

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: P654200

Luminaire Tested: **GLAN-SA2B-840-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-840-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8156.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

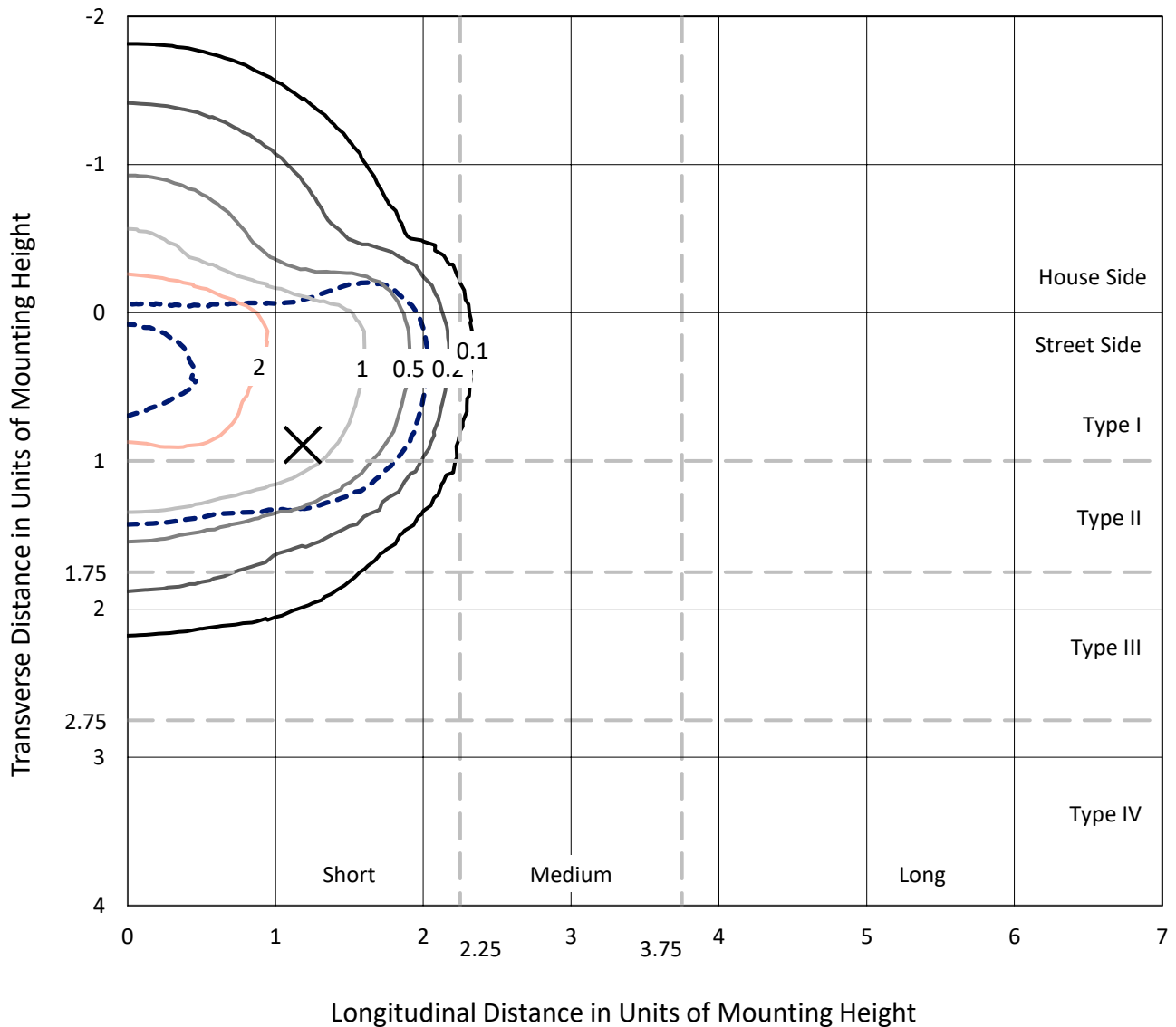
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

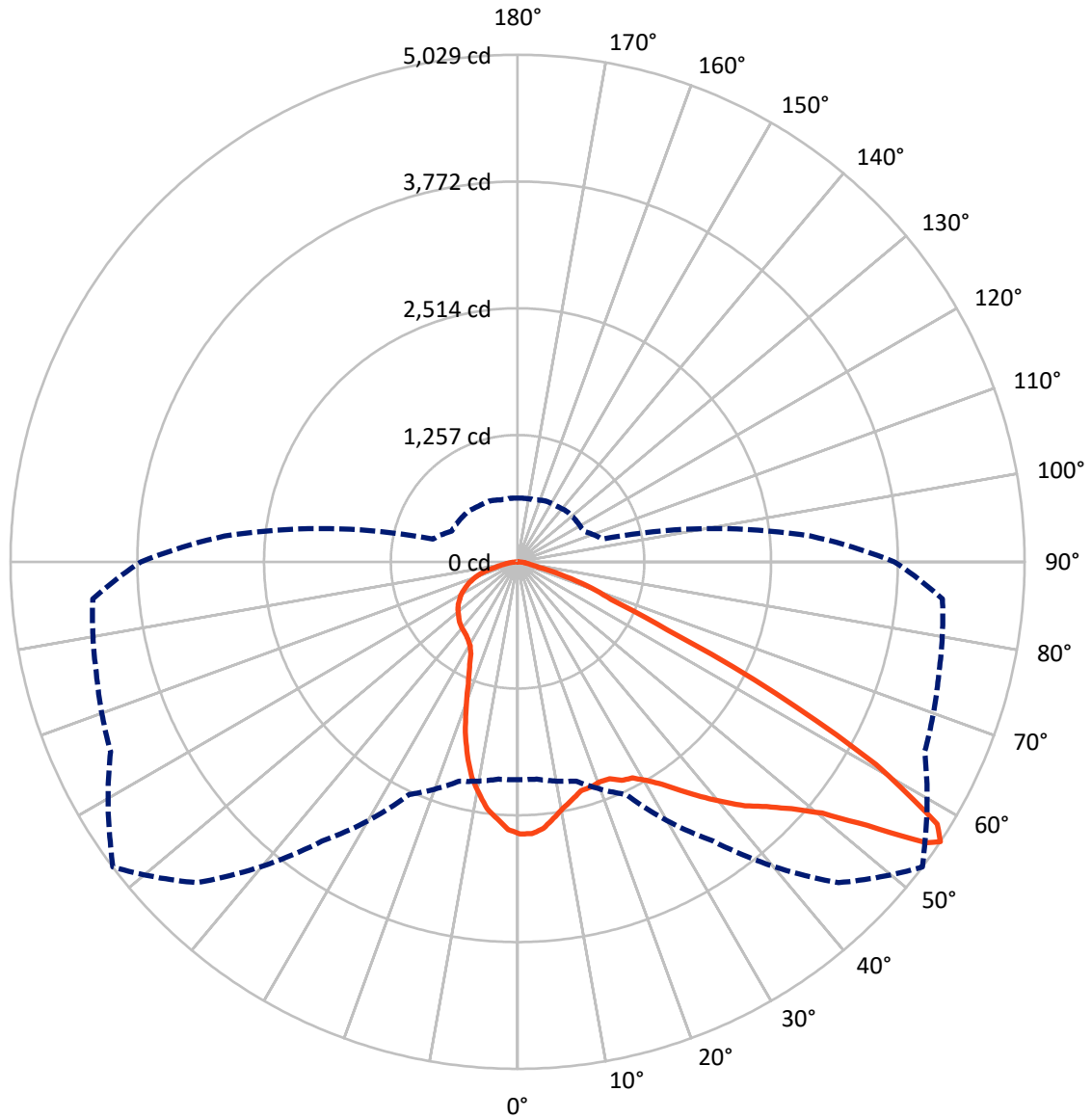
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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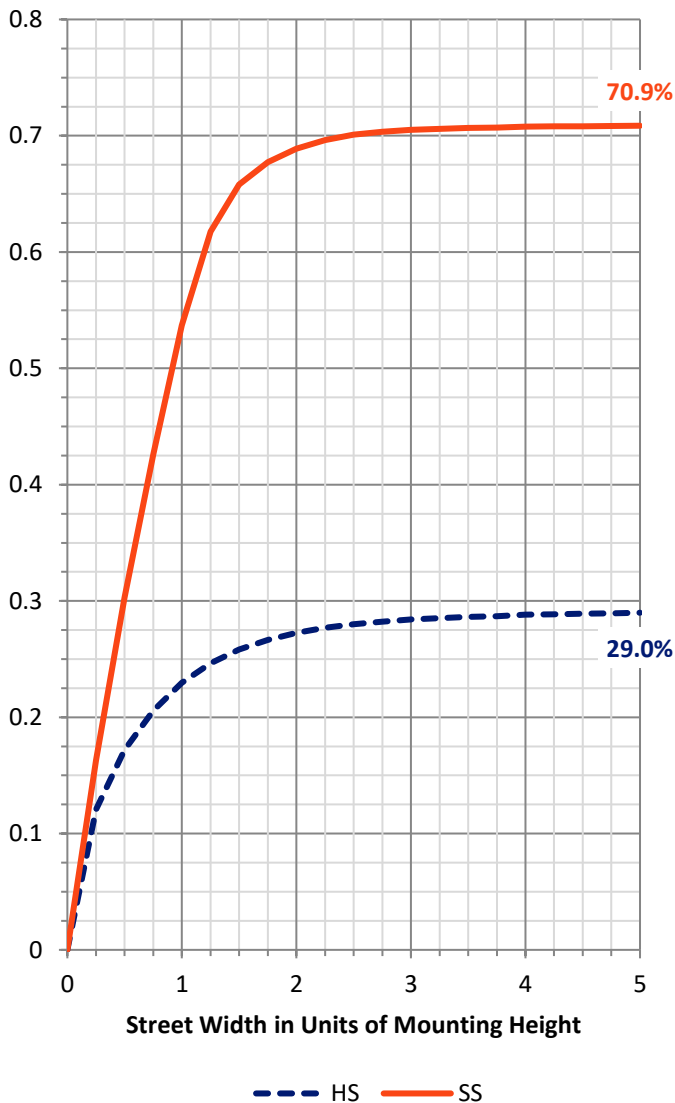
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2380.4	0.0	2380.4
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	5776.5	0.0	5776.5
	% Fixture	70.8	0.0	70.8
Total	Lumens	8156.9	0.0	8156.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.9	2.9
10°-20°	596.7	7.3
20°-30°	879.9	10.8
30°-40°	1257.1	15.4
40°-50°	1730.3	21.2
50°-60°	2044.7	25.1
60°-70°	1089.7	13.4
70°-80°	276.5	3.4
80°-90°	43.1	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°	8156.9	100.0
0°-180°	8156.9	100.0

Coefficient of Utilization



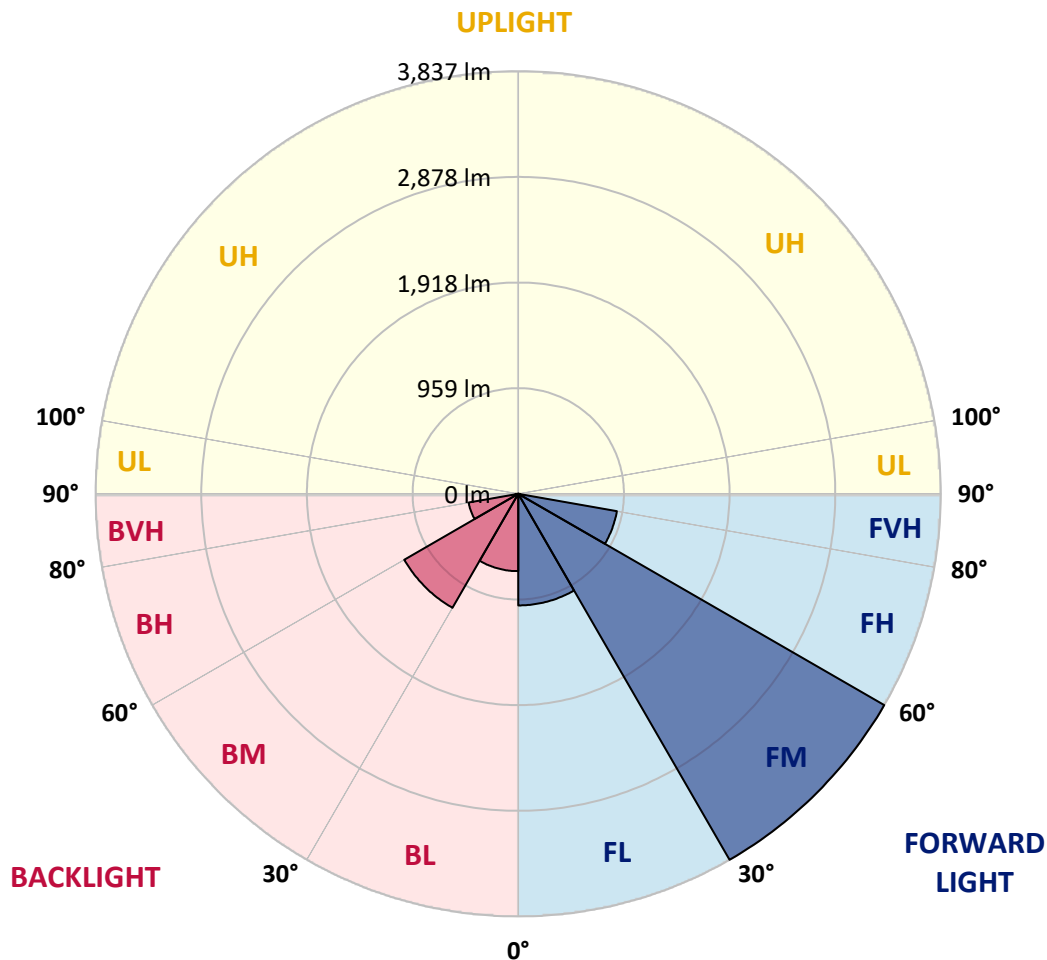
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.4	12.4			
