

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: P598392

Luminaire Tested: **PMM-SAZD-835-U-RW**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-7)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2D-835-U-RW
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11419 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

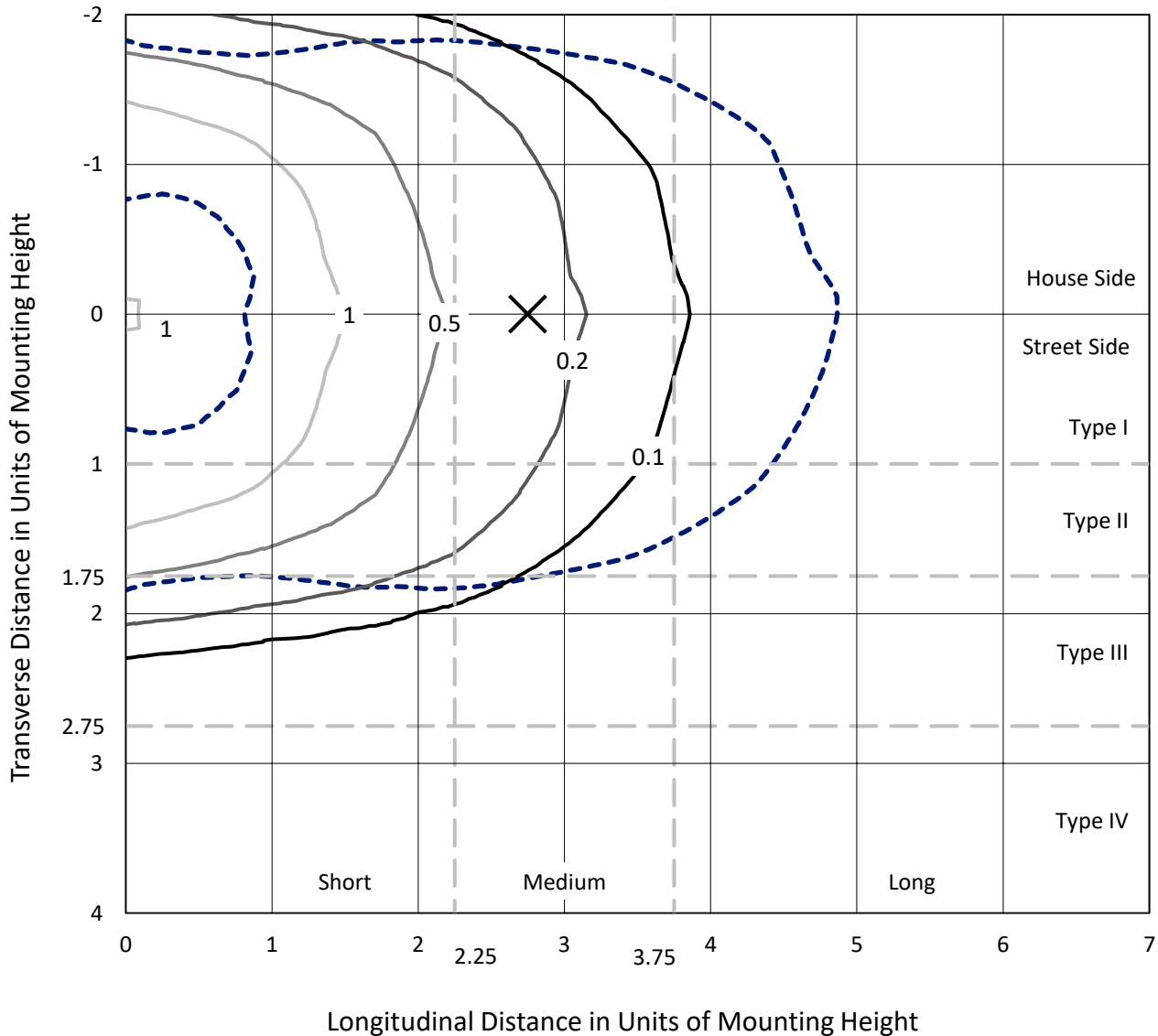
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P598392
 CATALOG NUMBER: PMM-SA2D-835-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

