

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: P197530

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197530
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
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11032.3 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

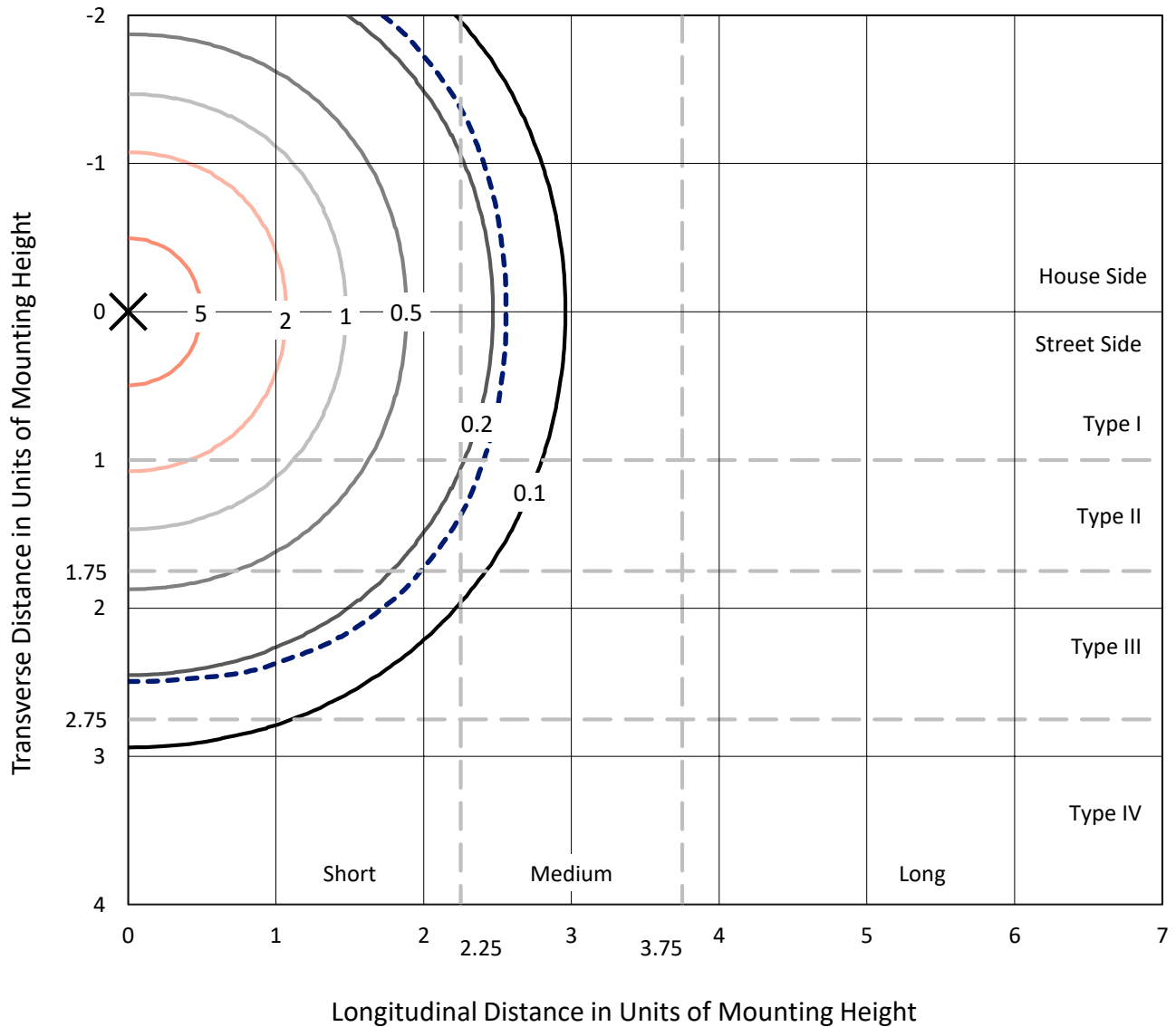
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197530
 CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW

