

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: P543125

Luminaire Tested: **TT-D6-830-U-T4-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-277-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D6-830-U-T4-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND DRIVE LANE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8771 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

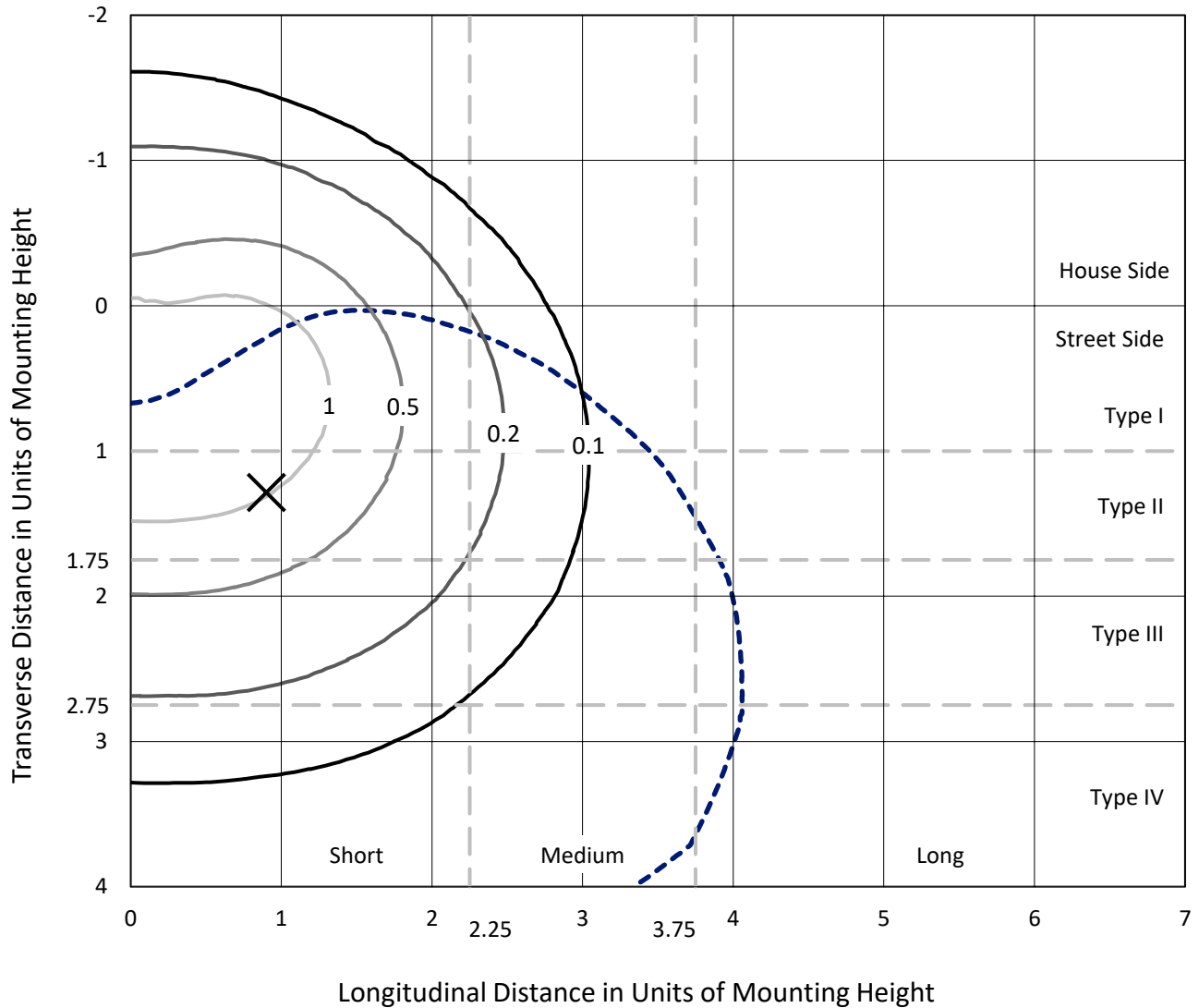
Input Watts (W): 97.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

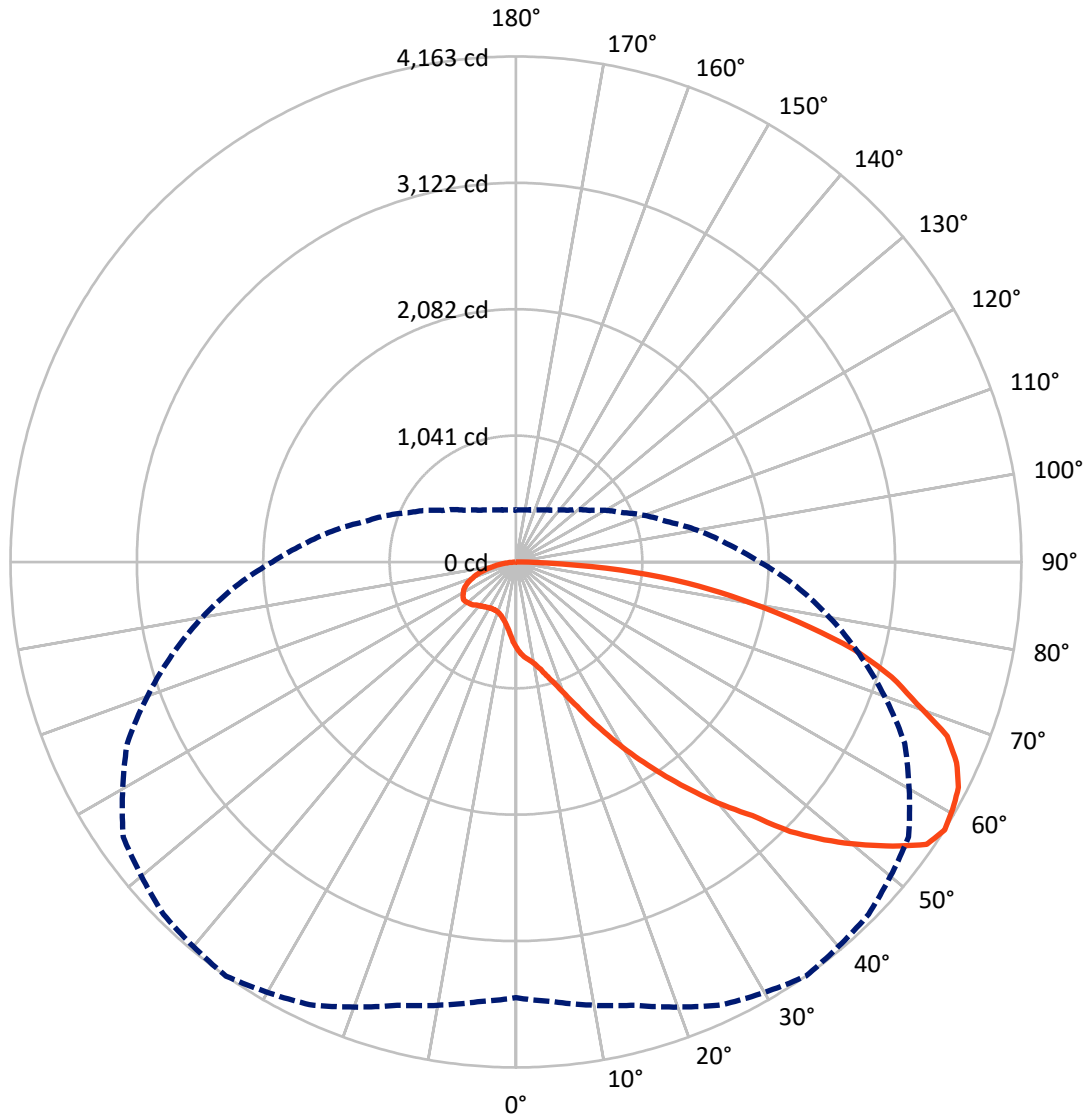
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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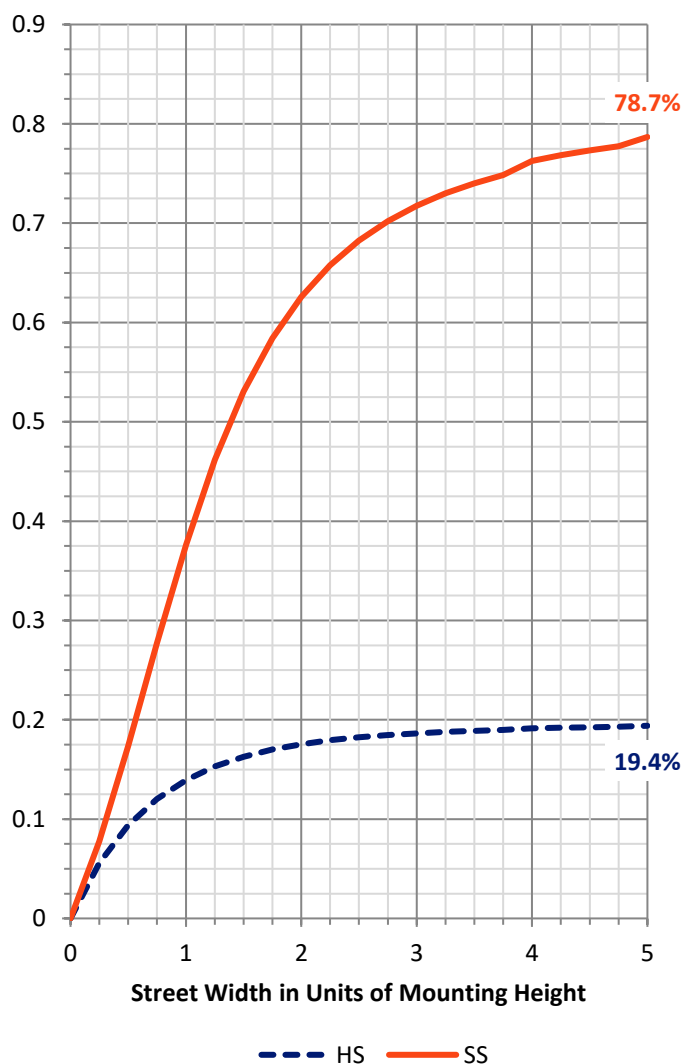
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.6	0.0	1717.6
	% Fixture	19.6	0.0	19.6
Street Side	Lumens	7053.4	0.0	7053.4
	% Fixture	80.4	0.0	80.4
Total	Lumens	8771.0	0.0	8771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	0.7
10°-20°	206.9	2.4
20°-30°	437.6	5.0
30°-40°	819.9	9.3
40°-50°	1364.6	15.6
50°-60°	1925.9	22.0
60°-70°	2026.2	23.1
70°-80°	1484.4	16.9
80°-90°	439.8	5.0
