

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: P509198

Luminaire Tested: **VERD-CA2-130-722-U-T3-HSS**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-130-722-U-T3-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1180mA LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13930 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

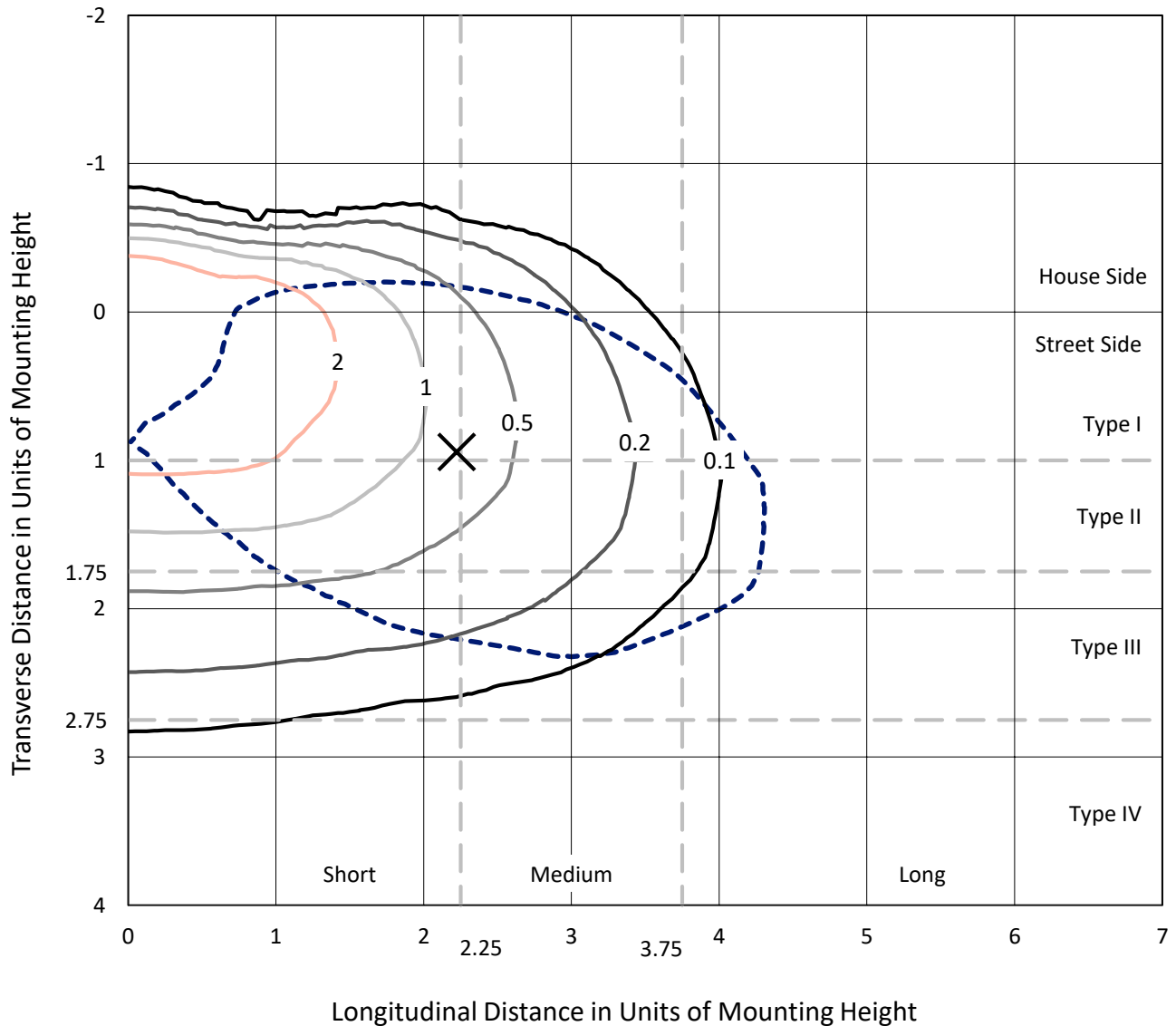
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509198
 CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

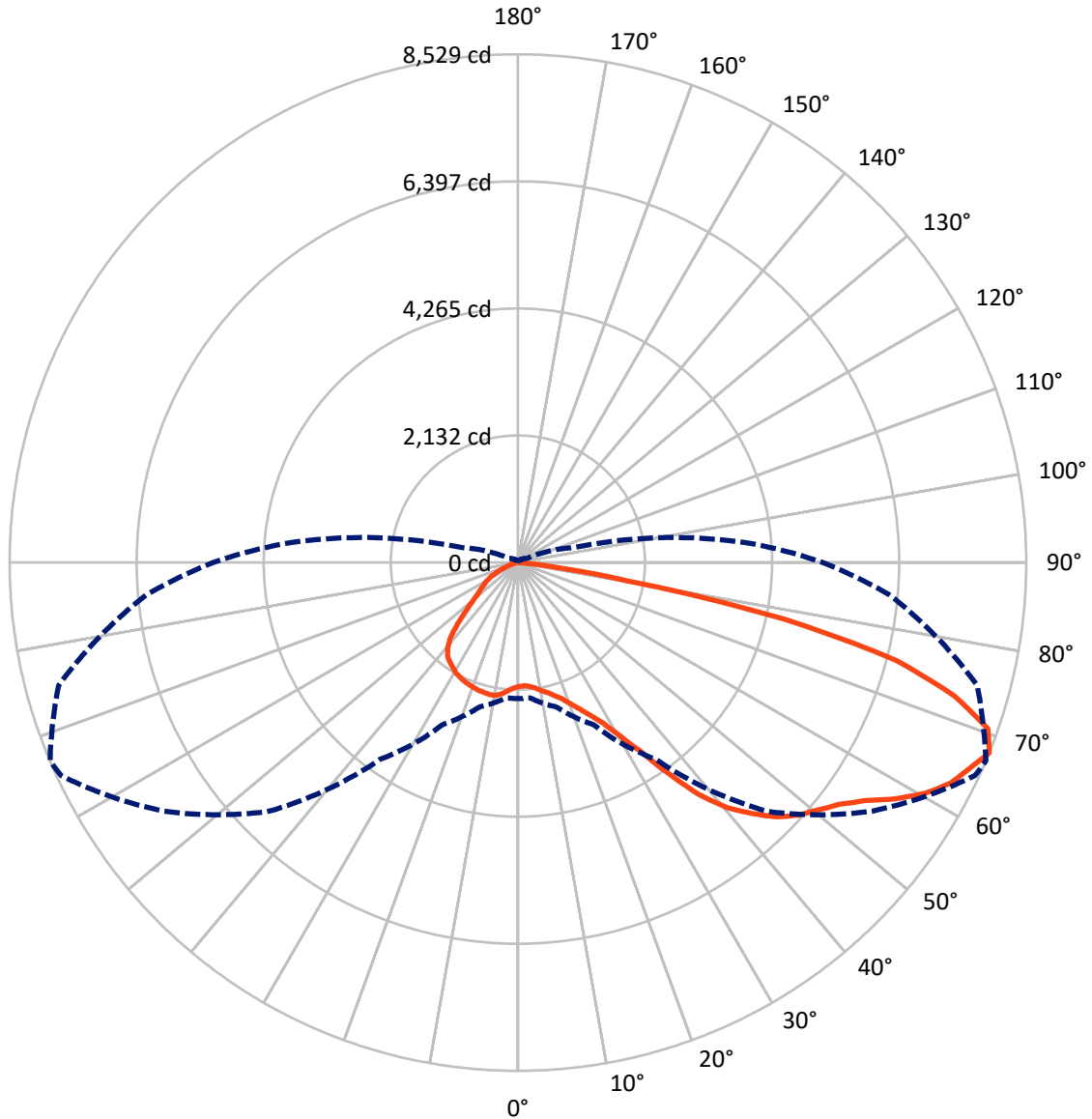
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

REPORT NUMBER: P509198
CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P509198
 CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

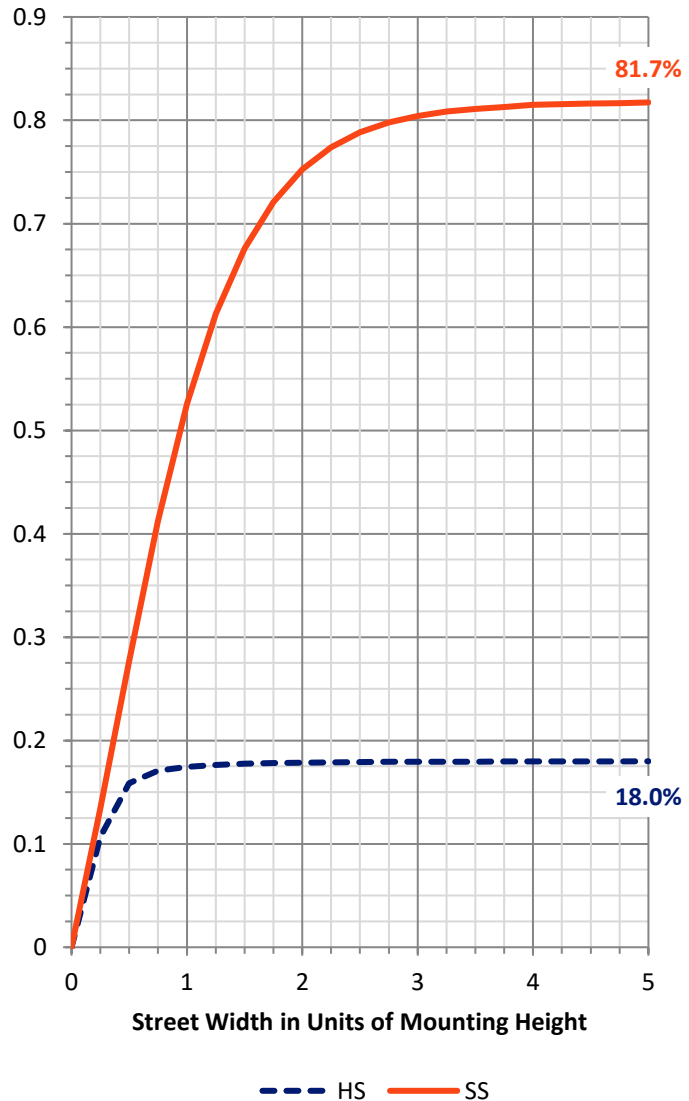
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2538.1	0.0	2538.1
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	11391.9	0.0	11391.9
	% Fixture	81.8	0.0	81.8
Total	Lumens	13930.0	0.0	13930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	1.5
10°-20°	652.6	4.7
20°-30°	1113.6	8.0
30°-40°	1733.4	12.4
40°-50°	2446.9	17.6
50°-60°	2947.1	21.2
60°-70°	3045.6	21.9
70°-80°	1677.8	12.0
80°-90°	104.6	0.8