Iso-Footcandle Lines of Horizontal Illumination

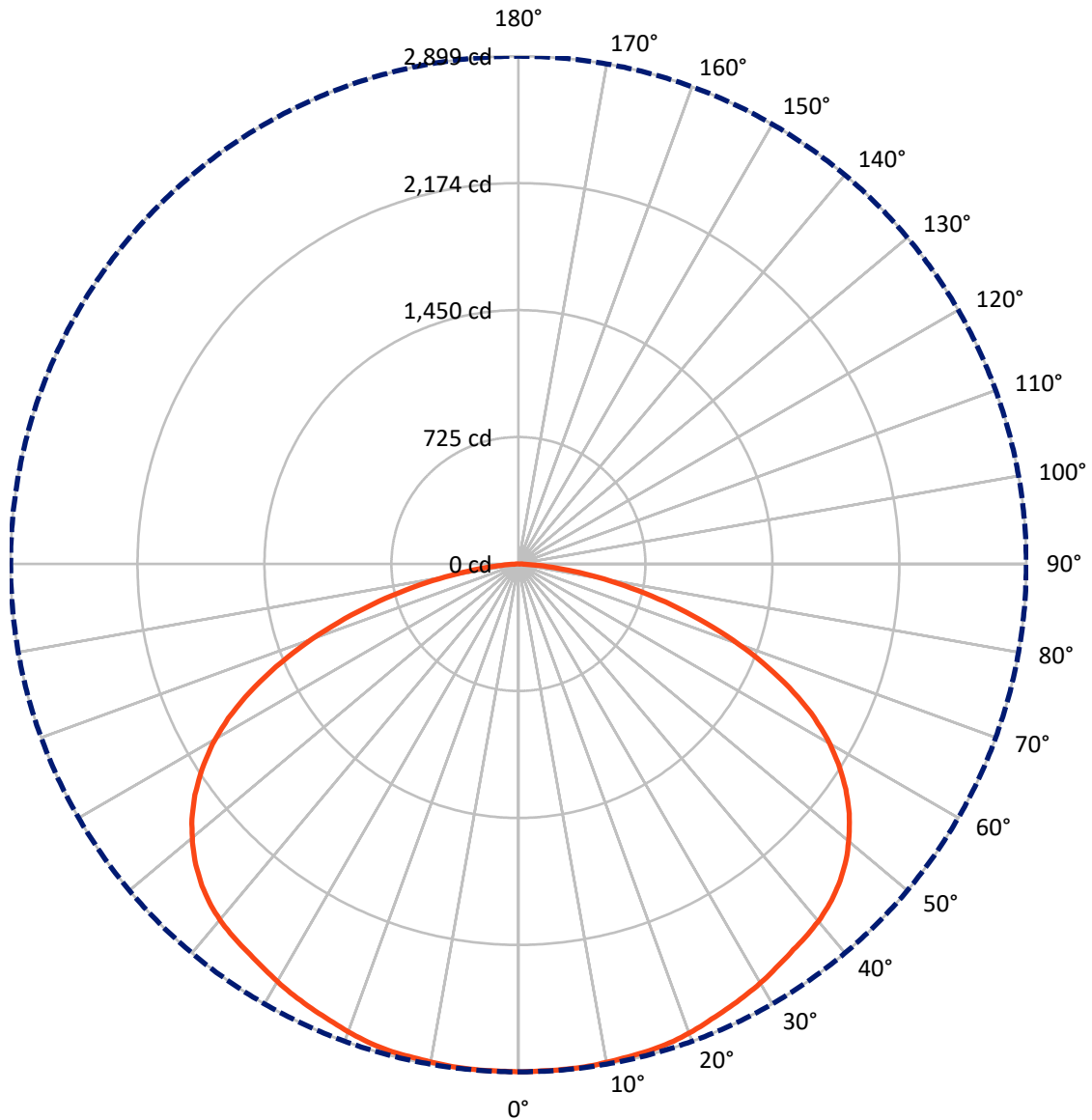
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197530
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Luminous Intensity Polar Plot