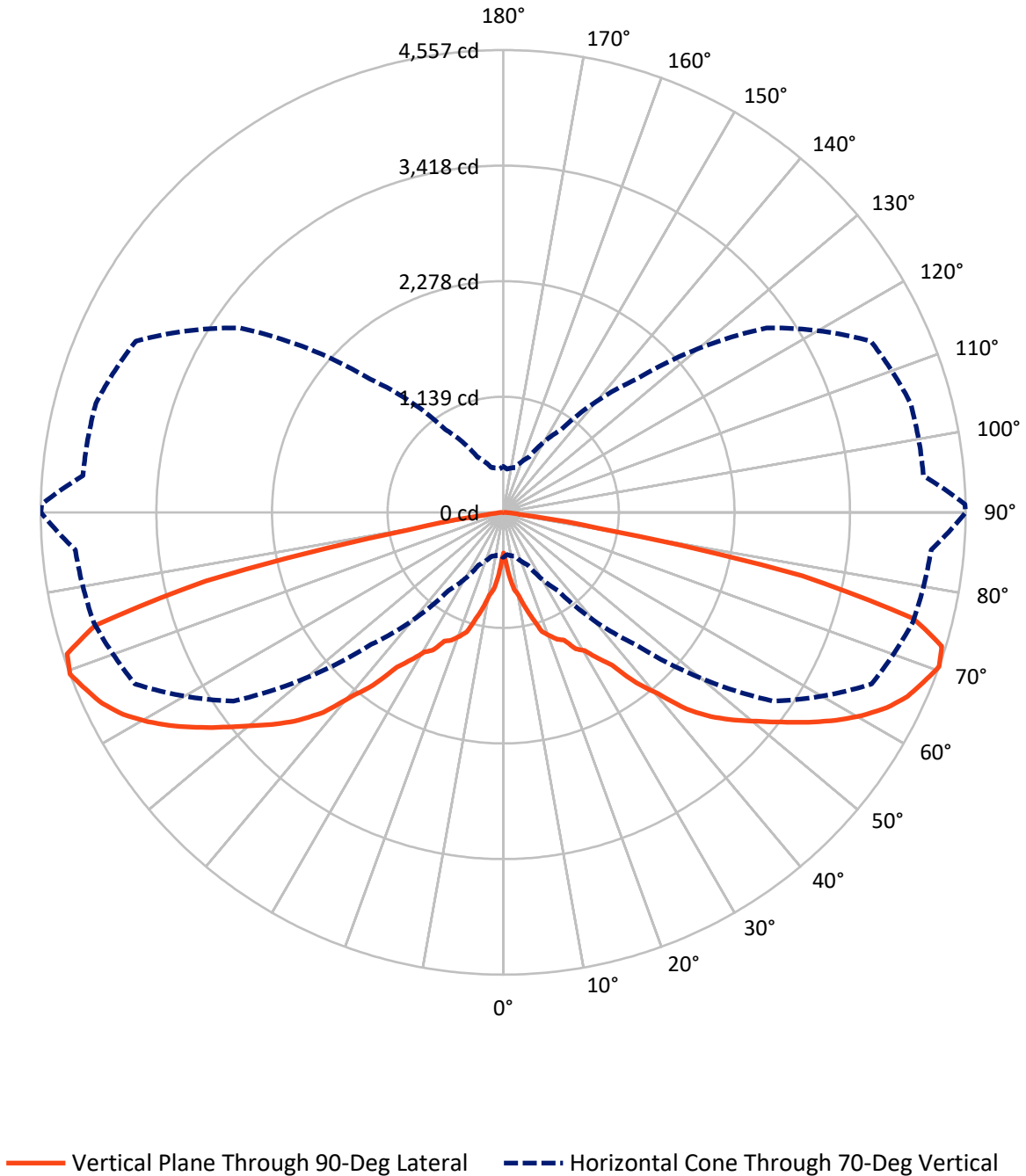


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P598392

CATALOG NUMBER: PMM-SA2D-835-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P598392

