

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: McGRAW-EDISON

Report Number: P197532

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-LWR-LW-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C6-LED-E1-5CQ-PM-LWR-LW-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (160) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10845.4 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G1

Input Watts (W): 108  
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: 25 FT

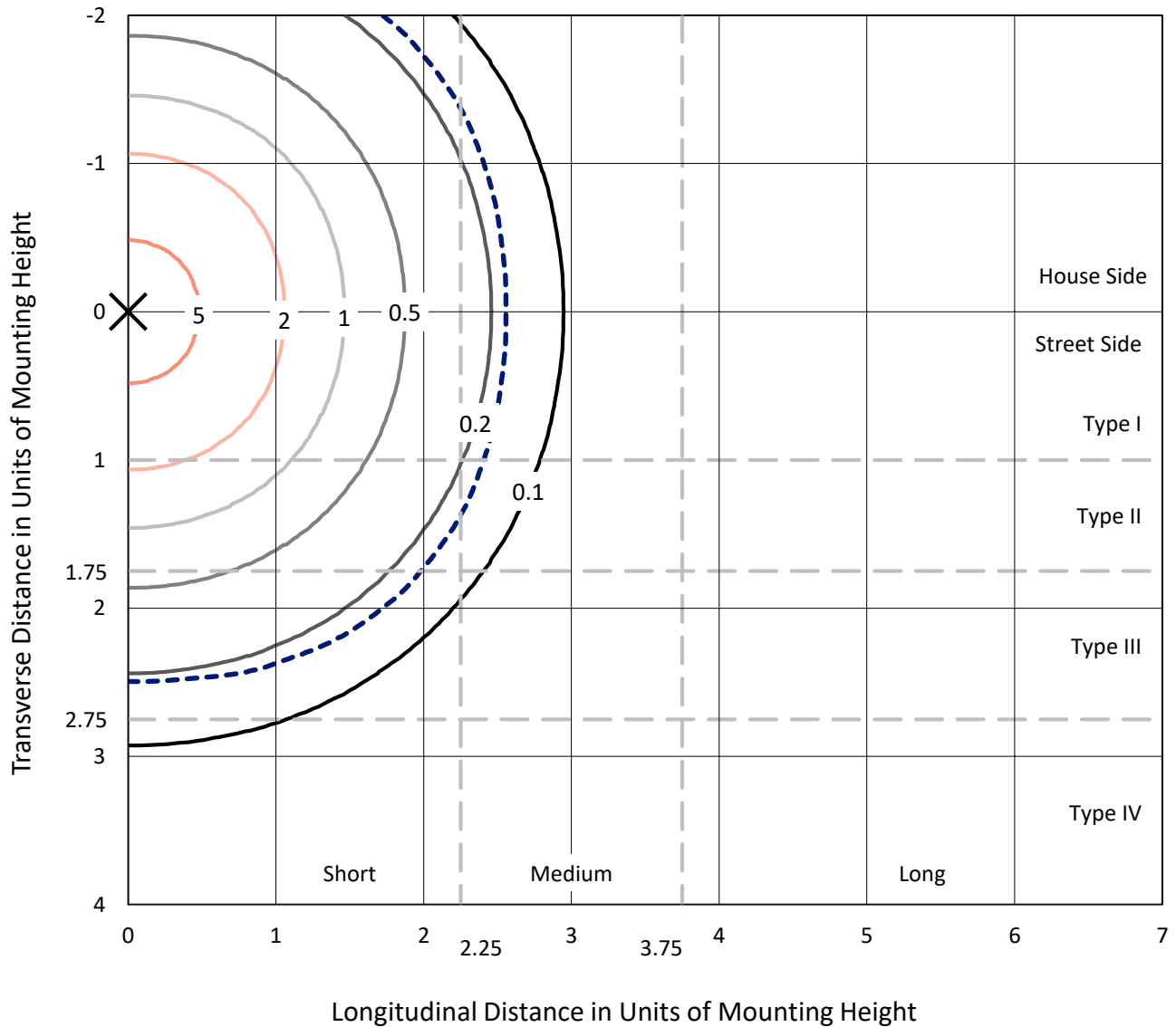


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

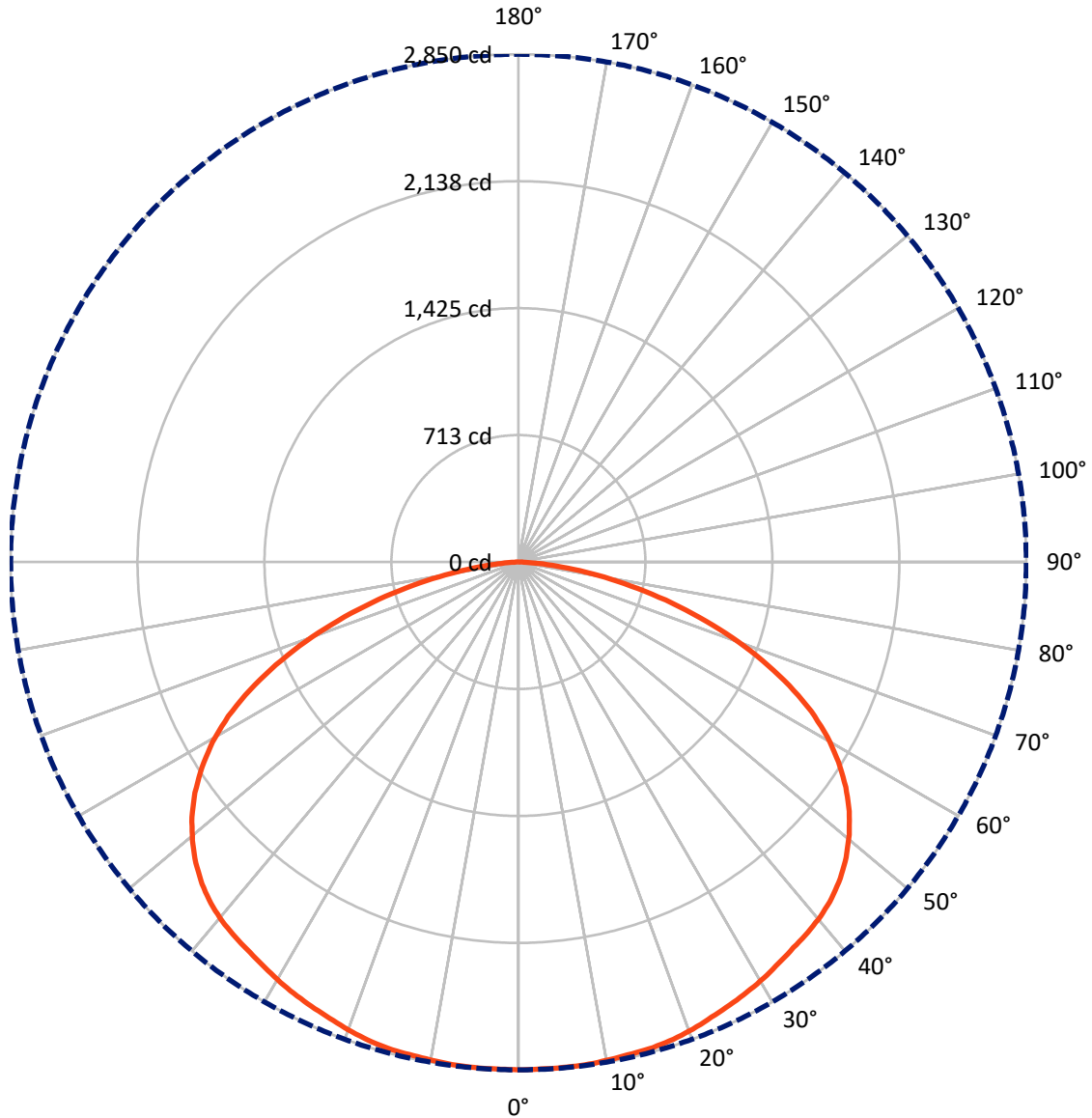