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

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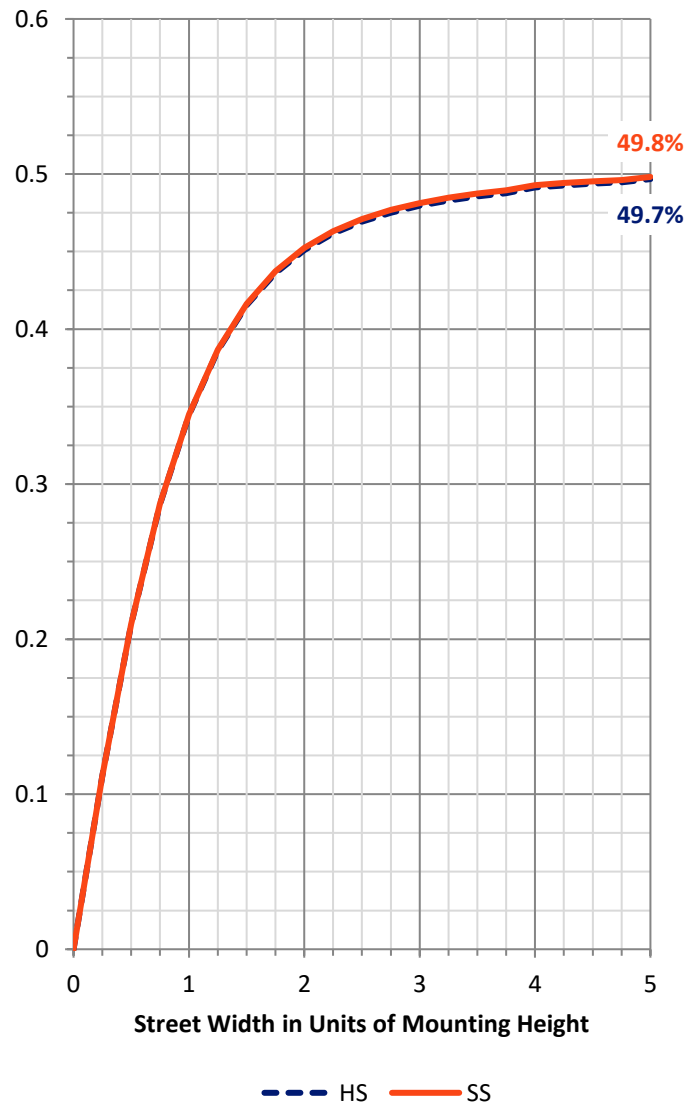
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5516.2	0.0	5516.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5516.2	0.0	5516.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11032.3	0.0	11032.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	2.5
10°-20°	813.6	7.4
20°-30°	1295.8	11.7
30°-40°	1698.9	15.4
40°-50°	2003.6	18.2
50°-60°	2075.1	18.8
60°-70°	1735.4	15.7
70°-80°	945.9	8.6
80°-90°	187.8	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°	11032.3	100.0
0°-180°	11032.3	100.0

