

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: P197555

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197555
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11663.6 lumens
Efficiency: N/A
Efficacy: 108.0 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

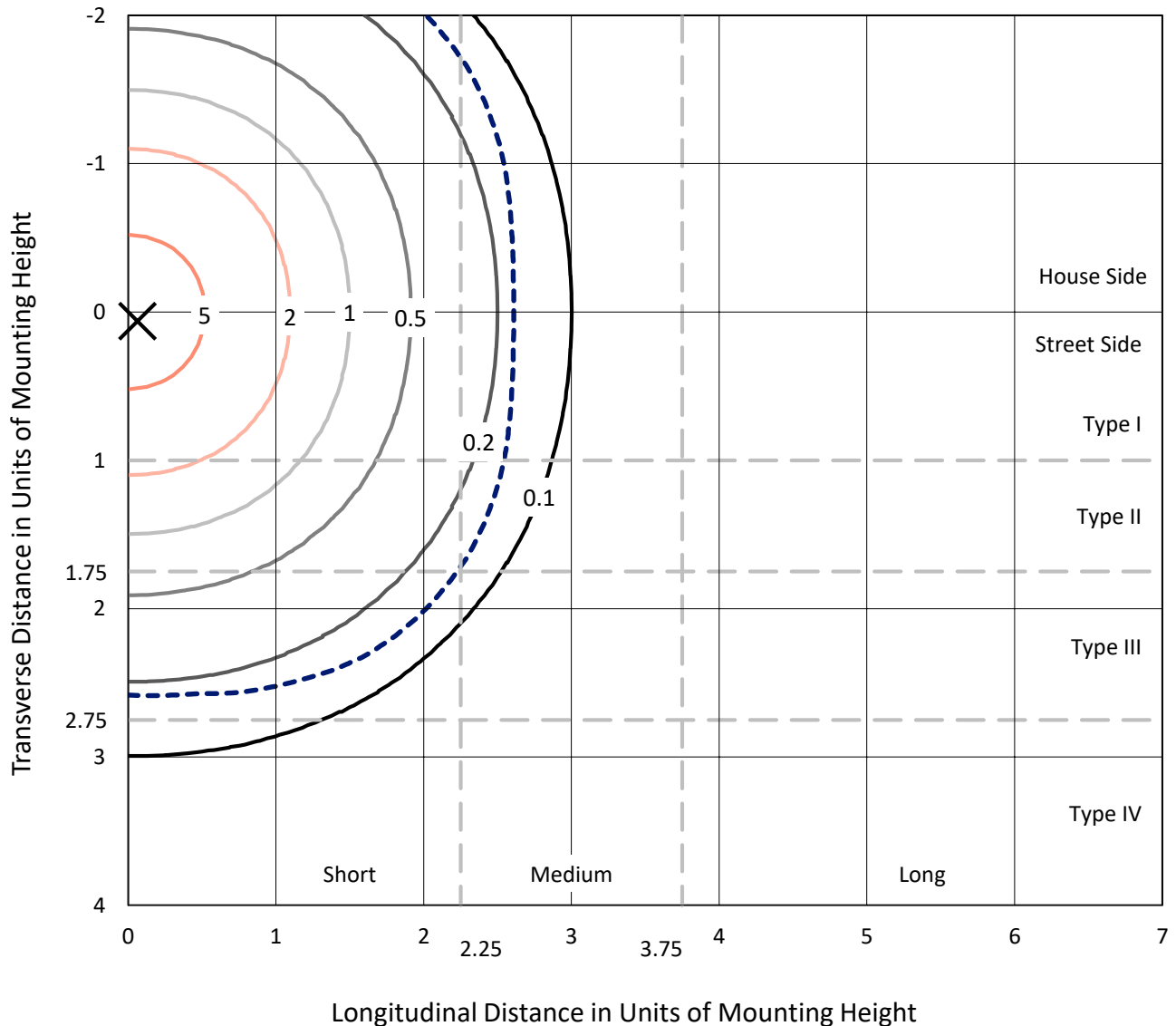


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Iso-Footcandle Lines of Horizontal Illumination

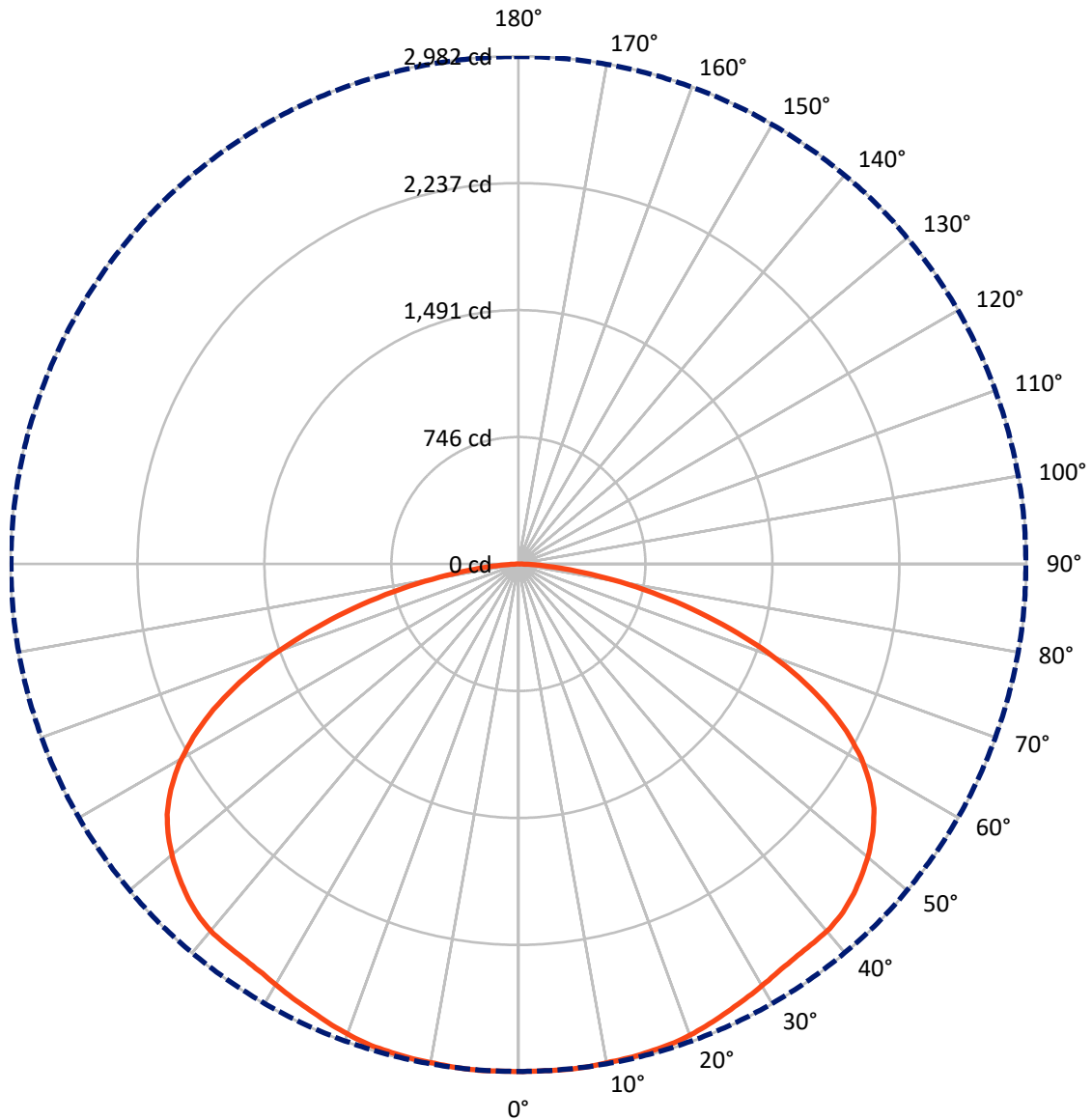
✕ Max cd
 - - - 1/2 Max cd



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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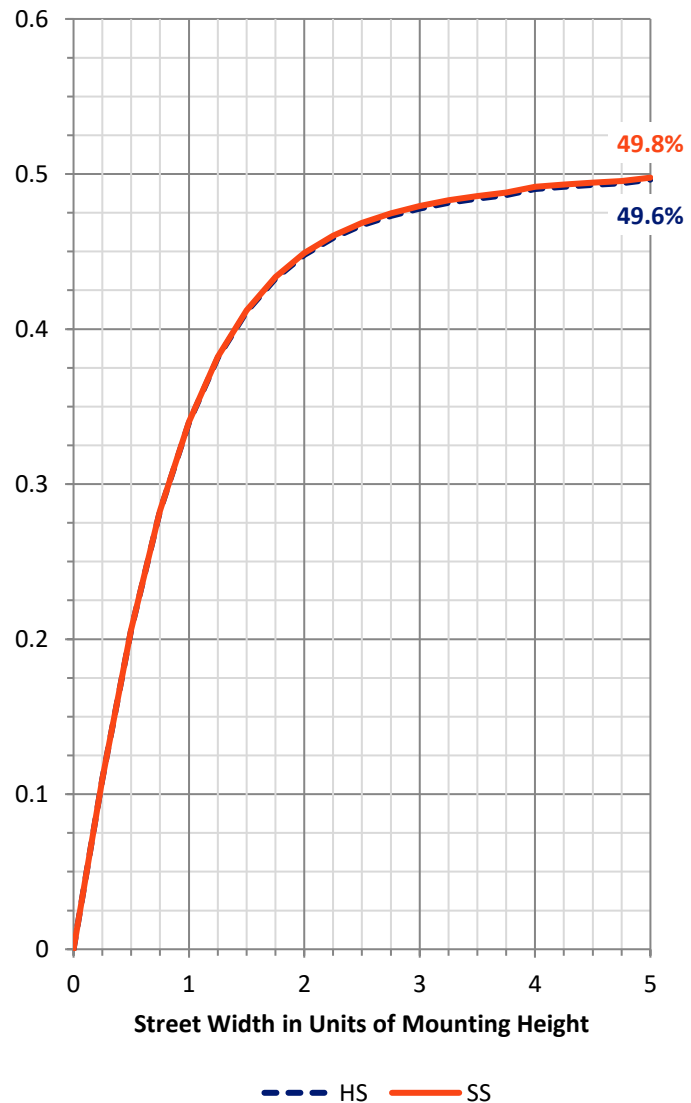
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5831.8	0.0	5831.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5831.8	0.0	5831.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11663.6	0.0	11663.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	2.4
10°-20°	838.3	7.2
20°-30°	1337.8	11.5
30°-40°	1762.1	15.1
40°-50°	2096.1	18.0
50°-60°	2193.7	18.8
60°-70°	1865.6	16.0
70°-80°	1060.2	9.1
80°-90°	225.4	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°	11663.6	100.0
