

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: P197556

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)
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-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11575.5 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

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

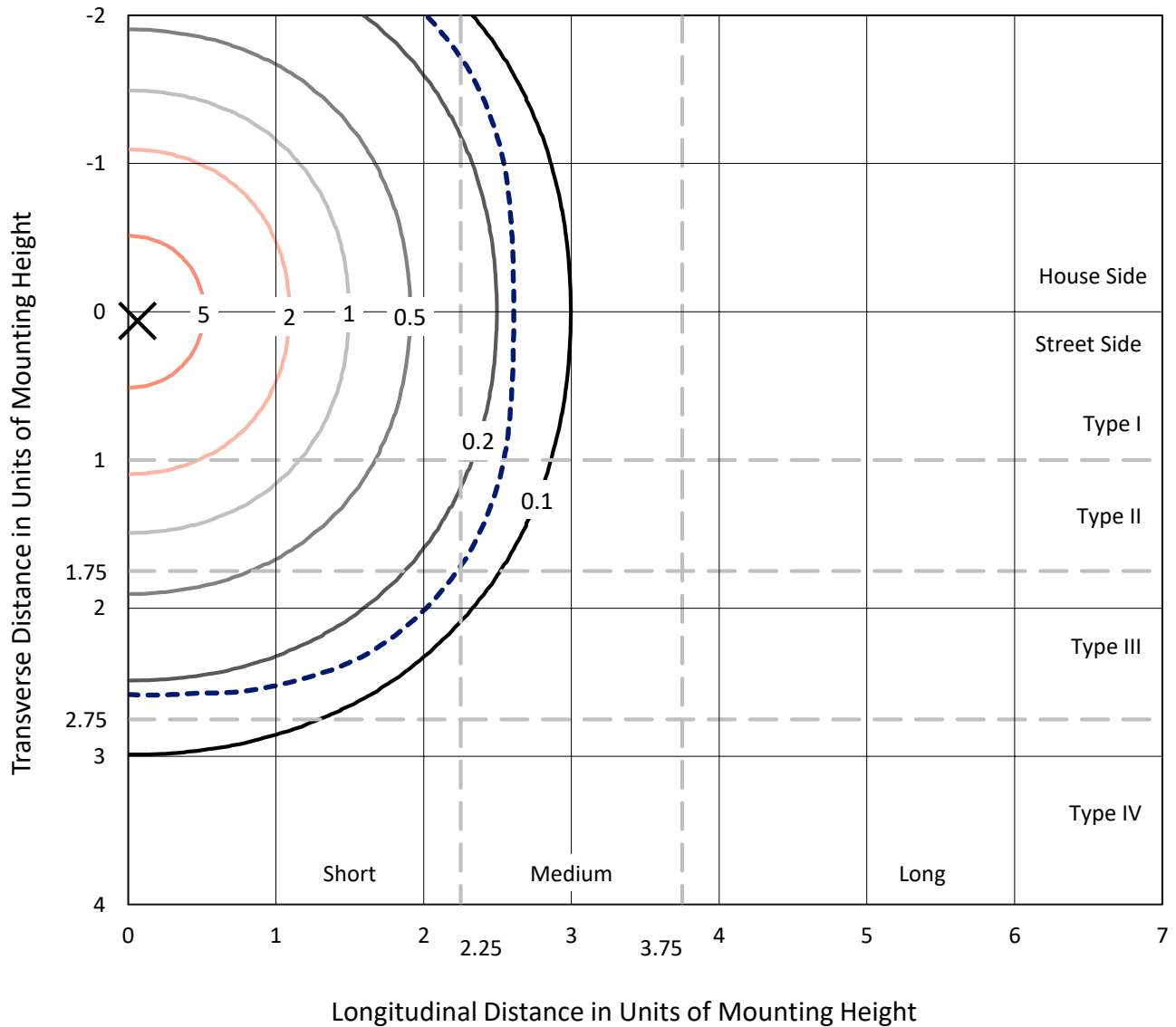


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Iso-Footcandle Lines of Horizontal Illumination

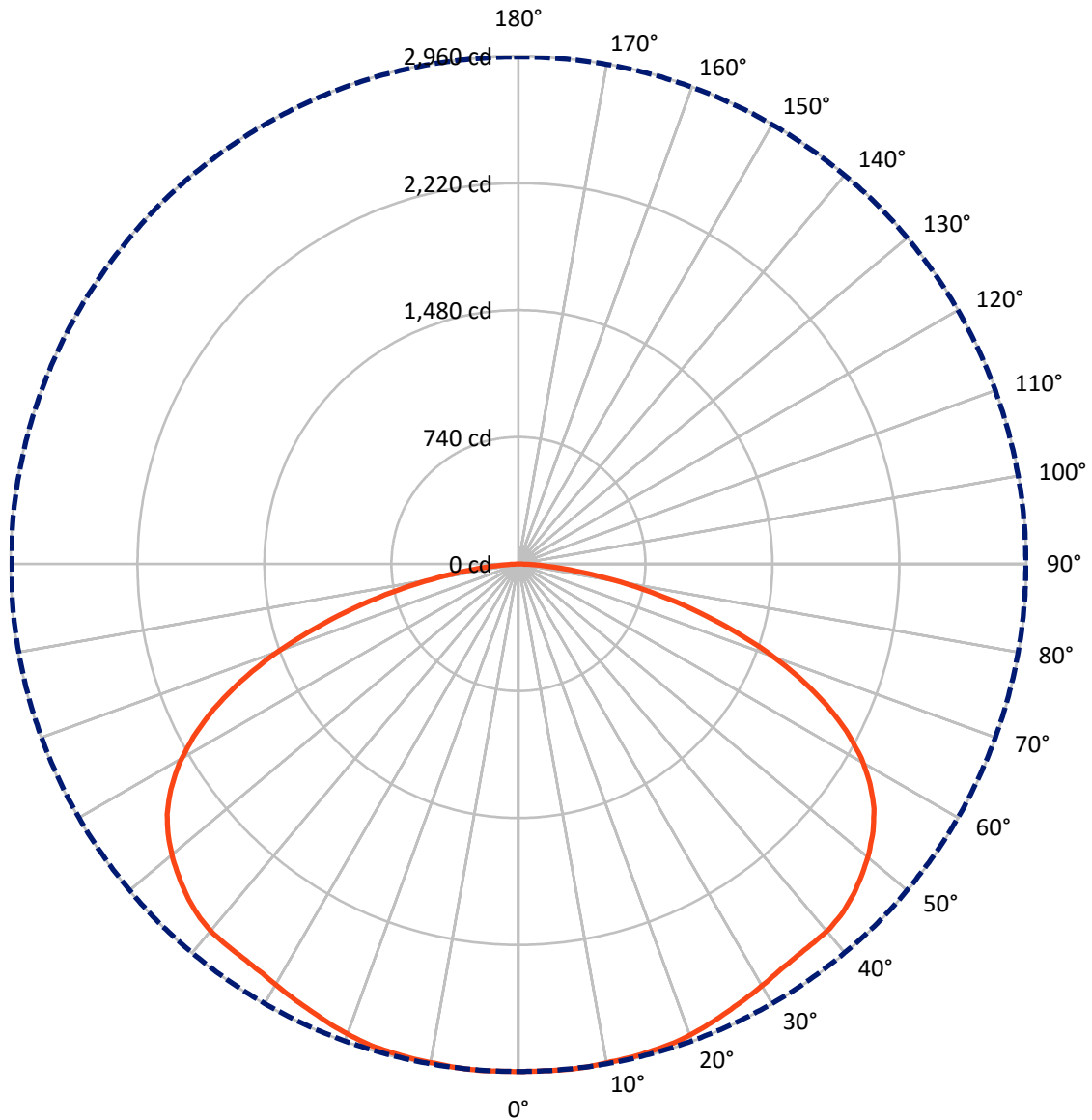
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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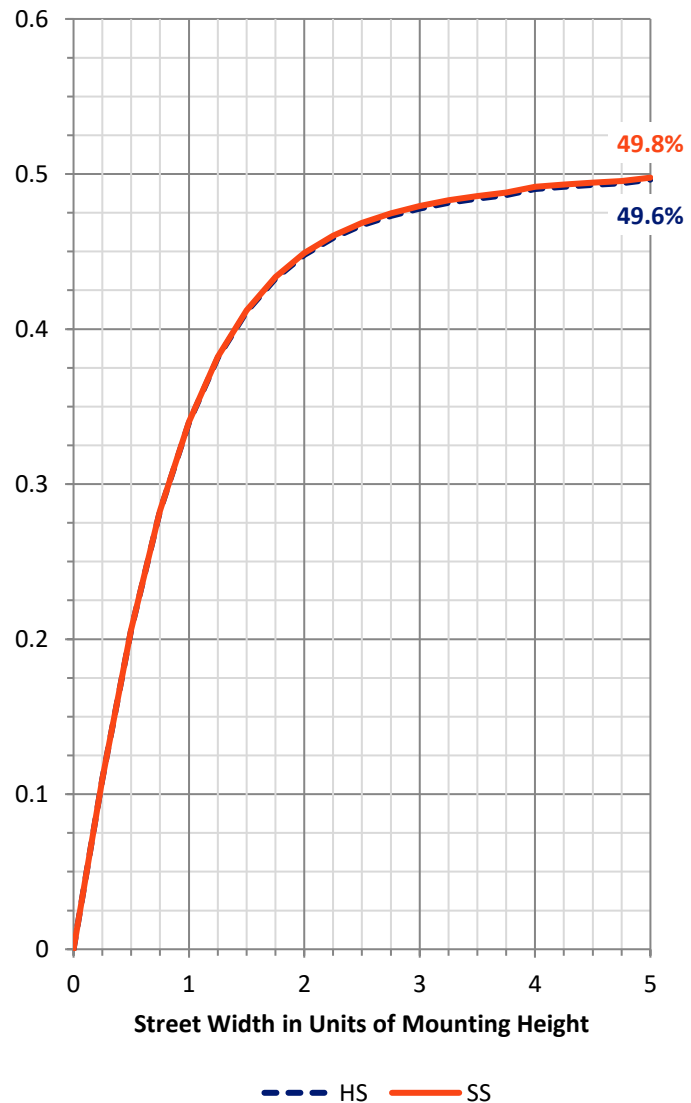
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5787.8	0.0	5787.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5787.8	0.0	5787.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11575.5	0.0	11575.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.1	2.4
10°-20°	832.0	7.2
20°-30°	1327.7	11.5
30°-40°	1748.8	15.1
40°-50°	2080.3	18.0
50°-60°	2177.2	18.8
60°-70°	1851.5	16.0
70°-80°	1052.2	9.1
80°-90°	223.7	1.9
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°	11575.5	100.0
0°-180°	11575.5	100.0



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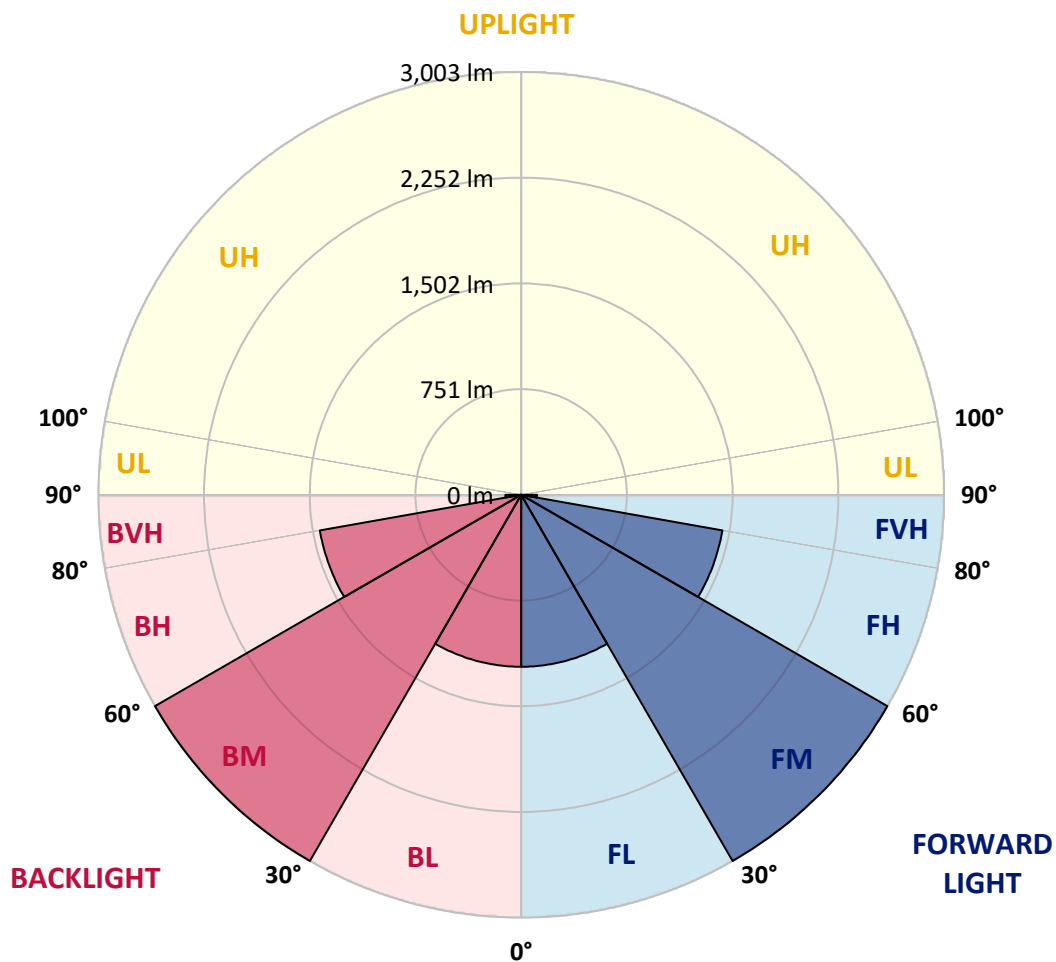
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1220.9	10.5			