FM (30°-60°)	3836.8	47.0			
FH (60°-80°)	909.0	11.1			G1/1800
FVH (80°-90°)	17.3	0.2			G1/100
BL (0°-30°)	702.1	8.6	B2/1000		
BM (30°-60°)	1195.3	14.7	B2/2500		
BH (60°-80°)	457.2	5.6	B1/500		G1/500
BVH (80°-90°)	25.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2665.1	2642.1	2655.7	2650.5	2693.4	2705.9	2699.7	2704.9	2729.0	2717.4	2693.4
5°	2490.4	2522.8	2529.1	2544.8	2569.9	2619.1	2657.8	2668.2	2679.8	2733.2	2727.9
7.5°	2331.3	2353.3	2341.8	2387.9	2442.3	2521.7	2568.8	2577.2	2682.9	2712.2	2734.2
10°	2230.9	2208.9	2261.2	2273.8	2335.5	2426.5	2483.1	2517.6	2613.8	2730.0	2743.6
12.5°	2137.7	2130.4	2161.8	2197.4	2266.5	2360.6	2418.2	2431.8	2580.4	2702.8	2766.6
15°	2068.7	2060.3	2091.7	2117.9	2198.5	2282.1	2355.4	2394.1	2543.8	2687.1	2746.7
17.5°	2014.3	2013.3	2031.0	2078.1	2160.8	2230.9	2349.1	2351.2	2524.9	2711.1	2763.5
20°	2011.2	2010.1	2013.3	2065.6	2140.8	2226.7	2329.2	2348.1	2524.9	2694.4	2764.5
22.5°	2037.3	2020.6	2039.4	2072.9	2127.3	2234.0	2336.6	2378.4	2585.6	2777.1	2811.6
25°	2079.1	2083.3	2093.8	2105.3	2136.7	2250.8	2401.5	2436.0	2656.7	2848.2	2876.5
27.5°	2155.6	2153.5	2157.7	2163.9	2191.1	2266.5	2427.6	2516.5	2805.3	2974.9	2946.6
