4	2965.7	12370.2	12718.3	10742.4	7008.1
80°	141.4	145.0	213.9	445.9	1522.7	2871.4	2316.7	7377.9	7566.4	4383.2	2182.6
82.5°	54.4	58.0	101.5	268.3	790.4	2425.5	2033.9	3629.1	3582.0	1026.0	532.9
85°	7.3	7.3	36.3	159.5	337.2	1069.5	1678.6	1515.5	1464.7	224.8	257.4
87.5°	0.0	0.0	7.3	47.1	101.5	311.8	649.0	416.9	464.1	61.6	126.9
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°	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1	6776.1
2.5°	6881.2	6805.1	6689.1	6576.7	6457.0	6312.0	6152.5	6094.5	5993.0	5985.7	6043.7
5°	6874.0	6750.7	6547.7	6308.4	5967.6	5710.2	5431.0	5228.0	5072.1	4970.6	4995.9
7.5°	6910.2	6761.6	6409.9	5895.1	5456.4	4945.2	4513.8	4216.5	3944.6	3810.4	3795.9
10°	6852.2	6652.8	6138.0	5416.5	4771.2	4056.9	3426.1	3027.3	2621.2	2472.6	2479.8
12.5°	6884.8	6605.7	5844.3	4923.4	4035.2	3107.1	2353.0	1809.1	1428.5	1305.2	1290.7
15°	6906.6	6504.2	5561.5	4332.5	3219.5	2117.3	1363.2	1026.0	906.4	884.6	881.0
17.5°	6823.2	6380.9	5162.7	3748.8	2385.6	1287.1	906.4	837.5	815.7	801.2	794.0
20°	6819.6	6308.4	4818.3	3150.6	1591.6	877.4	783.1	757.7	725.1	714.2	714.2
22.5°	6757.9	6156.1	4405.0	2494.3	1015.1	754.1	703.3	663.5	627.2	612.7	609.1
25°	6739.8	5978.5	4017.1	1874.4	772.2	674.3	623.6	565.6	522.1	500.3	489.4
27.5°	6689.1	5826.2	3625.5	1319.7	674.3	601.8	536.6	474.9	424.2	391.6	387.9
30°	6507.8	5666.7	3190.4	913.6	612.7	532.9	460.4	387.9	337.2	315.4	308.2
32.5°	6431.7	5518.0	2715.5	703.3	558.3	471.3	387.9	322.7	282.8	261.0	257.4
35°	6341.0	5300.5	2255.1	612.7	507.6	409.7	326.3	271.9	239.3	221.2	221.2
37.5°	6351.9	5126.5	1823.6	554.7	453.2	351.7	279.2	232.0	203.0	184.9	184.9
40°	6319.3	4988.7	1417.6	503.9	402.4	300.9	235.7	195.8	170.4	152.3	148.6
42.5°	6467.9	4952.4	1069.5	460.4	351.7	257.4	203.0	166.8	141.4	119.6	119.6
45°	6718.1	5010.5	833.9	420.6	300.9	221.2	174.0	137.8	112.4	97.9	94.3
47.5°	7385.2	5238.9	652.6	387.9	257.4	192.2	145.0	112.4	90.6	76.1	72.5
50°	8353.2	5750.1	554.7	340.8	217.5	163.1	119.6	87.0	72.5	58.0	54.4
52.5°	9730.9	6609.3	503.9	300.9	181.3	134.1	94.3	68.9	54.4	43.5	39.9
55°	11231.8	7682.5	456.8	253.8	152.3	108.8	76.1	54.4	39.9	29.0	25.4
57.5°	12402.9	8610.6	416.9	210.3	123.3	87.0	58.0	39.9	29.0	18.1	14.5
60°	13682.7	9263.2	366.2	166.8	101.5	65.3	43.5	29.0	21.8	10.9	10.9
62.5°	15002.4	10028.2	300.9	130.5	79.8	50.8	32.6	21.8	14.5	3.6	3.6
65°	16836.9	10626.4	232.0	101.5	61.6	36.3	25.4	18.1	7.3	0.0	0.0
67.5°	17355.3	10332.7	170.4	79.8	43.5	25.4	18.1	10.9	3.6	0.0	0.0
69°	16836.9	9306.7	148.6	68.9	36.3	21.8	14.5	7.3	3.6	0.0	0.0
70°	15890.6	8509.1	130.5	58.0	32.6	21.8	10.9	7.3	3.6	0.0	0.0
72.5°	13291.1	6525.9	101.5	43.5	25.4	18.1	10.9	7.3	0.0	0.0	0.0
75°	9749.0	4031.6	76.1	32.6	21.8	14.5	10.9	7.3	0.0	0.0	0.0
77.5°	5224.4	1472.0	54.4	21.8	14.5	10.9	10.9	7.3	0.0	0.0	0.0
80°	1432.1	435.1	39.9	14.5	10.9	7.3	7.3	3.6	0.0	0.0	0.0
82.5°	391.6	112.4	25.4	14.5	10.9	7.3	3.6	0.0	0.0	0.0	0.0
85°	210.3	43.5	14.5	10.9	7.3	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	108.8	14.5	10.9	7.3	7.3	3.6	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)