Based on 20 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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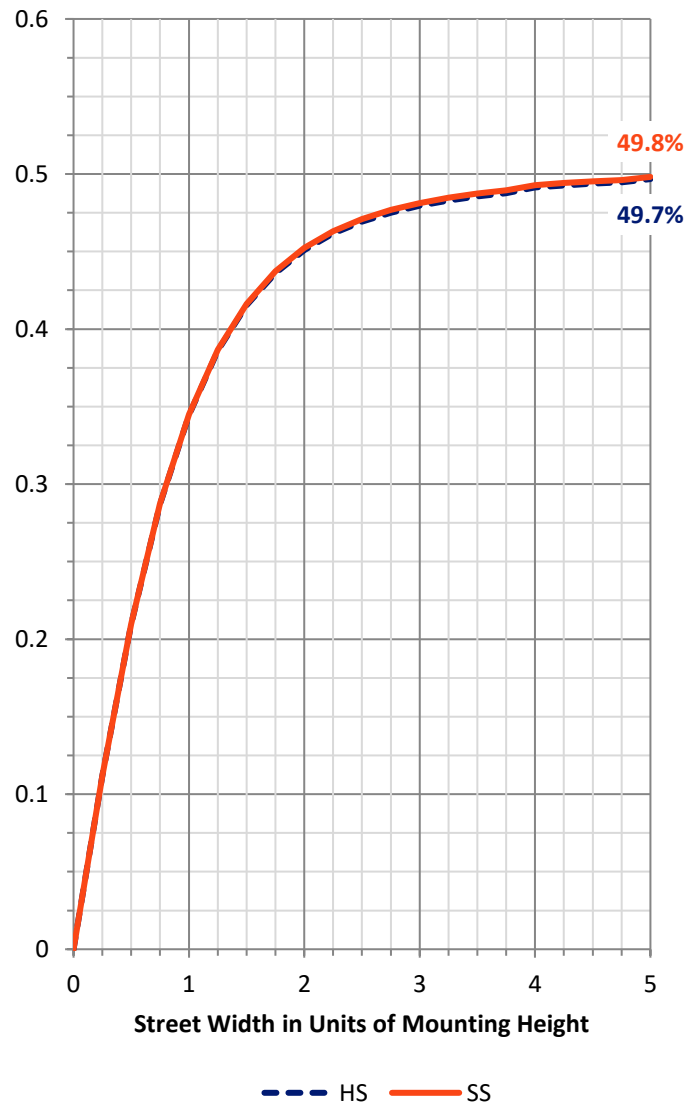
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5422.7	0.0	5422.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5422.7	0.0	5422.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10845.4	0.0	10845.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.6	2.5
10°-20°	799.8	7.4
20°-30°	1273.8	11.7
30°-40°	1670.1	15.4
40°-50°	1969.7	18.2
50°-60°	2040.0	18.8
60°-70°	1706.0	15.7
70°-80°	929.9	8.6
80°-90°	184.6	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°	10845.4	100.0
0°-180°	10845.4	100.0