30°	2267.5	2260.2	2276.9	2298.9	2273.8	2316.7	2514.4	2581.4	2943.5	3102.5	3025.1
32.5°	2369.0	2396.2	2427.6	2437.0	2406.7	2415.0	2629.6	2697.6	3058.5	3259.5	3121.4
35°	2495.6	2517.6	2559.4	2588.8	2583.5	2558.4	2786.5	2876.5	3224.9	3374.6	3222.9
37.5°	2619.1	2645.3	2714.3	2801.1	2753.0	2741.5	2953.9	3028.2	3276.2	3436.3	3297.1
40°	2817.9	2816.8	2936.1	2981.1	3024.1	3004.1	3127.6	3152.7	3303.4	3422.7	3299.2
42.5°	3051.2	3036.6	3158.0	3228.1	3283.5	3285.6	3308.7	3300.3	3316.0	3353.7	3277.3
45°	3273.1	3304.5	3426.9	3552.5	3607.9	3614.2	3461.4	3445.7	3337.9	3333.7	3235.4
47.5°	3544.1	3551.4	3651.9	3817.2	3945.9	3902.0	3659.2	3624.6	3434.2	3466.7	3305.6
50°	3559.8	3614.2	3704.2	3898.8	4294.3	4282.8	3915.5	3850.7	3589.1	3655.0	3501.2
52.5°	3231.2	3218.7	3325.4	3643.5	4268.2	4661.6	4340.4	4185.5	3921.8	3871.6	3818.2
55°	2462.1	2491.5	2585.6	2906.8	3706.3	4666.9	4919.0	4792.4	4277.6	4191.8	4130.1
56°	2159.7	2163.9	2252.9	2545.9	3381.9	4500.4	5028.9	4926.3	4454.4	4323.7	4229.5
57.5°	1790.3	1766.3	1812.4	1972.4	2854.5	4148.9	4908.6	5009.0	4661.6	4466.0	4335.2
60°	1409.4	1404.2	1385.4	1414.7	1803.9	3125.5	4086.1	4312.1	4640.7	4332.0	4152.0
62.5°	1151.0	1124.8	1162.5	1204.4	1253.6	1938.9	2871.3	3004.1	3684.3	3458.3	3119.3