Coefficient of Utilization



REPORT NUMBER: P197530

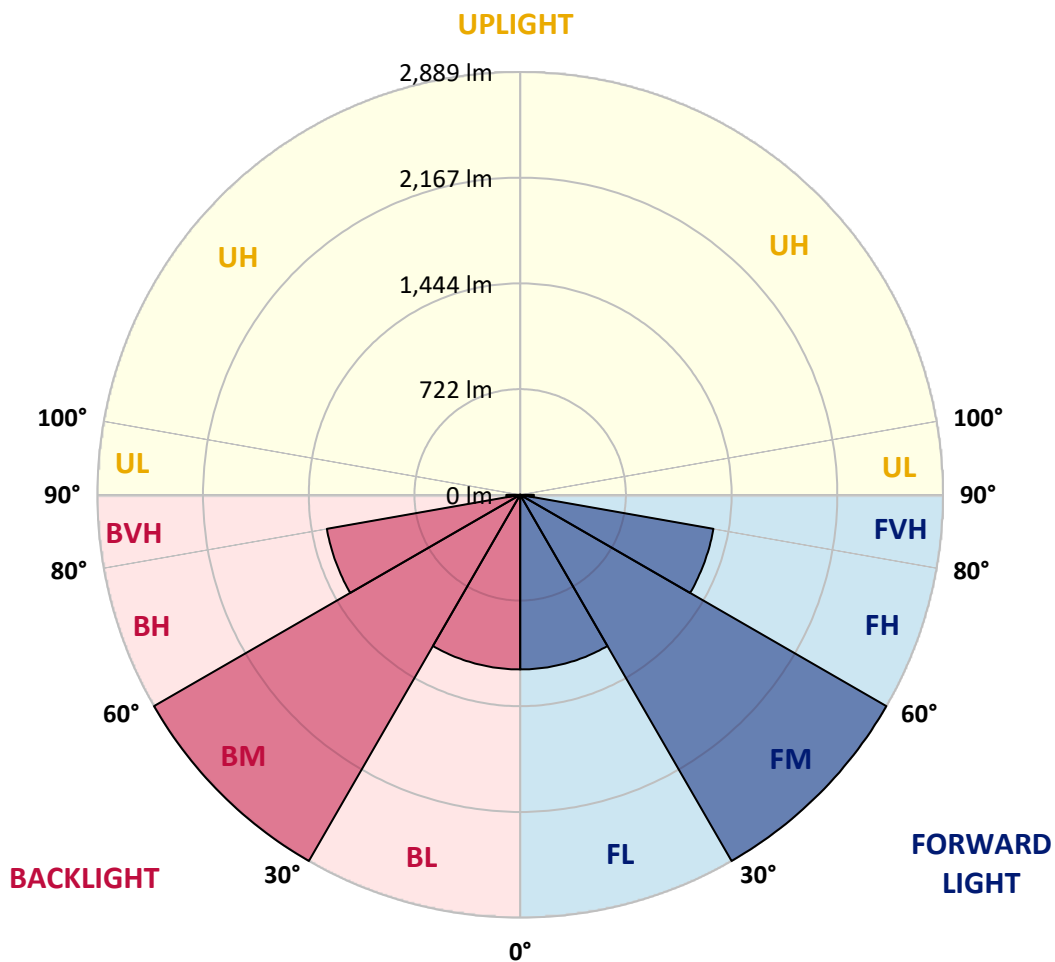
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1192.8	10.8			
FM	(30°-60°)	2888.8	26.2			
FH	(60°-80°)	1340.7	12.2			G1/1800
FVH	(80°-90°)	93.9	0.9			G1/100
BL	(0°-30°)	1192.8	10.8	B3/2500		
BM	(30°-60°)	2888.8	26.2	B3/5000		
BH	(60°-80°)	1340.7	12.2	B3/2500		G1/1800
BVH	(80°-90°)	93.9	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