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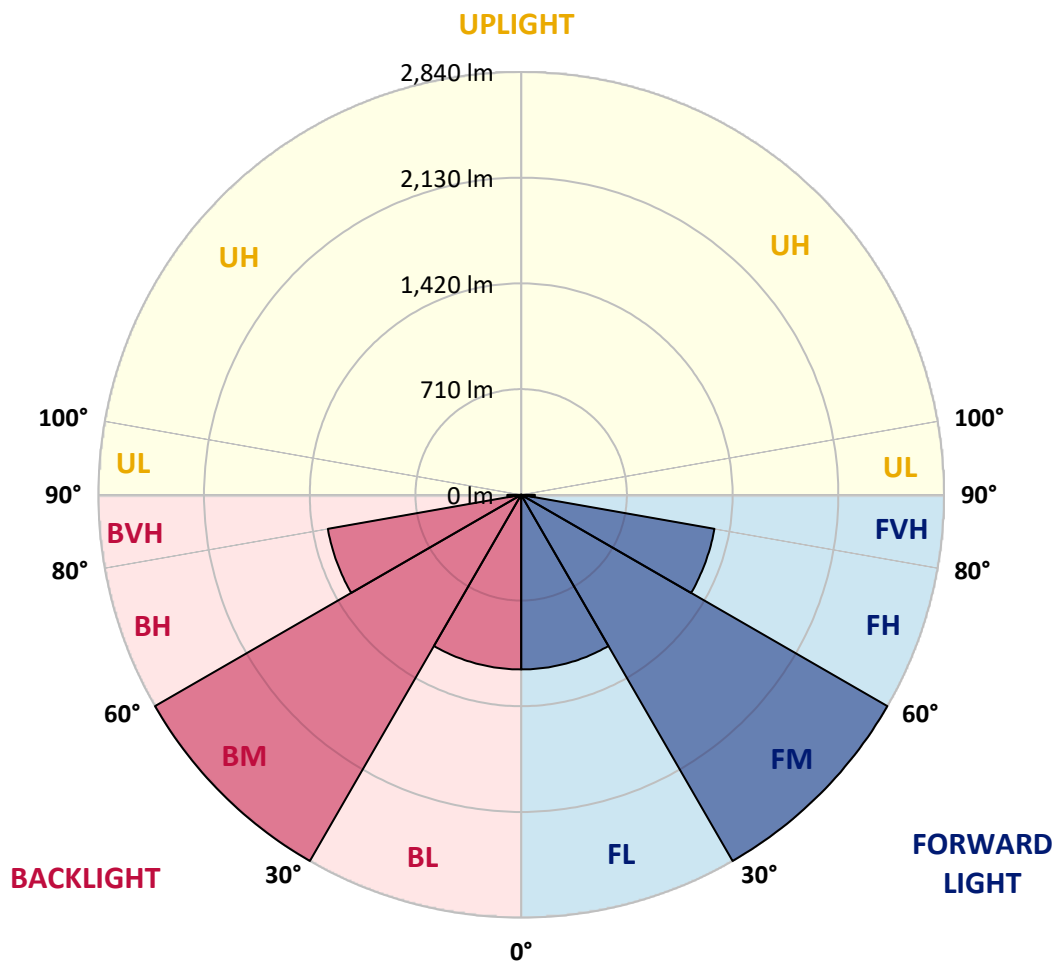
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1172.6	10.8			
FM	(30°-60°)	2839.9	26.2			
FH	(60°-80°)	1318.0	12.2			G1/1800
FVH	(80°-90°)	92.3	0.9			G1/100
BL	(0°-30°)	1172.6	10.8	B3/2500		
BM	(30°-60°)	2839.9	26.2	B3/5000		
BH	(60°-80°)	1318.0	12.2	B3/2500		G1/1800
BVH	(80°-90°)	92.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2
2.5°	2847.9	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2847.9	2850.2	2850.2
5°	2847.9	2847.9	2847.9	2847.9	2850.2	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9
7.5°	2845.7	2843.3	2843.3	2843.3	2843.3	2843.3	2845.7	2845.7	2845.7	2845.7	2845.7
10°	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8
12.5°	2831.9	2831.9	2831.9	2831.9	2834.3	2834.3	2834.3	2834.3	2834.3	2834.3	2831.9
15°	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4	2827.4
17.5°	2816.0	2816.0	2816.0	2816.0	2818.3	2818.3	2818.3	2818.3	2818.3	2818.3	2818.3
20°	2797.7	2797.7	2797.7	2797.7	2797.7	2800.0	2802.3	2802.3	2802.3	2802.3	2802.3
22.5°	2774.9	2774.9	2777.2	2777.2	2779.4	2779.4	2781.8	2781.8	2781.8	2781.8	2781.8
25°	2754.3	2754.3	2754.3	2756.6	2756.6	2756.6	2759.0	2761.2	2761.2	2761.2	2759.0
27.5°	2733.8	2733.8	2733.8	2736.1	2736.1	2736.1	2738.4	2738.4	2740.7	2738.4	2738.4
30°	2711.0	2708.7	2708.7	2711.0	2713.3	2713.3	2715.6	2715.6	2715.6	2715.6	2713.3
32.5°	2683.7	2683.7	2685.9	2688.2	2688.2	2690.4	2692.7	2692.7	2692.7	2695.1	2690.4
35°	2658.5	2660.8	2660.8	2663.1	2667.6	2669.9	2672.2	2674.5	2674.5	2674.5	2669.9
37.5°	2637.9	2640.3	2642.6	2647.1	2651.7	2656.2	2660.8	2665.4	2663.1	2663.1	2656.2
40°	2612.9	2615.1	2619.8	2624.3	2633.4	2637.9	2644.8	2649.4	2651.7	2649.4	2642.6
42.5°	2578.7	2580.9	2585.5	2592.3	2603.7	2612.9	2619.8	2626.5	2628.8	2626.5	2619.8