0°-180°	11663.6	100.0

Coefficient of Utilization



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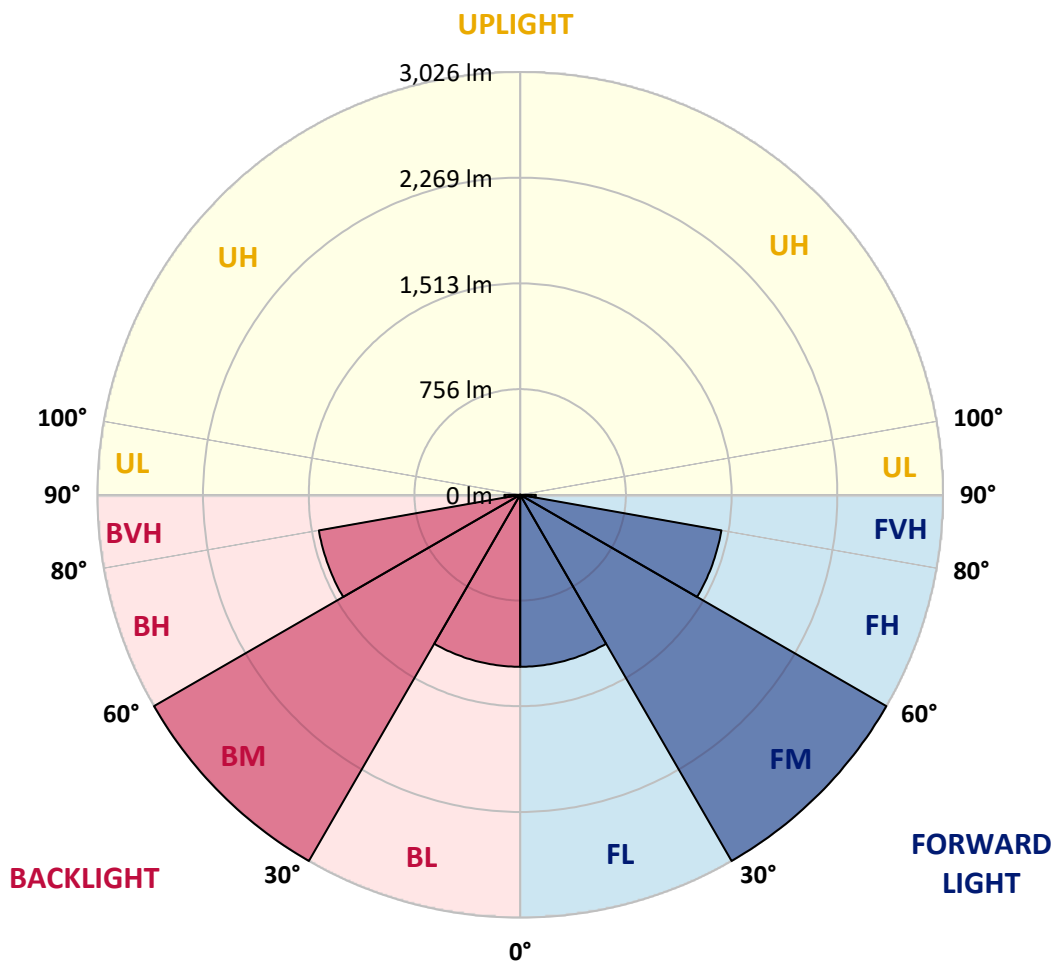
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1230.2	10.5			
FM	(30°-60°)	3026.0	25.9			
FH	(60°-80°)	1462.9	12.5			G1/1800
FVH	(80°-90°)	112.7	1.0			G2/225
BL	(0°-30°)	1230.2	10.5	B3/2500		
BM	(30°-60°)	3026.0	25.9	B3/5000		
BH	(60°-80°)	1462.9	12.5	B3/2500		G1/1800
BVH	(80°-90°)	112.7	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°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9
2.5°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9
5°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2982.2	2979.9
7.5°	2977.7	2977.7	2977.7	2977.7	2979.9	2977.7	2977.7	2979.9	2979.9	2979.9	2979.9
10°	2973.1	2970.7	2970.7	2973.1	2973.1	2973.1	2973.1	2973.1	2975.4	2973.1	2973.1
12.5°	2966.2	2963.9	2966.2	2966.2	2966.2	2968.4	2968.4	2968.4	2970.7	2970.7	2968.4
15°	2959.2	2959.2	2959.2	2959.2	2959.2	2961.6	2961.6	2963.9	2963.9	2963.9	2963.9
17.5°	2950.1	2950.1	2950.1	2952.4	2952.4	2954.7	2954.7	2954.7	2956.9	2956.9	2956.9