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°	13930.0	100.0
0°-180°	13930.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509198

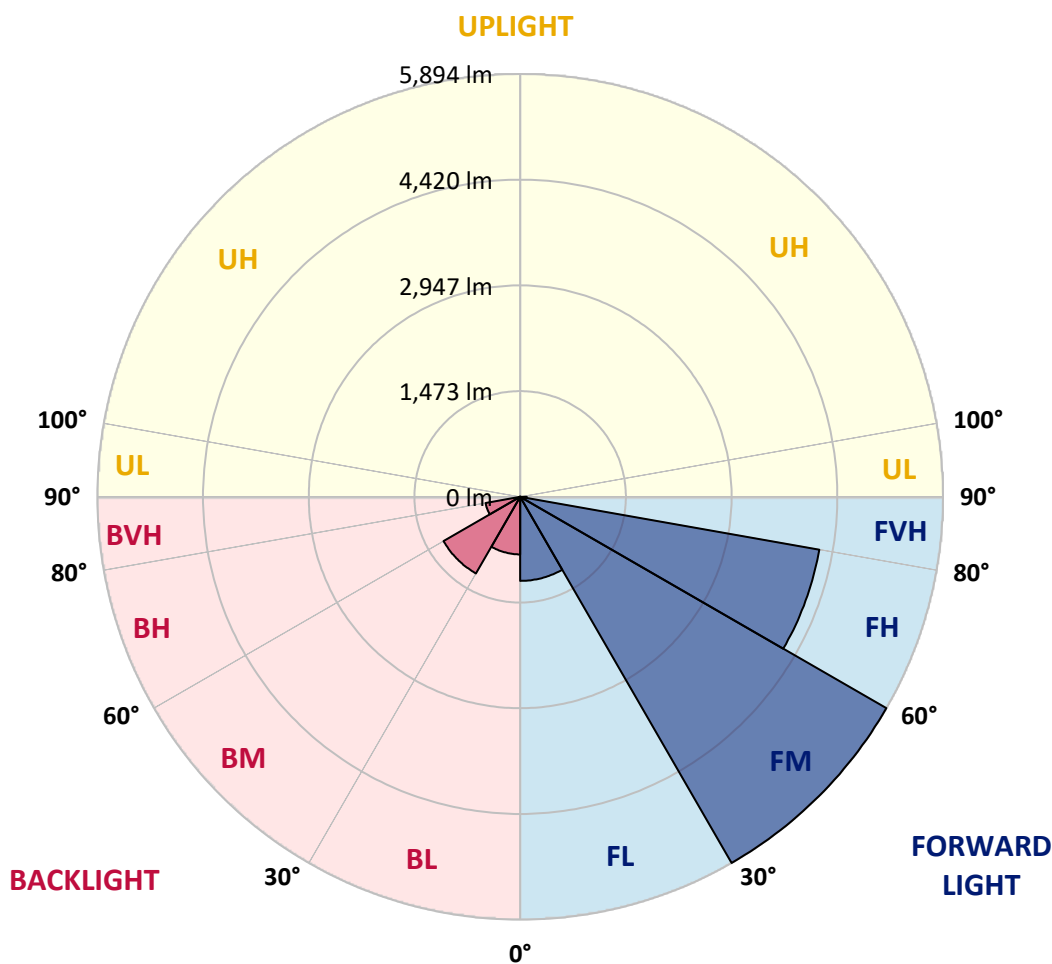
CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.1	8.4			
FM (30°-60°)	5893.6	42.3			
FH (60°-80°)	4234.2	30.4			G2/5000
FVH (80°-90°)	92.0	0.7			G1/100
BL (0°-30°)	802.5	5.8	B2/1000		
BM (30°-60°)	1233.8	8.9	B2/2500		
BH (60°-80°)	489.2	3.5	B1/500		G1/500
BVH (80°-90°)	12.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P509198

CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9
2.5°	2060.6	2081.5	2081.5	2075.1	2078.3	2063.8	2054.1	2065.4	2068.6	2078.3	2091.2
5°	2100.9	2125.1	2123.4	2112.2	2102.5	2089.6	2076.7	2086.4	2088.0	2091.2	2107.3
7.5°	2186.3	2208.9	2199.2	2187.9	2183.1	2154.1	2126.7	2125.1	2128.3	2138.0	2155.7
10°	2297.6	2315.3	2312.1	2294.3	2281.4	2237.9	2199.2	2184.7	2186.3	2189.5	2220.2
12.5°	2423.3	2447.5	2429.8	2405.6	2383.0	2320.1	2266.9	2246.0	2242.8	2250.8	2276.6
15°	2547.5	2573.3	2560.4	2545.9	2494.3	2424.9	2357.2	2323.4	2320.1	2320.1	2336.3
17.5°	2710.3	2720.0	2711.9	2691.0	2632.9	2545.9	2465.3	2415.3	2407.2	2412.0	2415.3
20°	2890.9	2908.6	2899.0	2876.4	2792.6	2699.0	2597.5	2537.8	2533.0	2537.8	2507.2