FM	(30°-60°)	3003.2	25.9			
FH	(60°-80°)	1451.8	12.5			G1/1800
FVH	(80°-90°)	111.9	1.0			G2/225
BL	(0°-30°)	1220.9	10.5	B3/2500		
BM	(30°-60°)	3003.2	25.9	B3/5000		
BH	(60°-80°)	1451.8	12.5	B3/2500		G1/1800
BVH	(80°-90°)	111.9	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5
2.5°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5
5°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2959.7	2957.5
7.5°	2955.2	2955.2	2955.2	2955.2	2957.5	2955.2	2955.2	2957.5	2957.5	2957.5	2957.5
10°	2950.6	2948.3	2948.3	2950.6	2950.6	2950.6	2950.6	2950.6	2952.9	2950.6	2950.6
12.5°	2943.8	2941.5	2943.8	2943.8	2943.8	2946.1	2946.1	2946.1	2948.3	2948.3	2946.1
15°	2936.9	2936.9	2936.9	2936.9	2936.9	2939.2	2939.2	2941.5	2941.5	2941.5	2941.5
17.5°	2927.8	2927.8	2927.8	2930.0	2930.0	2932.4	2932.4	2932.4	2934.6	2934.6	2934.6
20°	2911.8	2909.6	2911.8	2911.8	2914.1	2916.4	2916.4	2918.6	2918.6	2918.6	2918.6
22.5°	2889.0	2889.0	2891.3	2891.3	2893.6	2895.8	2895.8	2898.1	2898.1	2898.1	2898.1
25°	2866.2	2868.5	2868.5	2870.7	2870.7	2873.0	2875.3	2875.3	2875.3	2875.3	2875.3
27.5°	2843.3	2845.7	2845.7	2845.7	2847.9	2850.2	2852.5	2854.7	2857.1	2854.7	2854.7
30°	2818.3	2818.3	2820.5	2822.8	2825.1	2827.4	2831.9	2834.3	2836.5	2834.3	2834.3
32.5°	2790.9	2793.2	2795.4	2797.7	2802.3	2806.8	2811.4	2813.7	2816.0	2813.7	2813.7