20°	2934.0	2931.7	2934.0	2934.0	2936.2	2938.6	2938.6	2940.9	2940.9	2940.9	2940.9
22.5°	2911.0	2911.0	2913.3	2913.3	2915.5	2917.9	2917.9	2920.2	2920.2	2920.2	2920.2
25°	2888.0	2890.3	2890.3	2892.5	2892.5	2894.9	2897.2	2897.2	2897.2	2897.2	2897.2
27.5°	2865.0	2867.3	2867.3	2867.3	2869.6	2871.9	2874.2	2876.5	2878.8	2876.5	2876.5
30°	2839.7	2839.7	2842.0	2844.3	2846.6	2848.9	2853.5	2855.8	2858.1	2855.8	2855.8
32.5°	2812.1	2814.4	2816.7	2819.0	2823.6	2828.2	2832.8	2835.1	2837.4	2835.1	2835.1
35°	2791.4	2791.4	2796.0	2800.6	2805.3	2812.1	2816.7	2821.3	2825.9	2823.6	2821.3
37.5°	2770.7	2770.7	2775.3	2782.3	2791.4	2800.6	2809.8	2816.7	2819.0	2819.0	2816.7
40°	2745.4	2747.7	2752.3	2763.8	2777.6	2789.1	2800.6	2809.8	2814.4	2814.4	2809.8
42.5°	2717.9	2720.1	2727.1	2738.6	2754.6	2768.4	2782.3	2789.1	2796.0	2796.0	2791.4
45°	2678.7	2681.0	2690.2	2701.7	2717.9	2731.6	2747.7	2754.6	2763.8	2761.6	2759.2
47.5°	2628.2	2630.5	2639.7	2651.2	2667.2	2683.4	2699.4	2710.9	2717.9	2717.9	2715.6
50°	2566.1	2568.3	2577.6	2589.1	2609.8	2628.2	2644.2	2655.7	2667.2	2667.2	2664.9
52.5°	2487.9	2492.5	2499.4	2515.5	2538.5	2559.2	2579.8	2598.3	2605.2	2607.5	2605.2