45°	2533.1	2535.3	2539.8	2549.0	2562.6	2571.8	2583.2	2590.1	2594.6	2594.6	2587.8
47.5°	2475.9	2478.2	2485.1	2494.2	2507.9	2519.3	2533.1	2542.1	2546.7	2551.2	2544.5
50°	2405.3	2407.5	2416.7	2428.1	2439.5	2455.4	2471.4	2485.1	2492.0	2494.2	2492.0
52.5°	2325.3	2327.6	2336.7	2348.1	2364.2	2382.4	2400.6	2416.7	2425.8	2430.3	2425.8
55°	2229.5	2234.1	2240.9	2256.9	2275.2	2291.1	2313.9	2332.2	2343.6	2345.9	2343.6
57.5°	2117.7	2124.6	2131.4	2149.6	2167.9	2190.7	2208.9	2227.2	2240.9	2243.2	2243.2
60°	1992.2	1996.8	2003.6	2021.8	2042.4	2058.3	2083.5	2101.7	2113.1	2113.1	2115.4
62.5°	1843.8	1848.4	1859.8	1873.5	1896.3	1912.3	1932.9	1951.1	1962.5	1967.1	1964.8
65°	1670.4	1675.0	1681.8	1700.1	1718.4	1736.6	1757.1	1773.1	1784.5	1786.8	1784.5
67.5°	1478.8	1483.3	1487.8	1510.6	1528.9	1535.8	1560.9	1574.5	1581.4	1583.7	1583.7
70°	1275.7	1277.9	1284.7	1296.2	1316.7	1323.5	1339.6	1351.0	1355.5	1364.6	1357.8
72.5°	1063.4	1067.9	1084.0	1086.2	1102.2	1111.3	1115.9	1115.9	1127.3	1127.3	1129.6
75°	853.4	855.8	862.6	864.8	876.3	876.3	874.0	878.6	887.7	887.7	890.0
77.5°	645.8	645.8	657.2	648.1	652.7	643.5	648.1	643.5	650.3	648.1	650.3
80°	451.8	451.8	458.7	449.6	451.8	442.7	445.0	442.7	442.7	445.0	445.0
82.5°	278.4	280.7	285.3	278.4	278.4	271.5	273.8	276.2	276.2	273.8	271.5
85°	136.9	136.9	141.5	139.2	136.9	132.3	134.7	136.9	136.9	134.7	134.7
87.5°	36.5	36.5	38.8	38.8	36.5	34.2	36.5	38.8	38.8	38.8	36.5
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2	2850.2
2.5°	2847.9	2847.9	2850.2	2847.9	2850.2	2847.9	2850.2	2850.2
5°	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9	2847.9
7.5°	2843.3	2845.7	2843.3	2843.3	2843.3	2845.7	2843.3	2845.7
10°	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8
12.5°	2831.9	2831.9	2831.9	2831.9	2831.9	2831.9	2831.9	2829.7