22.5°	3110.2	3116.6	3111.8	3074.7	2998.9	2874.8	2741.0	2673.2	2673.2	2678.1	2615.2
25°	3297.2	3335.9	3324.6	3279.5	3190.8	3082.8	2921.5	2837.7	2842.5	2845.8	2758.7
27.5°	3514.9	3547.1	3539.1	3505.2	3447.2	3310.1	3116.6	3061.8	3057.0	3052.1	2916.7
30°	3722.9	3747.1	3763.2	3755.1	3708.4	3579.4	3406.9	3366.5	3379.4	3369.8	3136.0
32.5°	3892.2	3934.1	3979.2	3988.9	3976.0	3861.5	3735.8	3756.7	3772.9	3887.3	3747.1
35°	4037.3	4082.4	4156.6	4234.0	4248.5	4203.3	4140.5	4293.6	4340.4	4574.2	4425.8
37.5°	4188.8	4227.5	4301.7	4424.2	4504.9	4529.0	4590.3	4832.2	4945.0	5146.6	4870.9
40°	4258.2	4296.9	4425.8	4580.6	4748.3	4883.8	5006.3	5286.8	5412.6	5473.9	5115.9
42.5°	4188.8	4225.9	4433.9	4725.7	4953.1	5253.0	5391.6	5672.2	5756.0	5749.6	5417.4
45°	4121.1	4156.6	4374.3	4762.8	5138.5	5593.2	5710.9	6025.3	6086.6	6009.2	5591.6
47.5°	4034.1	4082.4	4308.1	4740.3	5304.6	5901.1	6009.2	6276.8	6331.6	6217.1	5791.5
50°	3927.6	3969.6	4232.4	4704.8	5414.2	6131.7	6246.2	6512.2	6526.7	6420.3	5972.1
52.5°	3805.1	3827.7	4113.1	4633.8	5509.3	6301.0	6431.6	6710.5	6744.4	6715.4	6186.5
55°	3622.9	3663.2	3969.6	4522.6	5515.8	6389.7	6575.1	6991.1	7052.3	6984.6	6317.1
57.5°	3431.0	3474.6	3792.2	4367.8	5420.7	6446.1	6836.3	7355.5	7476.4	7258.7	6423.5