55°	2391.3	2395.9	2405.2	2423.5	2448.8	2474.1	2497.1	2517.8	2527.0	2533.9	2529.3
57.5°	2278.6	2283.3	2294.8	2315.5	2343.0	2368.3	2398.2	2421.2	2428.1	2435.0	2432.7
60°	2145.3	2152.2	2163.7	2186.7	2214.3	2241.9	2269.5	2297.1	2304.0	2313.1	2308.5
62.5°	1988.9	1995.8	2007.3	2032.6	2062.5	2087.8	2120.0	2145.3	2152.2	2161.4	2159.1
65°	1809.6	1816.5	1828.0	1855.5	1883.2	1910.7	1940.6	1968.3	1975.1	1984.3	1982.1
67.5°	1605.0	1611.9	1623.4	1655.5	1683.1	1710.7	1736.0	1763.6	1768.2	1777.4	1775.1
70°	1388.9	1398.0	1407.2	1437.1	1462.4	1485.4	1513.0	1536.0	1545.2	1549.8	1545.2
72.5°	1172.7	1179.6	1188.8	1209.4	1227.8	1248.6	1276.1	1292.2	1299.2	1301.5	1301.5
75°	949.6	956.6	956.6	979.5	993.3	1004.8	1027.8	1039.3	1043.9	1048.5	1048.5
77.5°	738.1	733.5	738.1	747.3	756.5	765.7	779.5	786.4	791.0	800.2	795.5
80°	517.3	519.7	522.0	528.8	533.5	535.7	545.0	547.2	549.5	558.7	554.2
82.5°	333.4	328.8	333.4	331.1	335.7	328.8	333.4	340.4	335.7	340.4	342.6
85°	174.8	167.8	167.8	170.1	172.4	167.8	170.1	167.8	167.8	172.4	170.1
87.5°	55.2	52.9	55.2	52.9	55.2	52.9	55.2	57.5	55.2	55.2	57.5