65°	892.6	880.0	927.1	1063.1	1092.5	1231.6	1635.5	1738.0	2175.4	2136.7	1881.4
67.5°	614.2	616.3	657.2	864.3	1012.9	1000.4	1001.4	1054.8	1135.4	843.4	734.5
70°	389.2	388.2	410.2	556.7	815.1	823.5	781.6	766.0	726.2	439.5	465.7
72.5°	250.1	242.8	254.2	307.6	421.7	487.6	502.2	511.7	420.7	345.3	374.6
75°	141.3	134.0	129.8	143.4	166.3	192.5	211.3	217.7	243.8	261.6	277.3
77.5°	42.9	38.7	47.1	62.8	82.7	110.9	135.0	139.2	164.2	185.2	200.9
80°	18.8	20.9	29.3	41.9	58.6	78.5	95.2	101.5	118.2	134.0	138.1
82.5°	11.5	12.5	19.8	28.3	40.8	55.4	68.0	70.1	86.9	99.4	102.5
85°	4.2	5.2	10.4	16.7	26.2	35.6	35.6	38.7	35.6	35.6	38.7
87.5°	0.0	0.0	1.0	2.1	2.1	3.1	4.2	4.2	5.2	6.3	7.3
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°	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6	2698.6
2.5°	2705.9	2700.7	2692.3	2662.0	2658.8	2649.4	2597.1	2588.8	2597.1	2572.0	2574.1
5°	2700.7	2716.4	2653.6	2623.2	2566.7	2525.9	2478.8	2454.8	2411.9	2384.7	2415.0
7.5°	2723.7	2717.4	2639.0	2573.0	2488.3	2384.7	2302.1	2255.0	2179.6	2158.7	2174.4
10°	2715.3	2681.9	2589.8	2502.9	2342.9	2251.8	2117.9	1988.1	1917.0	1880.3	1875.1