35°	2770.4	2770.4	2774.9	2779.4	2784.0	2790.9	2795.4	2800.0	2804.6	2802.3	2800.0
37.5°	2749.8	2749.8	2754.3	2761.2	2770.4	2779.4	2788.6	2795.4	2797.7	2797.7	2795.4
40°	2724.7	2727.0	2731.5	2742.9	2756.6	2768.0	2779.4	2788.6	2793.2	2793.2	2788.6
42.5°	2697.3	2699.6	2706.5	2717.9	2733.8	2747.5	2761.2	2768.0	2774.9	2774.9	2770.4
45°	2658.5	2660.8	2669.9	2681.3	2697.3	2711.0	2727.0	2733.8	2742.9	2740.7	2738.4
47.5°	2608.4	2610.6	2619.8	2631.2	2647.1	2663.1	2679.0	2690.4	2697.3	2697.3	2695.1
50°	2546.7	2549.0	2558.1	2569.5	2590.1	2608.4	2624.3	2635.7	2647.1	2647.1	2644.8
52.5°	2469.2	2473.7	2480.6	2496.5	2519.3	2539.8	2560.4	2578.7	2585.5	2587.8	2585.5
55°	2373.3	2377.8	2387.0	2405.3	2430.3	2455.4	2478.2	2498.7	2507.9	2514.8	2510.1
57.5°	2261.4	2266.0	2277.4	2298.0	2325.3	2350.5	2380.1	2402.9	2409.8	2416.7	2414.4
60°	2129.1	2136.0	2147.4	2170.2	2197.5	2225.0	2252.3	2279.7	2286.6	2295.6	2291.1
62.5°	1974.0	1980.7	1992.2	2017.3	2046.9	2072.1	2104.0	2129.1	2136.0	2145.0	2142.8
65°	1795.9	1802.8	1814.2	1841.5	1869.0	1896.3	1926.0	1953.4	1960.2	1969.3	1967.1
67.5°	1592.8	1599.7	1611.1	1643.1	1670.4	1697.8	1722.9	1750.3	1754.8	1764.0	1761.7
70°	1378.3	1387.4	1396.6	1426.3	1451.3	1474.2	1501.6	1524.4	1533.5	1538.1	1533.5
72.5°	1163.8	1170.7	1179.8	1200.4	1218.6	1239.1	1266.5	1282.5	1289.3	1291.6	1291.6