CATALOG NUMBER: PMM-SA2D-835-U-RW

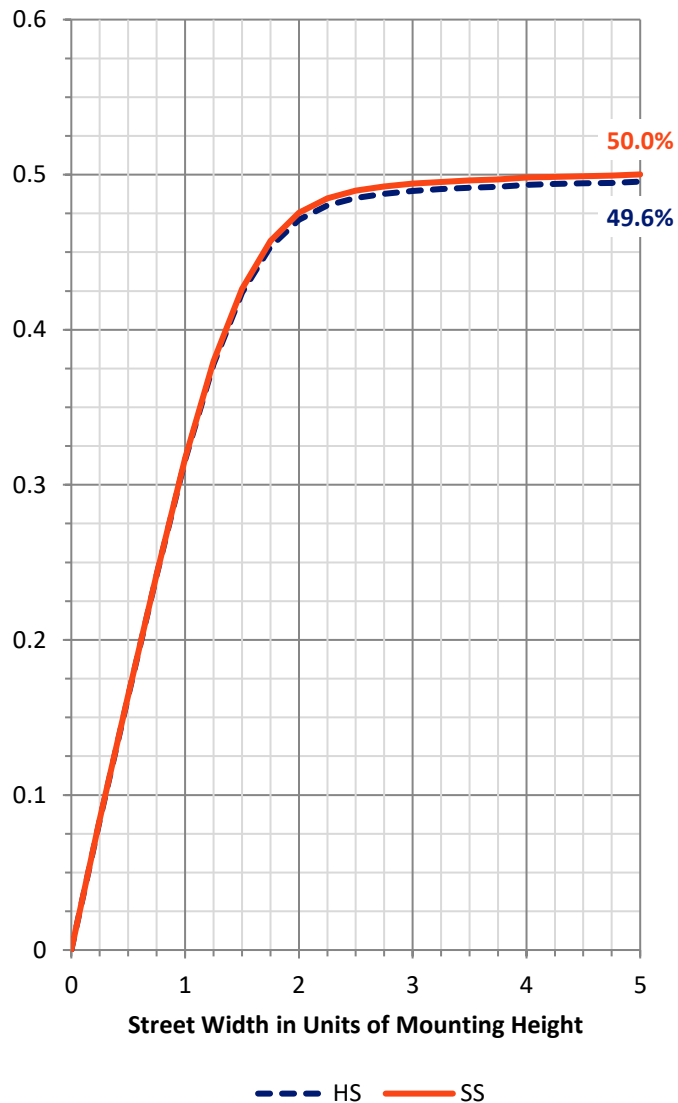
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5688.3	0.0	5688.3
	% Fixture	49.8	0.0	49.8
Street Side	Lumens	5730.6	0.0	5730.6
	% Fixture	50.2	0.0	50.2
Total	Lumens	11419.0	0.0	11419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	0.5
10°-20°	277.1	2.4
20°-30°	599.1	5.2
30°-40°	1143.1	10.0
40°-50°	2076.6	18.2
50°-60°	2917.1	25.5
60°-70°	2785.2	24.4
70°-80°	1429.4	12.5
80°-90°	131.0	1.1
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°	11419.0	100.0
0°-180°	11419.0	100.0