12.5°	2703.8	2694.4	2540.6	2391.0	2222.5	2031.0	1842.6	1720.3	1604.1	1553.8	1561.2
15°	2717.4	2637.9	2448.5	2259.1	2035.2	1784.1	1581.1	1423.1	1342.5	1310.0	1310.0
17.5°	2711.1	2610.7	2404.6	2111.6	1828.0	1530.9	1308.0	1212.7	1179.3	1179.3	1188.7
20°	2714.3	2628.5	2315.6	1964.1	1583.2	1289.2	1126.9	1092.5	1107.1	1112.3	1117.5
22.5°	2732.1	2569.9	2228.8	1801.8	1356.1	1102.9	1023.3	1024.4	1050.6	1078.8	1073.6
25°	2754.1	2546.9	2123.1	1640.7	1182.4	1011.8	986.7	983.6	1003.5	1018.1	1020.2
27.5°	2735.3	2507.1	2015.3	1439.8	1040.1	951.2	946.0	948.1	954.3	983.6	974.2
30°	2797.0	2518.6	1880.3	1271.3	961.6	931.2	925.0	921.8	931.2	939.6	932.3
32.5°	2873.4	2477.8	1779.9	1109.2	922.9	916.6	904.1	899.9	905.1	896.8	901.0
35°	2906.8	2470.5	1649.1	993.1	892.6	887.3	880.0	878.9	880.0	872.7	866.4
37.5°	2925.7	2505.0	1499.4	939.6	873.7	878.9	862.2	860.1	841.3	845.5	848.7
40°	2958.1	2451.7	1378.1	888.3	862.2	851.8	837.1	833.9	821.4	814.1	821.4
42.5°	2911.0	2436.0	1258.8	866.4	845.5	833.9	823.5	805.7	801.6	795.2	791.0
45°	2873.4	2346.0	1152.1	839.2	825.6	819.3	799.5	780.6	764.9	771.2	761.8
47.5°	2901.6	2314.6	1046.4	816.2	798.4	791.0	771.2	756.6	740.8	733.5	731.4
50°	3014.6	2373.2	957.4	799.5	775.4	771.2	745.0	728.3	713.6	708.4	710.5