75°	942.5	949.3	949.3	972.1	985.9	997.3	1020.1	1031.5	1036.0	1040.6	1040.6
77.5°	732.5	728.0	732.5	741.7	750.8	759.9	773.6	780.5	785.0	794.1	789.5
80°	513.5	515.7	518.0	524.9	529.4	531.7	540.8	543.1	545.4	554.6	549.9
82.5°	330.9	326.3	330.9	328.7	333.2	326.3	330.9	337.7	333.2	337.7	340.1
85°	173.4	166.6	166.6	168.9	171.2	166.6	168.9	166.6	166.6	171.2	168.9
87.5°	54.8	52.5	54.8	52.5	54.8	52.5	54.8	57.0	54.8	54.8	57.0
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°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5
2.5°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5
5°	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5	2957.5
7.5°	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2952.9	2955.2
10°	2950.6	2950.6	2950.6	2950.6	2948.3	2948.3	2948.3	2948.3
12.5°	2946.1	2946.1	2943.8	2943.8	2943.8	2943.8	2941.5	2941.5
15°	2941.5	2939.2	2939.2	2936.9	2936.9	2936.9	2934.6	2936.9
17.5°	2934.6	2932.4	2932.4	2930.0	2930.0	2927.8	2927.8	2927.8
20°	2918.6	2916.4	2916.4	2914.1	2914.1	2911.8	2909.6	2909.6
22.5°	2895.8	2895.8	2895.8	2893.6	2891.3	2891.3	2889.0	2889.0
25°	2875.3	2873.0	2873.0	2870.7	2868.5	2868.5	2866.2	2866.2
27.5°	2854.7	2852.5	2850.2	2845.7	2845.7	2843.3	2841.1	2838.8
30°	2831.9	2827.4	2822.8	2820.5	2818.3	2813.7	2811.4	2809.1
32.5°	2809.1	2804.6	2800.0	2795.4	2788.6	2786.3	2781.8	2781.8