60°	3219.8	3258.5	3571.3	4138.9	5251.4	6526.7	7105.5	7782.7	7858.5	7492.5	6494.5
62.5°	2974.8	3005.4	3303.7	3861.5	4991.8	6505.8	7337.7	8126.1	8150.3	7702.1	6488.0
65°	2676.5	2674.9	2952.2	3474.6	4566.1	6338.1	7379.6	8298.7	8327.7	7837.5	6430.0
67.5°	2283.1	2278.2	2510.4	3002.2	4029.2	5901.1	7268.4	8459.9	8529.2	7979.4	6260.7
70°	1789.7	1796.1	1971.9	2410.4	3269.8	5235.2	6974.9	8351.9	8366.4	7706.9	5822.1
72.5°	1265.7	1262.5	1381.8	1678.4	2416.9	4087.3	6130.1	7615.0	7660.2	7033.0	5072.4
75°	580.4	604.6	902.9	1025.4	1459.2	2782.9	5043.4	6470.3	6557.4	6054.3	3955.0
77.5°	108.0	111.3	193.5	390.2	570.8	1004.5	3013.4	4382.3	4564.5	4126.0	2228.2
80°	85.5	87.1	114.5	187.0	238.6	451.5	991.6	1805.8	1846.1	1609.1	802.9
82.5°	62.9	64.5	85.5	120.9	111.3	195.1	412.8	525.6	557.9	519.2	319.2
85°	37.1	38.7	50.0	59.7	58.0	77.4	69.3	62.9	56.4	46.8	40.3
87.5°	9.7	12.9	21.0	21.0	16.1	14.5	12.9	11.3	12.9	11.3	11.3
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: P509198
 CATALOG NUMBER: VERD-CA2-130-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9	2079.9
2.5°	2094.4	2092.8	2097.6	2110.5	2121.8	2123.4	2139.6	2160.5	2150.8	2178.3	2168.6
5°	2117.0	2121.8	2139.6	2160.5	2179.9	2196.0	2220.2	2255.7	2244.4	2270.2	2260.5