52.5°	3284.6	2533.3	896.8	764.9	753.4	734.5	719.9	699.0	689.5	672.8	683.3
55°	3626.7	2793.8	881.0	732.4	726.2	709.5	689.5	673.9	656.1	642.4	639.3
56°	3736.6	2918.4	868.5	719.9	709.5	700.0	673.9	664.5	636.2	633.0	631.0
57.5°	3825.5	3028.2	870.6	695.8	685.4	677.0	661.3	638.3	619.5	608.0	613.2
60°	3624.6	2834.7	830.8	659.3	657.2	641.4	619.5	609.0	586.0	572.4	569.2
62.5°	2694.4	1924.3	673.9	612.2	611.1	594.3	569.2	557.8	553.5	534.7	534.7
65°	1551.8	1206.5	582.8	573.4	565.1	548.3	523.2	513.8	503.3	497.0	491.8
67.5°	662.4	625.7	529.5	528.4	519.0	498.0	473.0	458.3	444.7	432.2	438.4
70°	480.3	487.6	478.2	473.0	461.5	435.3	413.4	395.5	374.6	366.3	372.5
72.5°	380.9	396.6	410.2	411.2	397.6	367.3	343.2	319.2	296.1	284.6	289.8
75°	288.8	299.2	312.9	316.0	296.1	275.2	252.2	227.1	209.2	195.7	197.8
77.5°	208.2	206.1	218.7	216.6	207.2	192.5	171.6	148.6	128.7	116.1	117.2
80°	142.3	145.4	152.8	151.7	140.2	130.8	115.1	96.3	81.6	71.1	69.0
82.5°	99.4	104.6	110.9	105.7	96.3	86.9	75.4	61.7	50.2	41.9	39.8
85°	35.6	40.8	47.1	50.2	53.4	51.3	42.9	34.6	25.1	20.9	19.8
87.5°	7.3	8.4	9.4	9.4	9.4	8.4	7.3	7.3	6.3	3.1	3.1
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)