REPORT NUMBER: P197530

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3
2.5°	2897.0	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2897.0	2899.3	2899.3
5°	2897.0	2897.0	2897.0	2897.0	2899.3	2897.0	2897.0	2897.0	2897.0	2897.0	2897.0
7.5°	2894.7	2892.4	2892.4	2892.4	2892.4	2892.4	2894.7	2894.7	2894.7	2894.7	2894.7
10°	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7
12.5°	2880.8	2880.8	2880.8	2880.8	2883.1	2883.1	2883.1	2883.1	2883.1	2883.1	2880.8
15°	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1	2876.1
17.5°	2864.5	2864.5	2864.5	2864.5	2866.8	2866.8	2866.8	2866.8	2866.8	2866.8	2866.8
20°	2846.0	2846.0	2846.0	2846.0	2846.0	2848.3	2850.6	2850.6	2850.6	2850.6	2850.6
22.5°	2822.8	2822.8	2825.1	2825.1	2827.4	2827.4	2829.7	2829.7	2829.7	2829.7	2829.7
25°	2801.9	2801.9	2801.9	2804.2	2804.2	2804.2	2806.5	2808.8	2808.8	2808.8	2806.5
27.5°	2780.9	2780.9	2780.9	2783.2	2783.2	2783.2	2785.5	2785.5	2787.9	2785.5	2785.5
30°	2757.7	2755.4	2755.4	2757.7	2760.0	2760.0	2762.3	2762.3	2762.3	2762.3	2760.0
32.5°	2729.9	2729.9	2732.2	2734.5	2734.5	2736.8	2739.1	2739.1	2739.1	2741.5	2736.8
35°	2704.3	2706.7	2706.7	2709.0	2713.6	2715.9	2718.3	2720.6	2720.6	2720.6	2715.9
37.5°	2683.5	2685.8	2688.1	2692.7	2697.4	2702.0	2706.7	2711.3	2709.0	2709.0	2702.0
40°	2657.9	2660.3	2664.9	2669.5	2678.8	2683.5	2690.4	2695.1	2697.4	2695.1	2688.1
42.5°	2623.0	2625.4	2630.0	2637.0	2648.7	2657.9	2664.9	2671.9	2674.2	2671.9	2664.9
45°	2576.6	2579.0	2583.6	2592.9	2606.8	2616.1	2627.7	2634.6	2639.4	2639.4	2632.3
47.5°	2518.7	2521.0	2527.9	2537.2	2551.1	2562.7	2576.6	2585.9	2590.6	2595.2	2588.2
50°	2446.6	2449.0	2458.2	2469.8	2481.5	2497.8	2514.0	2527.9	2534.9	2537.2	2534.9
52.5°	2365.4	2367.8	2377.0	2388.6	2404.9	2423.4	2442.0	2458.2	2467.5	2472.2	2467.5
55°	2267.9	2272.5	2279.5	2295.7	2314.3	2330.6	2353.8	2372.4	2384.0	2386.3	2384.0
57.5°	2154.1	2161.2	2168.2	2186.7	2205.3	2228.5	2247.0	2265.6	2279.5	2281.8	2281.8
60°	2026.5	2031.2	2038.1	2056.7	2077.6	2093.8	2119.3	2137.9	2149.5	2149.5	2151.8
62.5°	1875.6	1880.3	1891.9	1905.8	1929.0	1945.2	1966.1	1984.7	1996.3	2001.0	1998.7
65°	1699.2	1703.9	1710.8	1729.4	1748.0	1766.5	1787.4	1803.6	1815.2	1817.6	1815.2
67.5°	1504.2	1508.8	1513.5	1536.7	1555.3	1562.3	1587.8	1601.7	1608.7	1611.0	1611.0
70°	1297.6	1299.9	1306.9	1318.5	1339.4	1346.3	1362.7	1374.3	1378.9	1388.2	1381.2
72.5°	1081.8	1086.4	1102.6	1105.0	1121.2	1130.5	1135.1	1135.1	1146.7	1146.7	1149.0
75°	868.1	870.5	877.4	879.8	891.4	891.4	889.1	893.7	903.0	903.0	905.3
77.5°	656.9	656.9	668.5	659.2	663.9	654.6	659.2	654.6	661.6	659.2	661.6
80°	459.6	459.6	466.6	457.3	459.6	450.4	452.7	450.4	450.4	452.7	452.7
82.5°	283.2	285.5	290.2	283.2	283.2	276.3	278.6	280.9	280.9	278.6	276.3
85°	139.3	139.3	143.9	141.6	139.3	134.7	137.0	139.3	139.3	137.0	137.0
87.5°	37.1	37.1	39.4	39.4	37.1	34.8	37.1	39.4	39.4	39.4	37.1
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: P197530