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°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9
2.5°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9
5°	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9	2979.9
7.5°	2977.7	2977.7	2977.7	2977.7	2977.7	2977.7	2975.4	2977.7
10°	2973.1	2973.1	2973.1	2973.1	2970.7	2970.7	2970.7	2970.7
12.5°	2968.4	2968.4	2966.2	2966.2	2966.2	2966.2	2963.9	2963.9
15°	2963.9	2961.6	2961.6	2959.2	2959.2	2959.2	2956.9	2959.2
17.5°	2956.9	2954.7	2954.7	2952.4	2952.4	2950.1	2950.1	2950.1
20°	2940.9	2938.6	2938.6	2936.2	2936.2	2934.0	2931.7	2931.7
22.5°	2917.9	2917.9	2917.9	2915.5	2913.3	2913.3	2911.0	2911.0
25°	2897.2	2894.9	2894.9	2892.5	2890.3	2890.3	2888.0	2888.0
27.5°	2876.5	2874.2	2871.9	2867.3	2867.3	2865.0	2862.7	2860.4
30°	2853.5	2848.9	2844.3	2842.0	2839.7	2835.1	2832.8	2830.5
32.5°	2830.5	2825.9	2821.3	2816.7	2809.8	2807.5	2802.9	2802.9
35°	2816.7	2809.8	2802.9	2793.8	2786.8	2779.9	2775.3	2773.0
37.5°	2809.8	2800.6	2789.1	2777.6	2766.1	2756.9	2750.1	2750.1
40°	2800.6	2789.1	2775.3	2759.2	2745.4	2733.9	2727.1	2724.7
42.5°	2782.3	2770.7	2752.3	2738.6	2720.1	2708.6	2699.4	2697.2