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°	8771.0	100.0
0°-180°	8771.0	100.0

Coefficient of Utilization

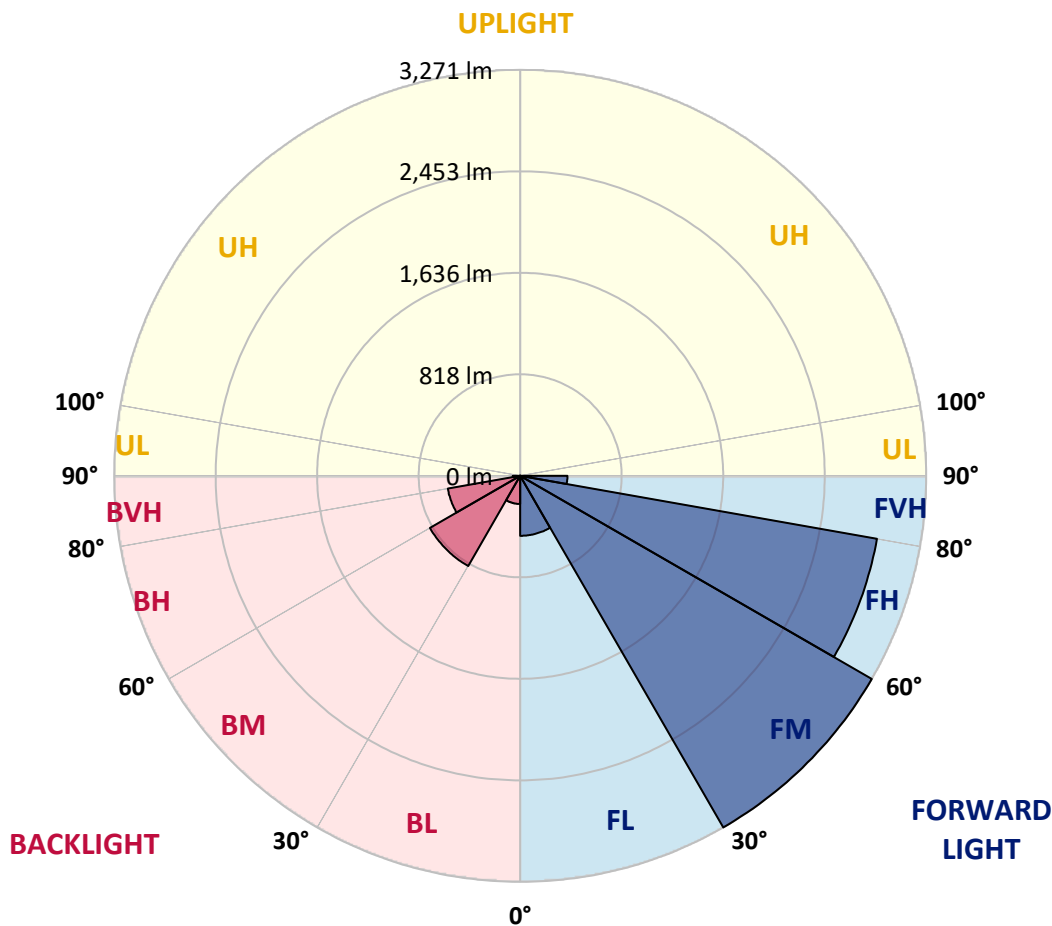


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.2	5.5			
FM (30°-60°)	3271.1	37.3			
FH (60°-80°)	2918.6	33.3			G2/5000
FVH (80°-90°)	380.5	4.3			G3/500
BL (0°-30°)	226.9	2.6	B1/500		
BM (30°-60°)	839.3	9.6	B1/1000		
BH (60°-80°)	592.0	6.7	B2/1000		G2/1000
BVH (80°-90°)	59.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	770.7	766.9	763.6	758.2	754.4	753.4	746.3	737.7	725.7	715.4	710.0
5°	811.3	810.8	809.1	802.6	790.7	773.9	758.2	740.4	720.9	701.4	692.2
7.5°	849.8	846.0	843.8	834.6	817.3	798.9	775.0	748.5	720.3	692.7	678.6
10°	898.0	892.5	888.8	870.9	853.0	827.0	795.6	761.5	727.9	693.2	676.5
12.5°	959.7	955.4	939.7	931.0	908.3	878.5	838.9	797.8	754.4	710.0	688.4
15°	1025.8	1026.9	1020.9	998.7	980.3	944.5	902.3	850.8	792.4	738.7	711.7
17.5°	1114.1	1112.4	1101.1	1086.4	1058.3	1022.0	970.0	915.3	847.1	776.6	745.8
20°	1218.0	1212.6	1202.3	1182.3	1165.5	1122.7	1063.7	995.5	914.2	830.8	789.1
22.5°	1350.2	1338.3	1331.8	1313.9	1293.3	1253.3	1190.4	1100.0	1004.7	901.2	847.6