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-LWR-LW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3	2899.3
2.5°	2897.0	2897.0	2899.3	2897.0	2899.3	2897.0	2899.3	2899.3
5°	2897.0	2897.0	2897.0	2897.0	2897.0	2897.0	2897.0	2897.0
7.5°	2892.4	2894.7	2892.4	2892.4	2892.4	2894.7	2892.4	2894.7
10°	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7	2887.7
12.5°	2880.8	2880.8	2880.8	2880.8	2880.8	2880.8	2880.8	2878.4
15°	2876.1	2873.8	2873.8	2873.8	2871.5	2871.5	2871.5	2871.5
17.5°	2866.8	2864.5	2862.2	2862.2	2862.2	2862.2	2859.9	2859.9
20°	2850.6	2848.3	2846.0	2846.0	2843.6	2843.6	2841.3	2841.3
22.5°	2827.4	2827.4	2825.1	2822.8	2822.8	2820.4	2820.4	2818.1
25°	2806.5	2804.2	2801.9	2799.6	2797.1	2797.1	2794.8	2792.5
27.5°	2783.2	2778.6	2776.3	2773.9	2771.6	2769.3	2767.0	2764.7
30°	2757.7	2753.1	2748.4	2746.1	2741.5	2736.8	2734.5	2732.2
32.5°	2732.2	2727.5	2720.6	2713.6	2709.0	2704.3	2699.7	2697.4
35°	2711.3	2702.0	2695.1	2685.8	2678.8	2671.9	2669.5	2667.2
37.5°	2695.1	2685.8	2674.2	2664.9	2657.9	2648.7	2644.0	2639.4
40°	2678.8	2667.2	2653.3	2641.7	2632.3	2620.7	2616.1	2611.4
42.5°	2655.6	2641.7	2627.7	2613.8	2599.8	2588.2	2581.3	2576.6
45°	2623.0	2609.1	2592.9	2574.3	2560.4	2546.5	2539.5	2534.9
47.5°	2579.0	2565.0	2546.5	2530.3	2514.0	2500.1	2490.8	2486.2
50°	2525.6	2511.7	2493.1	2474.5	2458.2	2442.0	2435.0	2428.1
52.5°	2458.2	2446.6	2425.8	2411.8	2393.3	2377.0	2370.1	2365.4
55°	2374.7	2363.1	2342.2	2328.3	2309.7	2295.7	2286.5	2279.5
57.5°	2272.5	2263.3	2240.1	2226.1	2207.6	2193.7	2186.7	2182.1
60°	2147.2	2137.9	2114.7	2100.8	2084.5	2068.3	2063.7	2059.0
62.5°	1991.6	1987.0	1968.4	1952.2	1936.0	1919.7	1915.1	1912.8
65°	1810.6	1806.0	1789.7	1775.8	1761.9	1748.0	1743.3	1738.7
67.5°	1604.0	1601.7	1587.8	1576.2	1566.9	1553.0	1550.7	1546.0
70°	1383.5	1378.9	1367.3	1357.9	1351.0	1339.4	1337.0	1332.4
72.5°	1153.7	1151.4	1144.4	1132.8	1132.8	1116.6	1114.2	1111.9
75°	900.7	912.3	903.0	898.4	898.4	889.1	889.1	886.8
77.5°	659.2	670.8	677.8	668.5	677.8	668.5	668.5	666.2
80°	450.4	459.6	466.6	459.6	471.2	464.3	464.3	473.6
82.5°	273.9	283.2	287.9	285.5	292.5	290.2	287.9	294.8
85°	134.7	139.3	141.6	141.6	143.9	139.3	143.9	146.3
87.5°	34.8	37.1	39.4	37.1	39.4	39.4	39.4	41.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)