45°	2750.1	2738.6	2722.4	2704.1	2685.7	2671.9	2662.7	2660.4
47.5°	2708.6	2694.9	2676.4	2658.0	2639.7	2623.5	2614.3	2612.0
50°	2655.7	2642.0	2623.5	2605.2	2584.5	2568.3	2556.8	2556.8
52.5°	2596.0	2579.8	2559.2	2538.5	2515.5	2499.4	2487.9	2485.6
55°	2517.8	2499.4	2478.7	2455.7	2430.4	2412.0	2398.2	2395.9
57.5°	2421.2	2400.5	2377.5	2352.2	2327.0	2306.3	2290.1	2287.8
60°	2299.3	2276.3	2253.4	2228.1	2200.4	2177.5	2161.4	2156.7
62.5°	2149.9	2124.6	2099.3	2076.3	2046.5	2023.4	2007.3	2002.8
65°	1972.9	1952.1	1926.9	1899.2	1867.0	1844.0	1828.0	1825.7
67.5°	1765.9	1745.3	1719.9	1694.6	1662.4	1641.7	1625.7	1621.0
70°	1538.3	1519.8	1499.1	1473.9	1446.3	1425.6	1409.5	1407.2
72.5°	1296.8	1280.8	1262.3	1244.0	1216.3	1200.3	1186.4	1184.1
75°	1048.5	1032.5	1018.6	1004.8	984.1	972.6	958.8	958.8
77.5°	795.5	791.0	781.8	765.7	754.2	745.0	738.1	733.5
80°	556.5	551.8	547.2	538.0	531.2	528.8	524.3	519.7
82.5°	340.4	338.0	340.4	335.7	333.4	333.4	331.1	326.5
85°	172.4	174.8	172.4	170.1	170.1	170.1	170.1	167.8
87.5°	55.2	57.5	55.2	52.9	52.9	52.9	52.9	50.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)