25°	1479.6	1486.1	1482.9	1472.6	1446.6	1397.3	1330.7	1231.0	1100.5	979.7	919.1
27.5°	1642.1	1644.8	1645.9	1641.6	1616.1	1571.2	1503.5	1371.9	1226.2	1076.2	996.0
30°	1811.1	1805.1	1812.7	1814.9	1802.4	1750.4	1667.6	1523.5	1349.1	1169.8	1079.9
32.5°	1979.0	1985.5	2001.2	1991.4	1993.6	1934.6	1844.1	1674.6	1480.2	1269.0	1174.2
35°	2159.9	2168.5	2179.4	2197.8	2196.7	2149.6	2019.1	1849.0	1622.1	1383.2	1260.3
37.5°	2345.1	2342.9	2359.2	2401.4	2409.6	2364.6	2228.1	2032.1	1771.0	1498.6	1361.6
40°	2520.6	2540.6	2572.0	2600.7	2635.4	2571.5	2438.8	2216.8	1933.0	1618.3	1456.9
42.5°	2725.3	2733.4	2780.0	2844.5	2853.7	2804.4	2659.8	2429.6	2093.8	1732.0	1560.9
45°	2942.5	2953.3	2997.2	3090.3	3165.6	3133.7	2937.6	2664.1	2293.1	1886.9	1675.7
47.5°	3129.9	3161.8	3232.2	3340.0	3420.2	3403.4	3215.5	2894.3	2483.8	2016.9	1786.7
50°	3296.7	3335.1	3431.0	3586.4	3657.9	3635.7	3452.7	3121.8	2622.9	2129.6	1867.4
52.5°	3465.7	3519.3	3607.0	3777.1	3888.7	3897.3	3693.1	3295.6	2784.3	2247.6	1955.7
55°	3557.2	3596.2	3743.0	3949.3	4106.9	4111.3	3880.5	3458.6	2895.9	2299.6	1997.4
57.5°	3589.2	3636.3	3779.3	4023.5	4163.2	4105.3	3948.2	3532.3	2927.3	2318.6	2006.1