7.5°	2168.6	2176.6	2204.1	2225.0	2247.6	2242.8	2263.7	2284.7	2258.9	2286.3	2273.4
10°	2229.9	2239.5	2255.7	2263.7	2257.3	2254.0	2249.2	2246.0	2212.1	2231.5	2223.4
12.5°	2284.7	2286.3	2281.4	2260.5	2246.0	2207.3	2189.5	2181.5	2129.9	2144.4	2134.7
15°	2337.9	2315.3	2291.1	2242.8	2202.4	2142.8	2104.1	2070.2	2021.9	2041.2	2021.9
17.5°	2395.9	2362.1	2299.2	2228.2	2146.0	2058.9	1996.1	1941.2	1868.7	1865.5	1859.0
20°	2470.1	2420.1	2318.5	2202.4	2084.7	1954.1	1854.2	1762.3	1652.6	1638.1	1609.1
22.5°	2563.6	2489.4	2347.6	2168.6	2009.0	1844.5	1675.2	1523.7	1385.0	1341.5	1325.3
25°	2671.6	2579.7	2363.7	2138.0	1936.4	1684.9	1454.3	1257.6	1094.8	1048.0	1035.1
27.5°	2807.1	2694.2	2387.9	2092.8	1820.3	1489.8	1189.9	972.2	827.1	751.3	740.1
30°	2994.1	2821.6	2421.7	2047.7	1680.0	1260.8	922.3	669.1	532.1	486.9	478.9
32.5°	3503.6	3124.7	2458.8	1967.0	1494.6	1006.1	612.7	427.3	335.4	298.3	295.1
35°	4150.1	3679.3	2594.2	1875.1	1270.5	698.1	380.5	254.7	204.8	190.3	190.3
37.5°	4567.7	4109.8	2820.0	1746.2	975.5	427.3	229.0	166.1	156.4	154.8	154.8
40°	4787.0	4300.1	2982.8	1568.8	653.0	248.3	161.2	143.5	140.3	137.0	137.0
42.5°	5065.9	4462.9	3123.1	1328.6	378.9	174.1	141.9	130.6	125.8	122.5	122.5