35°	2795.4	2788.6	2781.8	2772.6	2765.8	2759.0	2754.3	2752.1
37.5°	2788.6	2779.4	2768.0	2756.6	2745.2	2736.1	2729.3	2729.3
40°	2779.4	2768.0	2754.3	2738.4	2724.7	2713.3	2706.5	2704.1
42.5°	2761.2	2749.8	2731.5	2717.9	2699.6	2688.2	2679.0	2676.8
45°	2729.3	2717.9	2701.9	2683.7	2665.4	2651.7	2642.6	2640.3
47.5°	2688.2	2674.5	2656.2	2637.9	2619.8	2603.7	2594.6	2592.3
50°	2635.7	2622.0	2603.7	2585.5	2565.0	2549.0	2537.6	2537.6
52.5°	2576.4	2560.4	2539.8	2519.3	2496.5	2480.6	2469.2	2466.8
55°	2498.7	2480.6	2460.0	2437.2	2412.0	2393.8	2380.1	2377.8
57.5°	2402.9	2382.4	2359.5	2334.5	2309.4	2288.9	2272.8	2270.6
60°	2282.0	2259.2	2236.4	2211.3	2183.9	2161.0	2145.0	2140.5
62.5°	2133.6	2108.6	2083.5	2060.7	2031.0	2008.2	1992.2	1987.6
65°	1957.9	1937.4	1912.3	1884.9	1852.9	1830.1	1814.2	1811.9
67.5°	1752.6	1732.0	1707.0	1681.8	1649.8	1629.4	1613.4	1608.8
70°	1526.7	1508.4	1487.8	1462.8	1435.3	1414.9	1398.9	1396.6
72.5°	1287.1	1271.0	1252.8	1234.6	1207.1	1191.2	1177.5	1175.2
75°	1040.6	1024.6	1010.9	997.3	976.7	965.3	951.6	951.6
77.5°	789.5	785.0	775.9	759.9	748.5	739.4	732.5	728.0
80°	552.2	547.7	543.1	534.0	527.1	524.9	520.3	515.7
82.5°	337.7	335.4	337.7	333.2	330.9	330.9	328.7	324.0
85°	171.2	173.4	171.2	168.9	168.9	168.9	168.9	166.6
87.5°	54.8	57.0	54.8	52.5	52.5	52.5	52.5	50.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)