Coefficient of Utilization



REPORT NUMBER: P598392

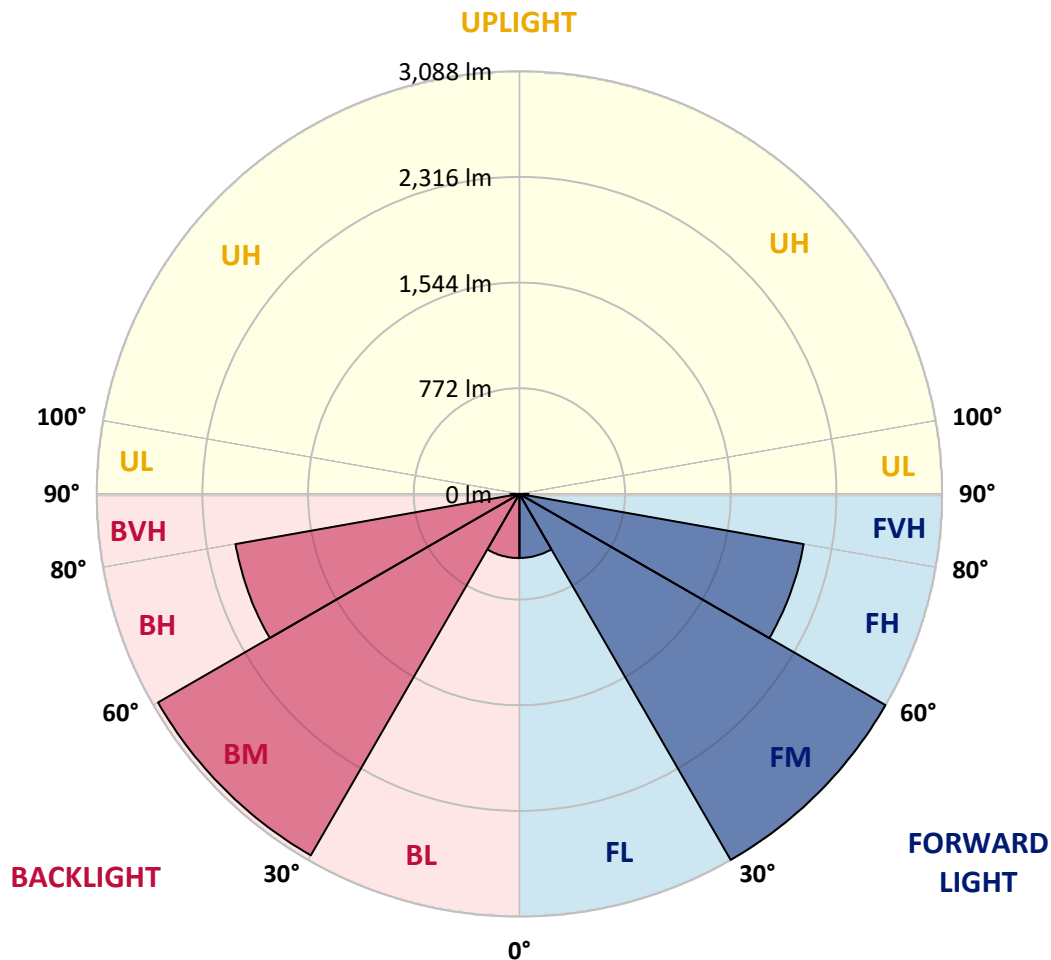
CATALOG NUMBER: PMM-SA2D-835-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	467.9	4.1			
FM	(30°-60°)	3087.8	27.0			
FH	(60°-80°)	2108.5	18.5			G2/5000
FVH	(80°-90°)	66.5	0.6			G1/100
BL	(0°-30°)	468.8	4.1	B1/500		
BM	(30°-60°)	3048.9	26.7	B3/5000		
BH	(60°-80°)	2106.2	18.4	B3/2500		G3/2500
BVH	(80°-90°)	64.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P598392