45°	5220.7	4640.3	3034.4	1043.2	216.1	156.4	130.6	117.7	112.9	112.9	112.9
47.5°	5372.3	4809.6	2921.5	749.7	183.8	143.5	122.5	109.6	104.8	108.0	108.0
50°	5544.8	4924.1	2742.6	561.1	174.1	133.8	111.3	100.0	96.7	101.6	101.6
52.5°	5706.0	4935.3	2455.6	448.2	161.2	124.1	103.2	91.9	88.7	91.9	91.9
55°	5752.8	4899.9	2373.4	356.3	153.2	114.5	96.7	85.5	77.4	77.4	75.8
57.5°	5741.5	4830.5	2173.4	301.5	143.5	104.8	88.7	75.8	66.1	62.9	62.9
60°	5702.8	4733.8	1962.2	262.8	133.8	96.7	79.0	64.5	54.8	51.6	51.6
62.5°	5654.4	4551.6	1663.9	229.0	124.1	93.5	66.1	53.2	46.8	43.5	43.5
65°	5451.3	4267.8	1331.8	195.1	114.5	82.2	58.0	46.8	40.3	37.1	37.1
67.5°	5114.3	3835.7	962.6	166.1	106.4	69.3	51.6	40.3	33.9	32.2	30.6
70°	4611.3	3239.2	596.6	143.5	91.9	62.9	45.1	35.5	30.6	25.8	25.8
72.5°	3843.8	2536.2	312.8	112.9	72.6	53.2	40.3	32.2	25.8	22.6	21.0
75°	2702.3	1564.0	225.7	87.1	50.0	43.5	33.9	27.4	22.6	19.3	17.7
77.5°	1304.4	538.5	158.0	64.5	35.5	32.2	25.8	22.6	17.7	16.1	16.1
80°	477.3	306.3	112.9	46.8	29.0	25.8	19.3	17.7	14.5	12.9	12.9
82.5°	214.4	145.1	64.5	30.6	21.0	19.3	14.5	11.3	11.3	11.3	11.3
85°	35.5	30.6	21.0	14.5	11.3	9.7	9.7	8.1	8.1	8.1	8.1
87.5°	9.7	9.7	8.1	8.1	6.4	4.8	3.2	3.2	3.2	4.8	4.8
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)