60°	3544.7	3591.9	3754.9	4015.4	4133.5	4161.6	3918.4	3531.7	2911.6	2294.2	1979.5
62.5°	3481.4	3541.5	3699.6	3953.6	4090.1	4105.8	3880.0	3491.7	2888.3	2252.5	1940.5
65°	3320.5	3356.8	3588.1	3777.6	3988.3	3969.4	3791.7	3351.9	2806.0	2144.7	1845.2
67.5°	3160.2	3198.1	3368.2	3628.1	3832.3	3811.7	3636.8	3216.5	2647.9	2044.5	1745.6
70°	2890.0	2914.3	3148.8	3350.9	3503.6	3579.4	3353.6	2990.7	2482.1	1876.6	1593.9
72.5°	2604.0	2642.4	2810.3	3063.8	3236.6	3212.2	3099.0	2712.9	2211.9	1681.7	1436.9
75°	2238.4	2275.2	2461.0	2705.8	2873.7	2854.2	2725.3	2382.5	1966.0	1455.3	1244.0
77.5°	1892.9	1881.5	2045.6	2231.4	2384.1	2429.1	2283.9	2014.7	1621.5	1195.8	1012.8
80°	1454.2	1497.5	1600.4	1773.2	1888.5	1914.0	1801.9	1594.5	1295.5	935.9	776.6
82.5°	1024.2	1046.9	1172.6	1281.4	1426.0	1416.8	1339.4	1157.9	940.8	657.0	535.1
85°	558.9	563.8	677.5	753.9	865.5	879.0	824.3	700.3	538.3	373.7	275.7
87.5°	98.0	96.4	139.7	204.7	260.0	279.5	232.3	182.0	73.7	43.9	22.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9	707.9
2.5°	704.1	693.2	683.0	673.2	664.0	656.4	653.2	650.5	649.9	645.0