CATALOG NUMBER: PMM-SA2D-835-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	485.5	467.4	444.7	458.2	463.7	473.4	472.1	467.4	447.5	480.8	484.5
5°	607.7	579.0	568.3	566.5	569.2	560.0	590.1	581.3	597.5	627.6	634.5
7.5°	691.9	670.6	647.9	654.9	626.2	622.0	660.9	695.6	704.4	759.4	763.2
10°	731.7	710.9	716.9	712.7	709.5	736.3	754.4	779.8	816.4	821.5	829.3
12.5°	765.5	773.8	800.2	799.2	842.8	890.4	883.5	909.9	915.9	979.7	960.3
15°	851.1	868.2	866.4	882.6	901.5	979.7	980.2	1025.1	1066.3	1091.3	1084.8
17.5°	976.5	982.5	957.5	958.4	1013.5	1045.5	1081.1	1073.2	1180.6	1229.6	1232.9
20°	1051.5	1066.7	1038.1	1000.1	1097.8	1141.7	1161.6	1115.8	1230.6	1296.8	1296.8
22.5°	1182.4	1143.1	1099.6	1074.1	1160.2	1207.0	1204.7	1191.7	1252.8	1369.9	1358.8
25°	1254.6	1232.4	1210.7	1217.2	1260.7	1284.7	1316.7	1286.6	1344.0	1431.0	1394.4
27.5°	1391.6	1350.4	1243.5	1328.7	1328.7	1310.6	1378.2	1392.6	1355.1	1496.7	1524.0
30°	1546.7	1532.3	1381.0	1471.2	1443.5	1392.6	1522.1	1512.9	1449.9	1594.3	1581.8
32.5°	1693.4	1740.6	1597.1	1547.6	1589.2	1608.7	1540.6	1568.4	1580.4	1719.7	1713.7
35°	1918.3	1958.1	1767.9	1755.4	1686.0	1667.9	1719.7	1729.0	1729.9	1876.6	1849.8
37.5°	2307.5	2250.1	2062.2	1973.8	1981.7	1959.9	1970.1	1897.0	1907.2	2120.1	2133.5
40°	2592.1	2527.3	2318.1	2254.7	2099.2	2192.3	2109.9	2102.5	2082.1	2357.9	2350.5
42.5°	2906.4	2817.5	2586.1	2501.4	2336.2	2298.2	2260.3	2345.9	2340.4	2595.8	2652.3
45°	3143.8	2964.2	2843.4	2790.7	2691.6	2598.6	2562.5	2600.9	2583.3	2773.1	2871.6
47.5°	3293.7	3137.8	2998.9	2887.8	2793.0	3021.1	2838.3	2787.0	2751.3	2963.7	3058.6
50°	3413.1	3233.1	3069.3	3032.2	3107.2	3309.0	3020.7	2907.3	2950.8	3107.2	3236.3
52.5°	3445.5	3254.8	3107.7	3084.1	3286.8	3323.3	3276.6	3085.9	3074.4	3279.4	3435.3
55°	3346.5	3163.7	3093.8	3222.9	3446.9	3416.4	3487.6	3365.9	3284.0	3455.2	3651.5
57.5°	3091.5	2910.1	2893.4	3079.4	3361.7	3621.8	3657.0	3560.7	3453.4	3634.8	3866.2
60°	2672.6	2507.0	2549.1	2754.6	3180.3	3550.6	3737.5	3649.6	3616.3	3796.8	4065.2
62.5°	2020.6	1891.4	2003.9	2290.4	2849.0	3458.5	3848.6	3834.7	3786.6	3968.9	4241.1
65°	1288.4	1220.4	1335.2	1626.3	2334.8	3290.9	3901.8	3920.3	3964.8	4101.8	4377.1
67.5°	748.8	712.7	782.6	1020.9	1662.8	2702.3	3802.8	4068.4	4091.6	4170.3	4466.4
70°	442.9	419.3	448.0	573.4	941.3	1841.0	3243.7	4003.6	4178.6	4233.2	4556.7
72.5°	337.8	315.6	303.1	339.2	491.5	951.0	2193.2	3393.7	4108.7	4191.5	4518.7
75°	292.0	270.7	255.9	259.2	292.5	451.7	1188.9	2427.4	3501.0	3816.7	4174.0
77.5°	250.8	231.9	221.2	220.3	224.5	248.1	497.0	1316.2	2192.7	2743.5	3009.1
80°	200.9	186.0	183.7	183.7	177.7	175.9	247.1	500.7	834.4	989.5	948.7
82.5°	146.7	131.9	146.7	144.9	135.6	128.2	157.4	216.6	257.3	203.2	160.6
85°	99.0	85.6	96.7	98.6	89.8	66.6	94.4	108.3	111.1	69.4	57.4
87.5°	34.7	33.8	54.6	47.7	38.9	22.7	34.7	37.5	39.3	24.5	16.7
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: P598392