15°	2827.4	2825.1	2825.1	2825.1	2822.8	2822.8	2822.8	2822.8
17.5°	2818.3	2816.0	2813.7	2813.7	2813.7	2813.7	2811.4	2811.4
20°	2802.3	2800.0	2797.7	2797.7	2795.4	2795.4	2793.2	2793.2
22.5°	2779.4	2779.4	2777.2	2774.9	2774.9	2772.6	2772.6	2770.4
25°	2759.0	2756.6	2754.3	2752.1	2749.8	2749.8	2747.5	2745.2
27.5°	2736.1	2731.5	2729.3	2727.0	2724.7	2722.4	2720.1	2717.9
30°	2711.0	2706.5	2701.9	2699.6	2695.1	2690.4	2688.2	2685.9
32.5°	2685.9	2681.3	2674.5	2667.6	2663.1	2658.5	2654.0	2651.7
35°	2665.4	2656.2	2649.4	2640.3	2633.4	2626.5	2624.3	2622.0
37.5°	2649.4	2640.3	2628.8	2619.8	2612.9	2603.7	2599.2	2594.6
40°	2633.4	2622.0	2608.4	2596.9	2587.8	2576.4	2571.8	2567.3
42.5°	2610.6	2596.9	2583.2	2569.5	2555.9	2544.5	2537.6	2533.1
45°	2578.7	2565.0	2549.0	2530.7	2517.0	2503.4	2496.5	2492.0
47.5°	2535.3	2521.6	2503.4	2487.3	2471.4	2457.7	2448.6	2444.0
50°	2482.8	2469.2	2450.9	2432.6	2416.7	2400.6	2393.8	2387.0
52.5°	2416.7	2405.3	2384.7	2370.9	2352.8	2336.7	2329.9	2325.3
55°	2334.5	2323.1	2302.5	2288.9	2270.6	2256.9	2247.8	2240.9
57.5°	2234.1	2225.0	2202.1	2188.5	2170.2	2156.5	2149.6	2145.0
60°	2110.8	2101.7	2078.9	2065.2	2049.3	2033.2	2028.7	2024.1
62.5°	1957.9	1953.4	1935.1	1919.1	1903.2	1887.2	1882.6	1880.4
65°	1780.0	1775.4	1759.5	1745.7	1732.0	1718.4	1713.7	1709.2
67.5°	1576.9	1574.5	1560.9	1549.5	1540.3	1526.7	1524.4	1519.8
70°	1360.0	1355.5	1344.1	1335.0	1328.1	1316.7	1314.4	1309.9
72.5°	1134.1	1131.8	1125.1	1113.7	1113.7	1097.6	1095.4	1093.1
75°	885.4	896.8	887.7	883.1	883.1	874.0	874.0	871.7
77.5°	648.1	659.5	666.3	657.2	666.3	657.2	657.2	654.9
80°	442.7	451.8	458.7	451.8	463.2	456.4	456.4	465.5
82.5°	269.3	278.4	282.9	280.7	287.6	285.3	282.9	289.8
85°	132.3	136.9	139.2	139.2	141.5	136.9	141.5	143.7
87.5°	34.2	36.5	38.8	36.5	38.8	38.8	38.8	41.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)