5°	680.8	663.5	644.5	627.2	611.5	594.7	581.1	576.8	576.3	579.0
7.5°	665.6	639.1	613.1	592.5	569.2	547.0	527.0	514.5	511.3	510.2
10°	660.2	627.7	596.3	564.9	538.9	511.8	487.4	472.3	463.6	461.4
12.5°	667.2	626.1	587.1	550.3	515.1	485.3	457.6	438.7	428.9	425.7
15°	686.2	633.1	583.8	539.4	501.0	463.6	436.5	412.2	400.8	399.2
17.5°	711.1	648.8	586.0	534.0	488.5	449.0	417.6	392.1	378.0	375.9
20°	746.9	668.9	596.3	534.6	483.1	438.7	403.5	376.4	361.2	359.6
22.5°	797.2	700.8	613.1	541.6	483.1	432.7	394.8	366.7	351.0	349.3
25°	854.6	737.7	635.8	551.3	484.7	431.7	389.9	360.2	344.5	342.8
27.5°	920.7	782.6	660.2	563.8	490.7	432.7	388.3	358.5	343.4	341.2
30°	994.9	827.0	686.7	577.3	498.3	434.9	388.9	358.0	343.4	341.2
32.5°	1069.1	875.8	716.5	595.2	506.9	440.9	392.1	361.8	346.6	345.0
35°	1147.1	929.4	749.6	613.6	519.4	449.0	397.5	366.1	351.0	349.3
37.5°	1227.8	983.5	783.7	636.4	532.4	457.1	405.1	373.7	359.1	357.5
40°	1311.7	1039.3	820.0	659.7	544.8	467.9	414.3	383.4	368.3	366.7
42.5°	1384.3	1089.7	853.6	679.7	561.1	478.2	426.2	393.7	379.7	378.0
45°	1486.7	1147.1	888.2	704.6	580.6	496.6	440.3	410.0	397.0	393.7
47.5°	1572.3	1205.6	923.4	728.4	596.8	509.1	453.9	423.0	409.4	407.3