CATALOG NUMBER: PMM-SA2D-835-U-RW

CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	485.9	480.4	452.6	456.8	467.4	472.5	477.6	456.8	446.6	479.0	475.8
5°	636.3	616.0	593.3	590.1	591.5	571.6	583.1	578.0	580.3	601.2	605.3
7.5°	762.2	737.7	707.6	684.0	643.3	610.9	638.2	652.1	656.2	693.3	707.2
10°	830.3	809.4	800.6	756.2	742.8	738.6	732.1	709.9	734.5	725.7	732.6
12.5°	963.5	959.4	913.6	884.4	887.2	895.0	854.3	832.1	800.2	850.2	832.1
15°	1076.9	1095.0	1049.2	995.9	969.6	983.0	952.0	919.6	890.9	906.2	886.7
17.5°	1221.8	1221.3	1132.0	1075.1	1072.8	1071.8	1026.0	954.7	989.0	978.4	979.3
20°	1298.6	1286.1	1175.0	1109.3	1165.3	1145.4	1104.2	1012.6	1052.4	1065.4	1073.7
22.5°	1362.9	1356.0	1221.3	1173.2	1209.3	1209.7	1168.6	1120.4	1115.3	1155.6	1133.8
25°	1407.8	1435.6	1308.8	1297.2	1313.0	1297.2	1257.0	1225.5	1205.1	1265.3	1205.1
27.5°	1514.3	1474.9	1322.2	1387.9	1397.6	1318.5	1368.9	1331.9	1275.5	1350.0	1374.5
30°	1590.2	1613.3	1416.6	1515.7	1504.1	1431.0	1451.8	1450.4	1382.8	1528.2	1511.0
32.5°	1720.7	1692.9	1570.7	1562.9	1590.6	1587.4	1552.2	1569.3	1586.0	1691.5	1717.0
35°	1854.4	1884.0	1669.3	1722.5	1714.7	1664.7	1756.8	1746.1	1795.6	2012.2	1940.5
37.5°	2156.2	2015.0	1890.5	1883.6	1936.3	1944.2	1914.6	1961.3	2068.2	2234.8	2311.7
40°	2353.8	2289.5	2078.0	2086.3	2013.2	2139.0	2055.7	2206.1	2287.6	2568.5	2541.2
42.5°	2652.7	2495.9	2292.7	2320.5	2305.6	2245.0	2354.7	2432.0	2548.6	2762.9	2901.3
45°	2875.3	2660.1	2563.9	2546.8	2544.9	2650.4	2636.5	2760.1	2801.8	2962.8	3077.6
47.5°	3044.3	2861.5	2718.9	2738.4	2681.9	2983.2	2822.6	2861.0	2945.2	3097.0	3230.8
50°	3244.7	3041.0	2879.1	2927.2	3064.6	3180.3	3035.0	2969.3	3010.5	3189.6	3338.6
52.5°	3430.2	3216.0	3037.8	3078.1	3302.5	3249.8	3234.0	3067.9	3062.8	3206.7	3376.1
55°	3647.3	3405.7	3248.4	3376.1	3455.7	3390.4	3365.5	3163.2	3038.3	3118.3	3278.0
57.5°	3860.2	3593.6	3437.2	3463.6	3564.5	3499.7	3312.2	3000.8	2844.8	2860.5	3022.1
60°	4059.6	3766.2	3637.1	3611.7	3692.2	3438.1	3110.0	2703.2	2496.3	2458.4	2598.1
62.5°	4230.4	3910.6	3788.4	3719.0	3795.9	3440.4	2794.8	2225.6	1998.4	1869.7	1978.5
65°	4366.0	4030.5	3943.5	3907.4	3935.2	3231.2	2303.8	1634.1	1355.5	1213.0	1276.4
67.5°	4456.3	4097.6	4057.8	4105.0	3734.8	2691.2	1706.8	1045.9	788.1	710.4	750.2
70°	4549.7	4156.8	4155.4	3994.9	3166.9	1855.3	996.9	603.0	458.6	428.5	453.5
72.5°	4518.3	4086.5	4107.3	3493.6	2194.6	991.8	526.2	341.1	310.5	321.2	343.4
75°	4184.1	3715.3	3614.9	2511.6	1244.9	460.9	303.1	258.2	256.4	272.6	294.3
77.5°	3035.0	2587.5	2321.8	1423.6	533.6	249.4	223.1	215.7	215.7	228.6	248.1
80°	1000.6	865.9	902.5	550.7	252.2	172.2	174.0	177.3	176.3	179.6	195.8
82.5°	164.3	170.3	263.3	224.9	152.3	117.6	131.4	137.9	139.8	125.0	142.1
85°	58.3	65.7	112.0	104.1	87.9	59.2	86.5	96.7	95.3	83.3	92.1
87.5°	18.0	23.1	40.7	31.5	26.4	16.2	32.4	37.9	47.7	19.4	17.6
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)