50°	1642.1	1242.4	951.0	740.9	605.5	517.2	464.7	433.3	421.4	417.6
52.5°	1715.8	1284.1	965.7	755.5	619.6	528.6	472.3	445.2	432.2	428.4
55°	1739.6	1286.3	976.5	758.2	617.4	531.3	477.1	445.7	435.4	431.7
57.5°	1741.2	1285.7	961.9	739.8	602.3	519.4	472.3	442.5	430.6	427.3
60°	1710.9	1253.8	932.6	717.6	586.0	502.6	458.7	430.0	420.8	417.6
62.5°	1673.0	1224.5	896.3	687.3	562.7	485.8	443.0	420.8	408.4	404.6
65°	1577.1	1147.6	841.1	646.1	529.1	460.4	418.1	396.4	386.7	384.0
67.5°	1492.1	1065.3	785.9	603.3	491.2	428.9	390.5	371.5	364.0	362.3
70°	1354.0	976.0	700.3	536.7	442.5	382.4	353.7	339.6	330.4	327.1
72.5°	1213.7	856.8	617.4	472.8	383.4	343.9	315.2	300.0	295.2	292.5
75°	1030.7	720.3	520.5	400.8	329.3	287.6	267.5	256.2	250.2	249.7
77.5°	843.3	576.8	419.2	317.4	260.5	231.8	217.7	206.9	205.8	208.0
80°	646.1	435.4	311.4	237.8	192.8	174.9	167.4	160.3	159.2	157.6
82.5°	429.5	288.7	197.1	150.6	129.4	119.2	117.0	112.1	111.0	109.9
85°	209.6	138.6	95.3	74.7	68.8	63.9	63.4	65.5	65.0	63.4
87.5°	21.7	17.9	17.3	13.5	12.5	11.4	11.4	10.3	12.5	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)